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SOAP Web Services Guide

Legal Information

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Introduction

FlexNet Operations supports the integration of software license delivery into the business operations of software producers. Much of its functionality is exposed as Web services to facilitate its integration with software producer back office systems.

FlexNet Operations Web services are accessed using a document-style SOAP mechanism from client applications that you write. SOAP is an XML-based protocol that supports information exchange using HTTP and has implementations in many programming languages. Because each Web service is a document-style SOAP service, its parameters are sent in a specific XML format. This format is defined in a service-specific XML Schema document and a WSDL file. A language-specific client implementation (for example, C, C++, Java, Visual Studio .NET, Perl) of each interface can be generated from its WSDL file.

A WSDL file defines the interface to each web service. The custom data types and XML Schema elements specific to each interface are defined in one or more companion XML Schema documents. The files containing these interface definitions are located in the FlexNet Operations installation.

Sources

Name	Description
ProductPackagingService	Web service to create, update, delete, count and query various product packaging definitions.
EntitlementOrderService	Web service to create, update, delete, count and query entitlements.
LicenseService	Web service to create, rehost, repair, return, query of license activations.
UserOrgHierarchyService	Web service to create, update and query organizational hierarchies as well as to create, update or delete users and user roles in an organization.
UserAdministration	Web service to manage users.
OrganizationAdministration	Web service to manage organizations.
FlexnetAuthentication	Web service to manage Flexnet authentication.
ManageDeviceService	Web service to manage devices.
DownloadPackagingService	The Download Packaging Web Service is an add-on to the FlexNet Operations entitlement management system.
UsageService	Web service to retrieve real-time, reconciled usage data for an organization.
EsdWebService	The Electronic Software Delivery Web Service has been replaced with the Download Packaging Service, and Flexera Software suggests that existing implementations be migrated to the newer service. Please contact Support if you have an Electronic Software Delivery implementation and you require documentation.
Appendix-A	Web Service Data Types with Choices
Appendix-B	License Model Attributes
Appendix-C	ClientSecurityCredentials Class Source
Appendix-D	Error Codes
Appendix-E	Supported Hostid Types

ProductPackagingService Web Service

Description

Web service to create, update, delete, count and query various product packaging definitions.

Introduction

Information about the products you develop and sell may be stored in an Enterprise Resource Planning (ERP) or Customer Relationship Management (CRM) system. The Product Web service facilitates the integration of your ERP or CRM system with FlexNet Operations. It can be used to import product definitions and to import part numbers that can be associated with products you create through the FlexNet Operations user interface or Product Packaging Service.

Methods: ProductPackagingService

Methods

Name	Description
assignProductCategoriesToOrg	The **assignProductCategoriesToOrg** operation assigns a product category to a publisher organization.
assignProductCategoriesToUser	The **assignProductCategoriesToUser** operation assigns a product category to a user.
createFeature	The **createFeature** operation adds one or more features.
createFeatureBundle	The **createFeatureBundle** operation adds one or more feature bundles. To use the **createFeatureBundle** operation to create a feature bundle, there must be existing draft or deployed features in the FlexNet Operations database.
createMaintenance	The **createMaintenance** operation adds one or more maintenance products. To use the **createMaintenance** operation to create a maintenance product: • If part numbers are to be mapped to maintenance products, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations UI.
createOrganization	The **createOrganization** operation adds one or more organizations. ***Note:*** *The **createOrganization** operation in ProductPackagingService is deprecated. Use the **createOrganization** operation in UserOrgHierarchyService instead.*
createPartNumber	The **createPartNumber** operation adds one or more part numbers, either asynchronously or synchronously. By default, part number creation is asynchronous. To use the Product Packaging Service to load unassigned part numbers asynchronously, the **Importing Part Numbers** alert must be configured. See the *FlexNet Operations Online Help* for instructions. Before checking whether the part numbers were really added, wait until after the import has triggered. With synchronous processing, the Web services client will be blocked until the request is completely processed. Therefore, use synchronous processing to load only for small numbers of part numbers at a time. The **Importing Part Numbers** alert does not have to be configured to load unassigned part numbers synchronously.

Methods

Name	Description
createProduct	The **createProduct** operation adds one or more products. To use the createProduct operation to create a product: • There must be existing draft or deployed features and/or feature bundles in the FlexNet Operations database. • There must be at least one existing draft or deployed license technology in the FlexNet Operations database. • If specifying the FlexNet Licensing technology, there must be one or more existing license generator configurations in the FlexNet Operations database. • There must be existing license models in the FlexNet Operations database. • If a product is to be licensed with a trusted license model, there must be existing transaction keys in the FlexNet Operations database. • If part numbers are to be mapped to products, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations user interface.
createProductCategory	The **createProductCategory** operation creates one or more product categories. To create a product category, provide a category name and, optionally, a description.
createProductRelationship	The **createProductRelationship** operation adds one or more relationships. To use the **createProductRelationship** operation to create a product relationship, there must be existing draft or deployed products that can be related to one another in the FlexNet Operations database.

Methods

Name	Description
createUniformSuite	The **createUniformSuite** operation adds one or more suites. To use the createUniformSuite operation to create a suite: • There must be existing draft or deployed products in the FlexNet Operations database. • There must be at least one existing draft or deployed license technology in the FlexNet Operations database. • If specifying the FlexNet Licensing technology, there must be one or more existing license generator configurations in the FlexNet Operations database. • There must be existing license models in the FlexNet Operations database. • If a suite is to be licensed with a trusted license model, there must be existing transaction keys in the FlexNet Operations database. • If part numbers are to be mapped to suites, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations UI.
deleteFeature	The **deleteFeature** operation deletes one or more features.
deleteFeatureBundle	The **deleteFeatureBundle** operation deletes one or more feature bundles.
deleteMaintenance	The **deleteMaintenance** operation deletes one or more maintenance products.
deletePartNumber	The **deletePartNumber** operation deletes one or more part numbers.
deleteProduct	The **deleteProduct** operation deletes one or more products.
deleteProductRelationship	The **deleteProductRelationship** operation deletes one or more relationships.
deleteUniformSuite	The **deleteUniformSuite** operation deletes one or more suites.
getFeatureBundleCount	The **getFeatureBundleCount** operation returns the number of feature bundles that match specified criteria.
getFeatureBundlesQuery	The **getFeatureBundlesQuery** operation returns the feature bundles that match specified criteria.
getFeatureCount	The **getFeatureCount** operation returns the number of features that match specified criteria.
getFeaturesQuery	The **getFeaturesQuery** operation returns the features that match specified criteria.
getLicenseModelIdentifiers	The **getLicenseModelIdentifiers** operation returns the license models that match specified criteria. Attributes of the license models that need to be set (for example, type of hostids, counts) are returned; any attributes that are not needed are ignored if set. To use it, there should be existing license models in the FlexNet Operations database.
getLicenseTechnologiesQuery	The **getLicenseTechnologiesQuery** operation returns the license technologies that match specified criteria.

Methods

Name	Description
getMaintenanceCount	The **getMaintenanceCount** operation returns the number of maintenance products that match specified criteria.
getMaintenanceQuery	The **getMaintenanceQuery** operation returns the maintenance products that match specified criteria.
getPartNumberCount	The **getPartNumberCount** operation returns the number of part numbers that match specified criteria.
getPartNumbersQuery	The **getPartNumbersQuery** operation returns the part numbers that match specified criteria.
getProductCategories	The **getProductCategories** operation returns all product categories.
getProductCount	The **getProductCount** operation returns the number of products that match specified criteria.
getProductRelationships	The **getProductRelationships** operation returns the relationships between a specified product and other products.
getProductsQuery	The **getProductsQuery** operation returns the products that match specified criteria.
getTransactionKeyIdentifiers	The **getTransactionKeyIdentifiers** operation returns the transaction keys that match specified criteria. To use it, there should be existing transaction keys in the FlexNet Operations database.
getUniformSuiteCount	The **getUniformSuiteCount** operation returns the number of suites that match specified criteria.
getUniformSuiteQuery	The **getUniformSuitesQuery** operation returns the suites that match specified criteria.
getUsersForProductCategory	The **getUsersForProductCategory** operation returns all users with the specified product category assigned.
removeProductCategoriesFromOrg	The **removeProductCategoriesFromOrg** operation deletes one or more product categories from a publisher organization.
removeProductCategoriesFromUser	The **removeProductCategoriesFromUser** operation deletes one or more product categories from a user.
setFeatureBundleState	The **setFeatureBundleState** operation sets the state of one or more feature bundles.
setFeatureState	The **setFeatureState** operation sets the state of one or more features.
setMaintenanceState	The **setMaintenanceState** operation sets the state of one or more maintenance products.
setProductState	The **setProductState** operation sets the state of one or more products.
setUniformSuiteState	The **setUniformSuiteState** operation sets the state of one or more suites.
updateFeature	The **updateFeature** operation modifies one or more elements of one or more features.
updateFeatureBundle	The **updateFeatureBundle** operation modifies one or more elements of one or more features bundles.
updateMaintenance	The **updateMaintenance** operation modifies one or more elements of one or more maintenance products.
updateProduct	The **updateProduct** operation modifies one or more elements of one or more products.

Methods

Name	Description
updateProductRelationship	The **updateProductRelationship** operation modifies one or more elements of one or more relationships.
updateUniformSuite	The **updateUniformSuite** operation modifies one or more elements of one or more suites.

Method: assignProductCategoriesToOrg

Description

The **assignProductCategoriesToOrg** operation assigns a product category to a publisher organization.

Parameters

Name	Type	Direction	Description
msgparameters	handleProductCategoryToOrgRequestType	Input	See handleProductCategoryToOrgRequestType.

Returns

A assignProductCategoriesToOrgResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Method: assignProductCategoriesToUser

Description

The **assignProductCategoriesToUser** operation assigns a product category to a user.

Parameters

Name	Type	Direction	Description
msgparameters	handleProductCategoriesToUserRequestType	Input	See handleProductCategoriesToUserRequestType.

Returns

A assignProductCategoriesToUserResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Method: createFeature

Description

The **createFeature** operation adds one or more features.

Parameters

Name	Type	Direction	Description
msgparameters	createFeatureRequestType	Input	See createFeatureRequestType.

Returns

A createFeatureResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the requestwere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureDataListType</td><td>Information about the features that were not added is listed in the failedData element. See failedFeatureDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureDataListType</td><td>Information about the features that were added is listed in the responseData element. See createdFeatureDataListType.</td></tr>
</table>

Method: createFeatureBundle

Description

The **createFeatureBundle** operation adds one or more feature bundles. To use the **createFeatureBundle** operation to create a feature bundle, there must be existing draft or deployed features in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	createFeatureBundleRequestType	Input	See createFeatureBundleRequestType.

Returns

A createFeatureBundleResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleDataListType</td><td>Information about the feature bundles that were not added is listed in the failedData element. See failedFeatureBundleDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureBundleDataListType</td><td>Information about the feature bundles that were added is listed in the responseData element. See createdFeatureBundleDataListType.</td></tr>
</table>

Method: createMaintenance

Description

The **createMaintenance** operation adds one or more maintenance products. To use the **createMaintenance** operation to create a maintenance product:

- If part numbers are to be mapped to maintenance products, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations UI.

Parameters

Name	Type	Direction	Description
msgparameters	createMaintenanceRequestType	Input	See createMaintenanceRequestType.

Returns

A createMaintenanceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Status Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All maintenance products in the request were processed. • PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The **getCount** and **getQuery** operations never retur PARTIAL_FAILURE. • FAILURE—None of the maintenance products in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedMaintenanceDataListType	Information about the maintenance products that were not added is listed in the **failedData** element. See failedMaintenanceDataListType.
responseData	createdMaintenanceDataListType	Information about the maintenance products that were added is listed in the **responseData** element. See createdMaintenanceDataListType.

Method: createOrganization

Description

The **createOrganization** operation adds one or more organizations.

Note: *The* ***createOrganization*** *operation in ProductPackagingService is deprecated. Use the* ***createOrganization*** *operation in UserOrgHierarchyService instead.*

Parameters

Name	Type	Direction	Description
msgparameters	createOrganizationRequestType	Input	See createOrganizationRequestType.

Returns

A createOrganizationResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All organizations in the request were processed. • PARTIAL_FAILURE—Some, but not all organizations in the request were processed. • FAILURE—None of the organizations in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	createdOrgDataListType	Information about the organizations that were added is listed in the **responseData** element. See createdOrgDataListType.
failedData	failedOrgDataListType	Information about the organizations that were not added is listed in the **failedData** element. See failedOrgDataListType.

Method: createPartNumber

Description

The **createPartNumber** operation adds one or more part numbers, either asynchronously or synchronously. By default, part number creation is asynchronous.

To use the Product Packaging Service to load unassigned part numbers asynchronously, the **Importing Part Numbers** alert must be configured. See the *FlexNet Operations Online Help* for instructions. Before checking whether the part numbers were really added, wait until after the import has triggered.

With synchronous processing, the Web services client will be blocked until the request is completely processed. Therefore, use synchronous processing to load only for small numbers of part numbers at a time. The **Importing Part Numbers** alert does not have to be configured to load unassigned part numbers synchronously.

Parameters

Name	Type	Direction	Description
msgparameters	createPartNumberRequestType	Input	See createPartNumberRequestType.

Returns

A createPartNumberResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
failedData	failedPartNumberDataListType	Information about the part numbers that were not added is listed in the **failedData** element. See failedPartNumberDataListType. Not populated for asynchronous requests.
responseData	createdPartNumberDataListType	Information about the part numbers that were added is listed in the **responseData** element. See createdPartNumberDataListType. Not populated for asynchronous requests.

Method: createProduct

Description

The **createProduct** operation adds one or more products. To use the createProduct operation to create a product:

- There must be existing draft or deployed features and/or feature bundles in the FlexNet Operations database.
- There must be at least one existing draft or deployed license technology in the FlexNet Operations database.
- If specifying the FlexNet Licensing technology, there must be one or more existing license generator configurations in the FlexNet Operations database.
- There must be existing license models in the FlexNet Operations database.
- If a product is to be licensed with a trusted license model, there must be existing transaction keys in the FlexNet Operations database.
- If part numbers are to be mapped to products, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations user interface.

Parameters

Name	Type	Direction	Description
msgparameters	createProductRequestType	Input	See createProductRequestType.

Returns

A createProductResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductDataListType</td><td>Information about the products that were not added is listed in the failedData element. See failedProductDataListType.</td></tr>
<tr><td>responseData</td><td>createdProductDataListType</td><td>Information about the products that were added is listed in the responseData element. See createdProductDataListType.</td></tr>
</table>

Method: createProductCategory

Description

The **createProductCategory** operation creates one or more product categories. To create a product category, provide a category name and, optionally, a description.

Parameters

Name	Type	Direction	Description
msgparameters	createProductCategoryRequestType	Input	See createProductCategoryRequestType.

Returns

A createProductCategoryResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductCategoryDataListType</td><td>Information about the categories that were not added is listed in the failedData element. See failedProductCategoryDataListType</td></tr>
<tr><td>responseData</td><td>createdProductCategoryDataListType</td><td>Information about the categories that were added is listed in the responseData element. See createdProductCategoryDataListType.</td></tr>
</table>

Method: createProductRelationship

Description

The **createProductRelationship** operation adds one or more relationships. To use the **createProductRelationship** operation to create a product relationship, there must be existing draft or deployed products that can be related to one another in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	createProductRelationshipRequestType	Input	See createProductRelationshipRequestType.

Returns

A createProductRelationshipResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusInfo</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>Information about the relationships that were not added is listed in the failedData element. See failedProductRelationshipDataListType.</td></tr>
</table>

Method: createUniformSuite

Description

The **createUniformSuite** operation adds one or more suites. To use the createUniformSuite operation to create a suite:

- There must be existing draft or deployed products in the FlexNet Operations database.
- There must be at least one existing draft or deployed license technology in the FlexNet Operations database.
- If specifying the FlexNet Licensing technology, there must be one or more existing license generator configurations in the FlexNet Operations database.
- There must be existing license models in the FlexNet Operations database.
- If a suite is to be licensed with a trusted license model, there must be existing transaction keys in the FlexNet Operations database.

Description

- If part numbers are to be mapped to suites, unassigned part numbers must already exist in the FlexNet Operations database. Part numbers can be imported through the Product Packaging Service or from an XML file through the FlexNet Operations UI.

Parameters

Name	Type	Direction	Description
msgparameters	createUniformSuiteRequestType	Input	See createUniformSuiteRequestType.

Returns

A createUniformSuiteResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteDataListType</td><td>Information about the suites that were not added is listed in the failedData element. See failedUniformSuiteDataListType.</td></tr>
<tr><td>responseData</td><td>createdUniformSuiteDataListType</td><td>Information about the suites that were added is listed in the responseData element. See createdUniformSuiteDataListType.</td></tr>
</table>

Method: deleteFeature

Description

The **deleteFeature** operation deletes one or more features.

Parameters

Name	Type	Direction	Description
msgparameters	deleteFeatureRequestType	Input	See deleteFeatureRequestType.

Returns

A deleteFeatureResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteFeatureDataListType	Information about the features that were not deleted is listed in the **failedData** element. See failedDeleteFeatureDataListType.

Method: deleteFeatureBundle

Description

The **deleteFeatureBundle** operation deletes one or more feature bundles.

Parameters

Name	Type	Direction	Description
msgparameters	deleteFeatureBundleRequestType	Input	See deleteFeatureBundleRequestType.

Returns

A deleteFeatureBundleResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All feature bundles in the request were processed. • PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the feature bundles in the request were processed.</td></tr><tr><td>**response**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteFeatureBundleDataListType	Information about the feature bundles that were not deleted is listed in the **failedData** element. See failedDeleteFeatureBundleDataListType.

Method: deleteMaintenance

Description

The **deleteMaintenance** operation deletes one or more maintenance products.

Parameters

Name	Type	Direction	Description
msgparameters	deleteMaintenanceRequestType	Input	See deleteMaintenanceRequestType.

Returns

A deleteMaintenanceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All maintenance products in the request were processed. • PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the maintenance products in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteMaintenanceDataListType	Information about the maintenance products that were not deleted is listed in the **failedData** element. See failedDeleteMaintenanceDataListType.

Method: deletePartNumber

Description

The **deletePartNumber** operation deletes one or more part numbers.

Parameters

Name	Type	Direction	Description
msgparameters	deletePartNumberRequestType	Input	See deletePartNumberRequestType.

Returns

A deletePartNumberResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
failedData	failedDeletePartNumberDataListType	Information about the part numbers that were not deleted is listed in the **failedData** element. See failedDeletePartNumberDataListType.

Method: deleteProduct

Description

The **deleteProduct** operation deletes one or more products.

Parameters

Name	Type	Direction	Description
msgparameters	deleteProductRequestType	Input	See deleteProductRequestType.

Returns

A deleteProductResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were rocessed.
PARTIAL_FAILURE—Some, but not all products n the request were processed. The getCount and getQuery operations never return ARTIAL_FAILURE.
FAILURE—None of the products in the request ere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteProductDataListType</td><td>Information about the products that were not deleted is listed in the failedData element. See failedDeleteProductDataListType.</td></tr>
</table>

Method: deleteProductRelationship

Description

The **deleteProductRelationship** operation deletes one or more relationships.

Parameters

Name	Type	Direction	Description
msgparameters	deleteProductRelationshipRequestType	Input	See deleteProductRelationshipRequestType.

Returns

A deleteProductRelationshipResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>Information about the relationships that were not deleted is listed in the failedData element. See failedProductRelationshipDataListType</td></tr>
</table>

Method: deleteUniformSuite

Description

The **deleteUniformSuite** operation deletes one or more suites.

Parameters

Name	Type	Direction	Description
msgparameters	deleteUniformSuiteRequestType	Input	See deleteUniformSuiteRequestType.

Returns

A deleteUniformSuiteResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteUniformSuiteDataListType</td><td>Information about the suites that were not deleted is listed in the failedData element. See failedDeleteUniformSuiteDataListType.</td></tr>
</table>

Method: getFeatureBundleCount

Description

The **getFeatureBundleCount** operation returns the number of feature bundles that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFeatureBundleCountRequestType	Input	See getFeatureBundleCountRequestType.

Returns

A getFeatureBundleCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getFeatureBundlesQuery

Description

The **getFeatureBundlesQuery** operation returns the feature bundles that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFeatureBundlesQueryRequestType	Input	See getFeatureBundlesQueryRequestType.

Returns

A getFeatureBundlesQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFeatureBundlesQueryResponseDataType</td><td>See getFeatureBundlesQueryResponseDataType.</td></tr>
</table>

Method: getFeatureCount

Description

The **getFeatureCount** operation returns the number of features that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFeatureCountRequestType	Input	See getFeatureCountRequestType.

Returns

A getFeatureCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Descripton</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getFeaturesQuery

Description

The **getFeaturesQuery** operation returns the features that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFeaturesQueryRequestType	Input	See getFeaturesQueryRequestType.

Returns

A getFeaturesQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFeaturesQueryResponseDataType</td><td>See getFeaturesQueryResponseDataType.</td></tr>
</table>

Method: getLicenseModelIdentifiers

Description

The **getLicenseModelIdentifiers** operation returns the license models that match specified criteria. Attributes of the license models that need to be set (for example, type of hostids, counts) are returned; any attributes that are not needed are ignored if set. To use it, there should be existing license models in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	getModelIdentifiersRequestType	Input	See getModelIdentifiersRequestType.

Returns

A getModelIdentifiersResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entities in the request were processed. • FAILURE—None of the entities in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	modelIdentifiersDataListType	See modelIdentifiersDataListType.

Method: getLicenseTechnologiesQuery

Description

The **getLicenseTechnologiesQuery** operation returns the license technologies that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getLicenseTechnologyQueryRequestType	Input	See getLicenseTechnologyQueryRequestType.

Returns

A getLicenseTechnologyQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All organizations in the request were processed.
PARTIAL_FAILURE—Some, but not all organizations in the request were processed.
FAILURE—None of the organizations in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>licenseTechnologyDataListType</td><td>Information about the license technologies that matched the query is listed in the responseData element. See licenseTechnologyDataListType.</td></tr>
</table>

Method: getMaintenanceCount

Description

The **getMaintenanceCount** operation returns the number of maintenance products that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getMaintenanceCountRequestType	Input	See getMaintenanceCountRequestType.

Returns

A getMaintenanceCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getMaintenanceQuery

Description

The **getMaintenanceQuery** operation returns the maintenance products that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getMaintenanceQueryRequestType	Input	See getMaintenanceQueryRequestType.

Returns

A getMaintenanceQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMaintenanceQueryResponseDataType</td><td>See getMaintenanceQueryResponseDataType.</td></tr>
</table>

Method: getPartNumberCount

Description

The **getPartNumberCount** operation returns the number of part numbers that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getPartNumberCountRequestType	Input	See getPartNumberCountRequestType.

Returns

A getPartNumberCountResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
responseData	partNumberCountDataType	Contains an integer **count** element. See partNumberCountDataType.

Method: getPartNumbersQuery

Description

The **getPartNumbersQuery** operation returns the part numbers that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getPartNumbersQueryRequestType	Input	See getPartNumbersQueryRequestType.

Returns

A getPartNumbersQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>partNumberDataListType</td><td>See partNumberDataListType.</td></tr>
</table>

Method: getProductCategories

Description

The **getProductCategories** operation returns all product categories.

Parameters

Name	Type	Direction	Description
msgparameters	getProductCategoriesRequestType	Input	See getProductCategoriesRequestType.

Returns

A getProductCategoriesResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getProductCategoriesResponseDataType</td><td>A getProductCategoriesResponse contains an array of responseData elements. See getProductCategoriesResponseDataType.</td></tr>
</table>

Method: getProductCount

Description

The **getProductCount** operation returns the number of products that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getProductCountRequestType	Input	See getProductCountRequestType.

Returns

A getProductCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All products in the request were processed. • PARTIAL_FAILURE—Some, but not all products in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the products in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getCountResponseDataType	Contains an integer **count** element. See getCountResponseDataType.

Method: getProductRelationships

Description

The **getProductRelationships** operation returns the relationships between a specified product and other products.

Parameters

Name	Type	Direction	Description
msgparameters	getProductRelationshipsRequestType	Input	See getProductRelationshipsRequestType.

Returns

A getProductRelationshipsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: SUCCESS—All relationships in the request were processed. PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE. FAILURE—None of the relationships in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
relationship	productRelationshipDataType	A **getProductRelationshipsResponse** contains an array of **relationship** elements. See productRelationshipDataType.

Method: getProductsQuery

Description

The **getProductsQuery** operation returns the products that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getProductsQueryRequestType	Input	See getProductsQueryRequestType.

Returns

A getProductsQueryResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All products in the request were processed. • PARTIAL_FAILURE—Some, but not all products in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the products in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getProductsQueryResponseDataType	See getProductsQueryResponseDataType.

Method: getTransactionKeyIdentifiers

Description

The **getTransactionKeyIdentifiers** operation returns the transaction keys that match specified criteria. To use it, there should be existing transaction keys in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	getTransactionKeyIdentifiersRequestType	Input	See getTransactionKeyIdentifiersRequestType.

Returns

A getTransactionKeyIdentifiersResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entities in the request were processed.
FAILURE—None of the entities in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>transactionKeyIdentifiersDataListType</td><td>See transactionKeysIdentifiersDataListType.</td></tr>
</table>

Method: getUniformSuiteCount

Description

The **getUniformSuiteCount** operation returns the number of suites that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getUniformSuiteCountRequestType	Input	See getUniformSuiteCountRequestType.

Returns

A getUniformSuiteCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getUniformSuiteQuery

Description

The **getUniformSuitesQuery** operation returns the suites that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getUniformSuitesQueryRequestType	Input	See getUniformSuitesQueryRequestType.

Returns

A getUniformSuitesQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getUniformSuitesQueryResponseDataType</td><td>See getUniformSuitesQueryResponseDataType.</td></tr>
</table>

Method: getUsersForProductCategory

Description

The **getUsersForProductCategory** operation returns all users with the specified product category assigned.

Parameters

Name	Type	Direction	Description
msgparameters	getUsersForProductCategoryRequestType	Input	See getUsersForProductCategoryRequestType.

Returns

A getUsersForProductCategoryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>userData</td><td>getUsersForProductCategoryResponseDataType</td><td>A geUsersForProductCategoryResponseDataType contains an array of userData elements. See geUsersForProductCategoryResponseDataType.</td></tr>
</table>

Method: removeProductCategoriesFromOrg

Description

The **removeProductCategoriesFromOrg** operation deletes one or more product categories from a publisher organization.

Parameters

Name	Type	Direction	Description
msgparameters	handleProductCategoryToOrgRequestType	Input	See handleProductCategoryToOrgRequestType.

Returns

A removeProductCategoriesFromOrgResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Method: removeProductCategoriesFromUser

Description

The **removeProductCategoriesFromUser** operation deletes one or more product categories from a user.

Parameters

Name	Type	Direction	Description
msgparameters	handleProductCategoriesToUserRequestType	Input	See handleProductCategoriesToUserRequestType.

Returns

A removeProductCategoriesFromUserResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All categories in the request were processed. • PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE. • FAILURE—None of the categories in the request were processed.
reason	string	Gives a reason for partial failure or failure.

Method: setFeatureBundleState

Description

The **setFeatureBundleState** operation sets the state of one or more feature bundles.

Parameters

Name	Type	Direction	Description
msgparameters	setFeatureBundleStateRequestType	Input	See setFeatureBundleStateRequestType.

Returns

A setFeatureBundleStateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleStateDataListType</td><td>Information about the feature bundles whose state was not set is listed in the failedData element. See failedFeatureBundleStateDataListType.</td></tr>
</table>

Method: setFeatureState

Description

The **setFeatureState** operation sets the state of one or more features.

Parameters

Name	Type	Direction	Description
msgparameters	setFeatureStateRequestType	Input	See setFeatureStateRequestType.

Returns

A setFeatureStateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureStateDataListType</td><td>Information about the features whose state was not set is listed in the failedData element. See failedFeatureStateDataListType.</td></tr>
</table>

Method: setMaintenanceState

Description

The **setMaintenanceState** operation sets the state of one or more maintenance products.

Parameters

Name	Type	Direction	Description
msgparameters	setMaintenanceStateRequestType	Input	See setMaintenanceStateRequestType.

Returns

A setMaintenanceStateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMaintenanceStateDataListType</td><td>Information about the maintenance products whose state was not set is listed in the failedData element. See failedMaintenanceStateDataListType.</td></tr>
</table>

Method: setProductState

Description

The **setProductState** operation sets the state of one or more products.

Parameters

Name	Type	Direction	Description
msgparameters	setProductStateRequestType	Input	See setProductStateRequestType.

Returns

A setProductStateResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductStateDataListType</td><td>Information about the products whose state was not set is listed in the failedData element. See failedProductStateDataListType.</td></tr>
</table>

Method: setUniformSuiteState

Description

The **setUniformSuiteState** operation sets the state of one or more suites.

Parameters

Name	Type	Direction	Description
msgparameters	setUniformSuiteStateRequestType	Input	See setUniformSuiteStateRequestType.

Returns

A setUniformSuiteStateResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteStateDataListType</td><td>Information about the suites whose state was not set is listed in the failedData element. See failedUniformSuiteStateDataListType.</td></tr>
</table>

Method: updateFeature

Description

The **updateFeature** operation modifies one or more elements of one or more features.

Parameters

Name	Type	Direction	Description
msgparameters	updateFeatureRequestType	Input	See updateFeatureRequestType.

Returns

A updateFeatureResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateFeatureDataListType</td><td>Contains one or more failedFeature elements. See failedUpdateFeatureDataListType.</td></tr>
</table>

Method: updateFeatureBundle

Description

The **updateFeatureBundle** operation modifies one or more elements of one or more features bundles.

Parameters

Name	Type	Direction	Description
msgparameters	updateFeatureBundleRequestType	Input	See updateFeatureBundleRequestType.

Returns

A updateFeatureBundleResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateFeatureBundleDataListType</td><td>Information about the feature bundles that were not modified is listed in the failedData element. See failedUpdateFeatureBundleDataListType.</td></tr>
</table>

Method: updateMaintenance

Description

The **updateMaintenance** operation modifies one or more elements of one or more maintenance products.

Parameters

Name	Type	Direction	Description
msgparameters	updateMaintenanceRequestType	Input	See updateMaintenanceRequestType.

Returns

A updateMaintenanceResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateMaintenanceDataListType</td><td>Information about the maintenance products that were not modified is listed in the failedData element. See failedUpdateMaintenanceDataListType.</td></tr>
</table>

Method: updateProduct

Description

The **updateProduct** operation modifies one or more elements of one or more products.

Parameters

Name	Type	Direction	Description
msgparameters	updateProductRequestType	Input	See updateProductRequestType.

Returns

A updateProductResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateProductDataListType</td><td>Information about the products that were not modified is listed in the failedData element. See failedUpdateProductDataListType.</td></tr>
</table>

Method: updateProductRelationship

Description

The **updateProductRelationship** operation modifies one or more elements of one or more relationships.

Parameters

Name	Type	Direction	Description
msgparameters	updateProductRelationshipRequestType	Input	See updateProductRelationshipRequestType.

Returns

A updateProductRelationshipResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All relationships in the request were processed. • PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE. • FAILURE—None of the relationships in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateProductRelationshipDataListType	Information about the relationships that were not modified is listed in the **failedData** element. See failedUpdateProductRelationshipDataListType.

Method: updateUniformSuite

Description

The **updateUniformSuite** operation modifies one or more elements of one or more suites.

Parameters

Name	Type	Direction	Description
msgparameters	updateUniformSuiteRequestType	Input	See updateUniformSuiteRequestType.

Returns

A updateUniformSuiteResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateUniformSuiteDataListType</td><td>Information about the suites that were not modified is listed in the failedData element. See failedUpdateUniformSuiteDataListType.</td></tr>
</table>

Complex Types: ProductPackagingService

Complex Types

Name
accountIdentifierType
accountPKType
addressDataType
attributeDescriptorDataType
attributeDescriptorType
attributeMetaDescriptorDataType
attributeMetaDescriptorType
categoryAttributeDataType
categoryAttributesDataType
correlationDataType
createdFeatureBundleDataListType
createdFeatureDataListType
createdFeatureDataType
createdMaintenaceDataType
createdMaintenanceDataListType
createdOrgDataListType
createdOrgDataType
createdPartNumberDataListType
createdPartNumberDataType
createdProductCategoryDataListType
createdProductCategoryDataType
createdProductDataListType
createdProductDataType
createdUniformSuiteDataListType
createdUniformSuiteDataType
createFeatureBundleDataType
createFeatureBundleRequestType
createFeatureBundleResponseType
createFeatureRequestType
createFeatureResponseType
createMaintenanceDataType
createMaintenanceRequestType
createMaintenanceResponseType
createOrganizationRequestType

Complex Types

Name
createOrganizationResponseType
createPartNumberDataType
createPartNumberRequestType
createPartNumberResponseType
createProductCategoryDataType
createProductCategoryRequestType
createProductCategoryResponseType
createProductDataType
createProductRelationshipRequestType
createProductRelationshipResponseType
createProductRequestType
createProductResponseType
createUniformSuiteDataType
createUniformSuiteRequestType
createUniformSuiteResponseType
customAttributeDescriptorDataType
customAttributeDescriptorType
customAttributeQueryType
customAttributesQueryListType
DateTimeQueryType
deleteFeatureBundleDataType
deleteFeatureBundleRequestType
deleteFeatureBundleResponseType
deleteFeatureDataType
deleteFeatureRequestType
deleteFeatureResponseType
deleteMaintenanceDataType
deleteMaintenanceRequestType
deleteMaintenanceResponseType
deletePartNumberDataType
deletePartNumberRequestType
deletePartNumberResponseType
deleteProductDataType
deleteProductRelationshipRequestType
deleteProductRelationshipResponseType

Complex Types

Name
deleteProductRequestType
deleteProductResponseType
deleteUniformSuiteDataType
deleteUniformSuiteRequestType
deleteUniformSuiteResponseType
dupGroupDataType
DurationType
emailContactListType
entitledProductDataListType
entitledProductDataType
entitlementIdentifierType
entitlementLineItemIdentifierType
failedDeleteFeatureBundleDataListType
failedDeleteFeatureBundleDataType
failedDeleteFeatureDataListType
failedDeleteFeatureDataType
failedDeleteMaintenanceDataListType
failedDeleteMaintenanceDataType
failedDeletePartNumberDataListType
failedDeletePartNumberDataType
failedDeleteProductDataListType
failedDeleteProductDataType
failedDeleteUniformSuiteDataListType
failedDeleteUniformSuiteDataType
failedFeatureBundleDataListType
failedFeatureBundleDataType
failedFeatureBundleStateDataListType
failedFeatureBundleStateDataType
failedFeatureDataListType
failedFeatureDataType
failedFeatureStateDataListType
failedFeatureStateDataType
failedMaintenanceDataListType
failedMaintenanceDataType
failedMaintenanceStateDataListType

Complex Types

Name
failedMaintenanceStateDataType
failedOrgDataListType
failedOrgDataType
failedPartNumberDataListType
failedPartNumberDataType
failedProductCategoryDataListType
failedProductCategoryDataType
failedProductDataListType
failedProductDataType
failedProductRelationshipDataListType
failedProductRelationshipDataType
failedProductStateDataListType
failedProductStateDataType
failedUniformSuiteDataListType
failedUniformSuiteDataType
failedUniformSuiteStateDataListType
failedUniformSuiteStateDataType
failedUpdateFeatureBundleDataListType
failedUpdateFeatureBundleDataType
failedUpdateFeatureDataListType
failedUpdateFeatureDataType
failedUpdateMaintenanceDataListType
failedUpdateMaintenanceDataType
failedUpdateProductDataListType
failedUpdateProductDataType
failedUpdateProductRelationshipDataListType
failedUpdateProductRelationshipDataType
failedUpdateUniformSuiteDataListType
failedUpdateUniformSuiteDataType
featureBundleIdentifierType
featureBundleIdentifierWithCountDataType
featureBundleQueryDataType
featureBundleQueryParametersType
featureBundlesListType
featureBundleStateDataType

Complex Types

Name
featureDataType
featureIdentifierType
featureIdentifierWithCountDataType
featureOverrideParamsType
featureQueryDataType
featureQueryParametersType
featuresListType
featureStateDataType
getFeatureBundleCountRequestType
getFeatureBundleCountResponseType
getFeatureBundlesQueryRequestType
getFeatureBundlesQueryResponseDataType
getFeatureBundlesQueryResponseType
getFeatureCountRequestType
getFeatureCountResponseType
getFeaturesQueryRequestType
getFeaturesQueryResponseDataType
getFeaturesQueryResponseType
getLicenseTechnologyQueryRequestType
getLicenseTechnologyQueryResponseType
getMaintenanceCountRequestType
getMaintenanceCountResponseType
getMaintenanceQueryRequestType
getMaintenanceQueryResponseDataType
getMaintenanceQueryResponseType
getModelIdentifiersRequestType
getModelIdentifiersResponseType
getPartNumberCountRequestType
getPartNumberCountResponseType
getPartNumbersQueryRequestType
getPartNumbersQueryResponseType
getProductCategoriesRequestType
getProductCategoriesResponseDataType
getProductCategoriesResponseType
getProductCountRequestType

Complex Types

Name
getProductCountResponseType
getProductRelationshipsRequestType
getProductRelationshipsResponseType
getProductsQueryRequestType
getProductsQueryResponseDataType
getProductsQueryResponseType
getTransactionKeyIdentifiersRequestType
getTransactionKeyIdentifiersResponseType
getUniformSuiteCountRequestType
getUniformSuiteCountResponseType
getUniformSuitesQueryRequestType
getUniformSuitesQueryResponseDataType
getUniformSuitesQueryResponseType
getUsersForProductCategoryRequestType
getUsersForProductCategoryResponseDataType
getUsersForProductCategoryResponseType
handleProductCategoriesToUserRequestType
handleProductCategoriesToUserResponseType
handleProductCategoryToOrgRequestType
handleProductCategoryToOrgResponseType
hostTypePKType
identifierQueryParametersType
licenseGeneratorIdentifierType
licenseGeneratorsDetailsType
licenseModelDetailsType
licenseModelIdentifierType
licenseModelPKType
licenseModelsListType
licenseTechnologyDataListType
licenseTechnologyDetailsType
licenseTechnologyIdentifierType
licenseTechnologyPKType
licenseTechnologyQueryParametersType
maintenanceIdentifierType
maintenancePKType

Complex Types

Name
maintenanceQueryDataType
maintenanceQueryParametersType
maintenanceStateDataType
modelAttributesType
modelIdentifiersDataListType
organizationBasicDataType
organizationIdentifierType
organizationPKType
OrgTypeList
packagePropertiesDataType
partNumberDataListType
partNumberDataType
partNumberIdentifierType
partNumberIdentifierWithModelType
partNumberPKType
partNumberQueryParametersType
partNumbersListType
partNumbersSimpleListType
prodCustomAttributeQueryType
prodCustomAttributesQueryListType
productCategoryDataType
productCategoryParametersType
productIdentifierType
productIdentifierWithCountDataType
productPKType
productQueryDataType
productQueryParametersType
productRelationshipDataType
productsListType
productStateDataType
roleIdentifierType
setFeatureBundleStateRequestType
setFeatureBundleStateResponseType
setFeatureStateRequestType
setFeatureStateResponseType

Complex Types

Name
setMaintenanceStateRequestType
setMaintenanceStateResponseType
setProductStateRequestType
setProductStateResponseType
setUniformSuiteStateRequestType
setUniformSuiteStateResponseType
suiteCustomAttributeQueryType
suiteCustomAttributesQueryListType
suiteIdentifierType
suitePKType
suiteQueryParametersType
transactionKeyIdentifiersDataListType
trustedKeyIdentifierType
trustedKeyPKType
uniformSuiteQueryDataType
uniformSuiteStateDataType
updateEntitledProductDataListType
updateFeatureBundleDataType
updateFeatureBundleRequestType
updateFeatureBundleResponseType
updateFeatureBundlesListType
updateFeatureDataType
updateFeatureRequestType
updateFeatureResponseType
updateFeaturesListType
updateHostTypeListType
updateLicenseModelsListType
updateMaintenanceDataType
updateMaintenanceRequestType
updateMaintenanceResponseType
updatePartNumbersListType
updatePartNumbersSimpleListType
updateProductDataType
updateProductRelationshipDataType
updateProductRelationshipRequestType

Complex Types

Name
updateProductRelationshipResponseType
updateProductRequestType
updateProductResponseType
updateProductsListType
updateUniformSuiteDataType
updateUniformSuiteRequestType
updateUniformSuiteResponseType
userIdentifierType
userPKType
versionDateAttributesType

Complex Type: accountIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	
primaryKeys	accountPKType	0..1	

Complex Type: accountPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
name	string	1..1	

Complex Type: addressDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
address1	string	0..1	First line of address.
address2	string	0..1	Second line of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.
country	string	0..1	Country, in two-letter ISO-3166 code. If not provided, defaults to US.
region	string	0..1	Address region.

Complex Type: attributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeDescriptorType	0..*	Contains a required string **attributeName** and one of the attributeDescripterType values.

Complex Type: attributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the attribute.
CHOICE		1..1	
arrayValue	string	0..*	Array of string values of the attribute.
booleanValue	boolean	0..1	Boolean value of the attribute.
dateValue	date	0..1	Date value of the attribute.
integerValue	integer	0..1	Integer value of the attribute.
stringValue	string	0..1	String value of the attribute.

Complex Type: attributeMetaDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeMetaDescriptorType	0..*	Contains one or more **attribute** elements.

Complex Type: attributeMetaDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the license model attribute.
attributeDataType	AttributeDataType	1..1	Returns one of the following: • TEXT • BOOLEAN • NUMBER • DATE • MULTI_VALUED_TEXT • LONGTEXT
namespace	string	1..1	Refers to the license technology on which the attribute is created.
validValues	valueType	0..1	**validValues** contains an array of **value** strings that represent valid values for a MULTI_VALUED_TEXT license model attribute.

Complex Type: categoryAttributeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the license model attribute.
isRequired	boolean	1..1	TRUE or FALSE

Content Model

Component	Type	Occurs	Description
dataType	AttributeDataType	1..1	Returns one of the following: • TEXT • BOOLEAN • NUMBER • DATE • MULTI_VALUED_TEXT • LONGTEXT
maxLength	string	0..1	Maximum length of the data type.
validValues	valueType	0..1	**validValues** contains an array of **value** strings that represent valid values for a MULTI_VALUED_TEXT license model attribute.

Complex Type: categoryAttributesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
categoryAttribute	categoryAttributeDataType	1..*	See categoryAttributeDataType.

Complex Type: correlationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the feature bundle in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the feature bundle.

Complex Type: createdFeatureBundleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdFeatureBundle	correlationDataType	0..*	**responseData** (see createFeatureBundleResponseType) contains one or more **createdFeatureBundle** elements. See correlationDataType.

Complex Type: createdFeatureDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdFeature	createdFeatureDataType	0..*	**responseData** (see createFeatureResponseType) contains one or more **createdFeature** elements. See createdFeatureDataType.

Complex Type: createdFeatureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the feature in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the feature.

Complex Type: createdMaintenaceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the maintenance product in the request, starting at 1 (string).
uniqueId	string	1..1	Unique database identifier of the maintenance product (string).

Complex Type: createdMaintenanceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
createdMaintenance	createdMaintenaceDataType	0..*	**responseData** contains one or more **createdMaintenance** elements. See createdMaintenanceDataType.

Complex Type: createdOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdOrganization	createdOrgDataType	0..*	**responseData** contains one or more **createdOrganization** elements. See createdOrgDataType.

Complex Type: createdOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the organization in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the organization.

Complex Type: createdPartNumberDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdPartNumber	createdPartNumberDataType	0..*	**responseData** contains one or more **createdPartNumber** elements. See createdPartNumberDataType.

Complex Type: createdPartNumberDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the part number in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the part number.

Complex Type: createdProductCategoryDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdProductCatgory	createdProductCategoryDataType	0..*	**responseData** contains one or more **createdProductCategory** elements. See createdProductCategoryDataType.

Complex Type: createdProductCategoryDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the product category in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier for the product category.

Complex Type: createdProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdProduct	createdProductDataType	0..*	**responseData** contains one or more **createdProduct** elements. See createdProductDataType.

Complex Type: createdProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the product in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the product.

Complex Type: createdUniformSuiteDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdUniformSuite	createdUniformSuiteDataType	0..*	**responseData** contains one or more **createdUniformSuite** elements. See createdUniformSuiteDataType.

Complex Type: createdUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the suite in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the suite.

Complex Type: createFeatureBundleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
name	string	1..1	Required. Name of a feature bundle.
description	string	0..1	Optional. Describe what makes this feature bundle unique.
features	featuresListType	1..1	Required. See featuresListType.

Complex Type: createFeatureBundleRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	createFeatureBundleDataType	1..*	Required. A **createFeatureBundleRequest** contains an array of **featureBundle** elements to be added. See createFeatureBundleDataType.

Referenced By

Name	Type
createFeatureBundleRequest	Element
createFeatureBundle	Method

Complex Type: createFeatureBundleResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were not added is listed in the failedData element. See failedFeatureBundleDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were added is listed in the responseData element. See createdFeatureBundleDataListType.</td></tr>
</table>

Referenced By

Name	Type
createFeatureBundleResponse	Element

Complex Type: createFeatureRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureDataType	1..*	Required. A **createFeatureRequest** contains an array of **feature** elements to be added. See featureDataType.

Referenced By

Name	Type
createFeatureRequest	Element
createFeature	Method

Complex Type: createFeatureResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the requestwere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureDataListType</td><td>0..1</td><td>Information about the features that were not added is listed in the failedData element. See failedFeatureDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureDataListType</td><td>0..1</td><td>Information about the features that were added is listed in the responseData element. See createdFeatureDataListType.</td></tr>
</table>

Referenced By

Name	Type
createFeatureResponse	Element

Complex Type: createMaintenanceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceName	string	1..1	Required. Name of maintenance product.
version	string	0..1	Required at deployment. Version of maintenance product.
description	string	0..1	Optional. Describe what makes this maintenance product unique.
allowUpgrades	boolean	0..1	Are upgrades allowed for this maintenance?
allowUpsells	boolean	0..1	Are upsells allowed for this maintenance?
allowRenewals	boolean	0..1	Are renewals allowed for this maintenance?
partNumbers	partNumbersSimpleListType	0..1	Optional. Specify if one or more part numbers are mapped to the product. See partNumbersSimpleListType.

Complex Type: createMaintenanceRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	createMaintenanceDataType	1..*	Required. A **createMaintenanceRequest** contains an array of **maintenance** elements to be added. See createMaintenanceDataType.

Referenced By

Name	Type
createMaintenanceRequest	Element
createMaintenance	Method

Complex Type: createMaintenanceResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Status Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never retur PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not added is listed in the failedData element. See failedMaintenanceDataListType.</td></tr>
<tr><td>responseData</td><td>createdMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were added is listed in the responseData element. See createdMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
createMaintenanceResponse	Element

Complex Type: createOrganizationRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationBasicDataType	1..*	Required. A **createOrganizationRequest** contains an array of **organization** elements to be added. See organizationBasicDataType.

Referenced By

Name	Type
createOrganizationRequest	Element
createOrganization	Method

Complex Type: createOrganizationResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All organizations in the request were processed.
PARTIAL_FAILURE—Some, but not all organizations in the request were processed.
FAILURE—None of the organizations in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createdOrgDataListType</td><td>0..1</td><td>Information about the organizations that were added is listed in the responseData element. See createdOrgDataListType.</td></tr>
<tr><td>failedData</td><td>failedOrgDataListType</td><td>0..1</td><td>Information about the organizations that were not added is listed in the failedData element. See failedOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
createOrganizationResponse	Element

Complex Type: createPartNumberDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partId	string	1..1	Required. Value of a part number.
description	string	0..1	Optional. Describe what makes this part number unique.

Complex Type: createPartNumberRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	createPartNumberDataType	1..*	Required. A **createPartNumberRequest** contains an array of **partNumber** elements to be added. See createPartNumberDataType.
processSync	boolean	0..1	Optional. Set to true to create part numbers synchronously, that is, the Web services client will be blocked until the request is completely processed. Use synchronous processing only for creating small numbers of part numbers at a time. By default, part number creation is asynchronous.

Referenced By

Name	Type
createPartNumberRequest	Element
createPartNumber	Method

Complex Type: createPartNumberResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedPartNumberDataListType	0..1	Information about the part numbers that were not added is listed in the **failedData** element. See failedPartNumberDataListType. Not populated for asynchronous requests.
responseData	createdPartNumberDataListType	0..1	Information about the part numbers that were added is listed in the **responseData** element. See createdPartNumberDataListType. Not populated for asynchronous requests.

Referenced By

Name	Type
createPartNumberResponse	Element

Complex Type: createProductCategoryDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Required. A name for the product category.
description	string	0..1	Optional. A description for the product category.

Complex Type: createProductCategoryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	createProductCategoryDataType	1..*	Required. A **createProductCategoryRequest** contains an array of **productCategory** elements to be added. See createProductCategoryDataType.

Referenced By

Name	Type
createProductCategoryRequest	Element
createProductCategory	Method

Complex Type: createProductCategoryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductCategoryDataListType</td><td>0..1</td><td>Information about the categories that were not added is listed in the failedData element. See failedProductCategoryDataListType</td></tr>
<tr><td>responseData</td><td>createdProductCategoryDataListType</td><td>0..1</td><td>Information about the categories that were added is listed in the responseData element. See createdProductCategoryDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProductCategoryResponse	Element

Complex Type: createProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productName	string	1..1	Required. Name of product.
version	string	0..1	Required at deployment. Version of product.
description	string	0..1	Optional. Describe what makes this product unique.
licenseTechnology	licenseTechnologyIdentifierType	0..1	Optional. If not specified, set to FlexNet Licensing. See licenseTechnologyIdentifierType.
licenseGenerator	licenseGeneratorIdentifierType	0..1	Optional. If only one license generator configuration exists for the specified license technology, that license generator configuration is set automatically. If multiple license generator configurations exist for the specified license technology, the license generator configuration must be set. See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	Optional, to be used if licenses are to be delivered using a PACKAGE line. See packagePropertiesDataType.
features	featuresListType	0..1	Required for deployment. Draft or deployed features or feature bundles must be added before deploying the product. See featuresListType.
featureBundles	featureBundlesListType	0..1	Required for deployment. Draft or deployed features or feature bundles must be added before deploying the product. See featureBundlesListType.
licenseModels	licenseModelsListType	0..1	Required for deployment. Deployed license models must be linked before deploying the product. See licenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	Optional. If one or more of the license models are trusted, the use of either trustedKey or virtualTrustedKey (or both) is required. Use trustedKey for default binding. Use virtualTrustedKey for virtualization-aware binding. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	Optional. If one or more of the license models are trusted, the use of either trustedKey or virtualTrustedKey (or both) is required. Use trustedKey for default binding. Use virtualTrustedKey for virtualization-aware binding. See trustedKeyIdentifierType.
partNumbers	partNumbersListType	0..1	Optional. Specify if one or more part numbers are mapped to the product. See partNumbersListType.

Content Model

Component	Type	Occurs	Description
hostType	hostTypePKType	0..1	If no hostType is set for a FlexNet product, the default certificate or trusted host host type is used. Required if a host type is defined on a custom license technology. See hostTypePKType.
hostTypes	hostTypeListType	0..1	A collection of one or more hostTypePKType elements. Use hostTypes to assign multiple hosts.
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology product that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a product is deployed. If it is changed from false to true, a hostType must be set
productCategory	string	0..1	Optional. Sets the product category for this product. If you do not set a category or if you set an empty or nonexistent category, FlexNet Operations automatically assigns the product to the default Uncategorized Products category without an error.
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfilment records.
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
startDate	date	0..1	Only used for automatic upgrade jobs, the **startDate** value defines the beginning of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor on bulk operations. **startDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.

Content Model

Component	Type	Occurs	Description
endDate	date	0..1	Only used for automatic upgrade jobs, the **endDate** value defines the ending of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor on bulk operations. **endDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.
upgradeEmailTemplateVarName	string	0..1	Only used for automatic upgrade jobs, the **upgradeEmailTemplateVarName** specifies the variation of the Product Upgrade Job Email template to use when FlexNet Operations automatically creates upgrade lines as a result of running the Product Version Upgrade job. (This value sets the template variation used for email messages sent to end users as a result of the Product Version Upgrade job.) • The **upgradeEmailTemplateVarName** value can be empty, **DEFAULT**, **None**, or the name of an active variation of the Product Upgrade Job Email template. • Empty (no value specified) and **DEFAULT** cause FlexNet Operations to use the default variation of the Product Upgrade Job Email template for automatic upgrades to this product. • **None** prevents FlexNet Operations from sending email messages for automatic upgrades to this product. • A specified variation name uses the named variation of the Product Upgrade Job Email template for automatic upgrades to this product. (Only active variations of the Product Upgrade Job Email template are available for use. Draft variations are not used.) **Note:** This attribute is available in ProductPackagingService v1 and later.

Complex Type: createProductRelationshipRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	productRelationshipDataType	1..*	Required. A createProductRelationshipRequest contains an array of relationship elements to be added. See productRelationshipDataType.

Referenced By

Name	Type
createProductRelationshipRequest	Element
createProductRelationship	Method

Complex Type: createProductRelationshipResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusInfo</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not added is listed in the failedData element. See failedProductRelationshipDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProductRelationshipResponse	Element

Complex Type: createProductRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	createProductDataType	1..*	Required. A createProductRequest contains an array of product elements to be added. See createProductDataType.

Referenced By

Name	Type
createProductRequest	Element
createProduct	Method

Complex Type: createProductResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductDataListType</td><td>0..1</td><td>Information about the products that were not added is listed in the failedData element. See failedProductDataListType.</td></tr>
<tr><td>responseData</td><td>createdProductDataListType</td><td>0..1</td><td>Information about the products that were added is listed in the responseData element. See createdProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProductResponse	Element

Complex Type: createUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suiteName	string	1..1	Required. Name of suite.
version	string	0..1	Required at deployment. Version of suite.
description	string	0..1	Optional. Describe what makes this suite unique.
licenseTechnology	licenseTechnologyIdentifierType	0..1	Optional. If not specified, set to FlexNet Licensing. See licenseTechnologyIdentifierType.
licenseGenerator	licenseGeneratorIdentifierType	0..1	Optional. If only one license generator configuration exists for the specified license technology, that license generator configuration is set automatically. If multiple license generator configurations exist for the specified license technology, the license generator configuration must be set. See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	Optional, if licenses are to be delivered using a PACKAGE line. See packagePropertiesDataType.
products	productsListType	0..1	Required for deployment. Draft or deployed products must be added before deploying the suite. See productsListType.
licenseModels	licenseModelsListType	0..1	Required for deployment. Deployed license models must be linked before deploying the suite. See licenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	Optional. If one or more of the license models are trusted, the use of either trustedKey or virtualTrustedKey (or both) is required. Use trustedKey for default binding. Use virtualTrustedKey for virtualization-aware binding. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	Optional. If one or more of the license models are trusted, the use of either trustedKey or virtualTrustedKey (or both) is required. Use trustedKey for default binding. Use virtualTrustedKey for virtualization-aware binding. See trustedKeyIdentifierType.
partNumbers	partNumbersListType	0..1	Optional. Specify if one or more part numbers are mapped to the suite. See partNumbersListType.
hostType	hostTypePKType	0..1	If no hostType is set for a FlexNet suite, the default certificate or trusted host host type is used. Required if a host type is defined on a custom license technology. See hostTypePKType.
hostTypes	hostTypeListType	0..1	A collection of one or more hostTypePKType elements. Use hostTypes to assign multiple hosts.

Content Model

Component	Type	Occurs	Description
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology suite that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a suite is deployed. If it is changed from false to true, a hostType must be set.
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfillment records.
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: createUniformSuiteRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	createUniformSuiteDataType	1..*	Required. A **createUniformSuiteRequest** contains an array of **uniformSuite** elements to be added. See createUniformSuiteDataType.

Referenced By

Name	Type
createUniformSuiteRequest	Element
createUniformSuite	Method

Complex Type: createUniformSuiteResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All suites in the request were processed.
• PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not added is listed in the failedData element. See failedUniformSuiteDataListType.</td></tr>
<tr><td>responseData</td><td>createdUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were added is listed in the responseData element. See createdUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
createUniformSuiteResponse	Element

Complex Type: customAttributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeDescriptorType	0..*	See customAttributeDescriptorType.

Complex Type: customAttributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the custom attribute.

Complex Type: customAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	The name of the custom attribute.
CHOICE		1..1	
booleanValue	boolean	0..1	Optional. Depending on the attribute type, set either stringValue or numberValue or booleanValue. Set to true or false if the custom attribute is of type boolean.

dateValue	DateQueryType	0..1	Optional. A dateValue element contains:
			• value—a date value to compare to the version date value.
			• searchType--which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON.

numberValue	NumberQueryType	0..1	Optional. Depending on the attribute type, set either stringValue or numberValue or booleanValue.
			A numberValue element contains:
			• value—an integer number to match part or all of the custom attribute value.
			• searchType—which is one of the following simpleSearchType values:
			  • GREATER_THAN
			  • GREATER_THAN_EQUALS
			  • LESS_THAN
			  • LESS_THAN_EQUALS
			  • EQUALS
			  • NOT_EQUALS

Content Model

Component	Type	Occurs	Description

stringValue	SimpleQueryType	0..1	Optional. Depending on the attribute type, set either stringValue or numberValue or booleanValue.
			A stringValue element contains:
			• value—a string to match part or all of the custom attribute value.
			• searchType—which is one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: customAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeQueryType	0..*	See customAttributeQueryType.

Complex Type: DateTimeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	dateTime	1..1	A date and time value to compare to another date and time value.
searchType	datedSearchType	1..1	One of the following datedSearchType values: • BEFORE • AFTER • ON

Complex Type: deleteFeatureBundleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..1	Required. See featureBundleIdentifierType.

Complex Type: deleteFeatureBundleRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	deleteFeatureBundleDataType	1..*	Required. A **deleteFeatureBundleRequest** contains an array of **featureBundle** elements to be deleted. See deleteFeatureBundleDataType.

Referenced By

Name	Type
deleteFeatureBundleRequest	Element
deleteFeatureBundle	Method

Complex Type: deleteFeatureBundleResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>response</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were not deleted is listed in the failedData element. See failedDeleteFeatureBundleDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteFeatureBundleResponse	Element

Complex Type: deleteFeatureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	Required. See featureIdentifierType.

Complex Type: deleteFeatureRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	deleteFeatureDataType	1..*	Required. A **deleteFeatureRequest** contains an array of feature elements to be deleted. See deleteFeatureDataType.

Referenced By

Name	Type
deleteFeatureRequest	Element
deleteFeature	Method

Complex Type: deleteFeatureResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteFeatureDataListType</td><td>0..1</td><td>Information about the features that were not deleted is listed in the failedData element. See failedDeleteFeatureDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteFeatureResponse	Element

Complex Type: deleteMaintenanceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceIdentifier	maintenanceIdentifierType	1..1	Required. See maintenanceIdentifierType.

Complex Type: deleteMaintenanceRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	deleteMaintenanceDataType	1..*	Required. A **deleteMaintenanceRequest** contains an array of maintenance elements to be deleted. See deleteMaintenanceDataType.

Referenced By

Name	Type
deleteMaintenanceRequest	Element
deleteMaintenance	Method

Complex Type: deleteMaintenanceResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not deleted is listed in the failedData element. See failedDeleteMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteMaintenanceResponse	Element

Complex Type: deletePartNumberDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumberIdentifier	partNumberIdentifierType	1..1	Required. See partNumberIdentifierType.

Complex Type: deletePartNumberRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	deletePartNumberDataType	1..*	Required. A **deletePartNumberRequest** contains an array of **partNumber** elements to be deleted. See deletePartNumberDataType.

Referenced By

Name	Type
deletePartNumberRequest	Element
deletePartNumber	Method

Complex Type: deletePartNumberResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeletePartNumberDataListType	0..1	Information about the part numbers that were not deleted is listed in the **failedData** element. See failedDeletePartNumberDataListType.

Referenced By

Name	Type
deletePartNumberResponse	Element

Complex Type: deleteProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.

Complex Type: deleteProductRelationshipRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	productRelationshipDataType	1..*	Required. A **deleteProductRelationshipRequest** contains an array of **relationship** elements to be deleted. See productRelationshipDataType.

Referenced By

Name	Type
deleteProductRelationshipRequest	Element
deleteProductRelationship	Method

Complex Type: deleteProductRelationshipResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not deleted is listed in the failedData element. See failedProductRelationshipDataListType</td></tr>
</table>

Referenced By

Name	Type
deleteProductRelationshipResponse	Element

Complex Type: deleteProductRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	deleteProductDataType	1..*	Required. A **deleteProductRequest** contains an array of product elements to be deleted. See deleteProductDataType.

Referenced By

Name	Type
deleteProductRequest	Element
deleteProduct	Method

Complex Type: deleteProductResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were rocessed.
PARTIAL_FAILURE—Some, but not all products n the request were processed. The getCount and getQuery operations never return ARTIAL_FAILURE .
FAILURE—None of the products in the request ere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteProductDataListType</td><td>0..1</td><td>Information about the products that were not deleted is listed in the failedData element. See failedDeleteProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteProductResponse	Element

Complex Type: deleteUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suiteIdentifier	suiteIdentifierType	1..1	Required. See suiteIdentifierType.

Complex Type: deleteUniformSuiteRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	deleteUniformSuiteDataType	1..*	Required. A **deleteUniformSuiteRequest** contains an array of **uniformSuite** elements to be deleted. See deleteUniformSuiteDataType.

Referenced By

Name	Type
deleteUniformSuiteRequest	Element
deleteUniformSuite	Method

Complex Type: deleteUniformSuiteResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not deleted is listed in the failedData element. See failedDeleteUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteUniformSuiteResponse	Element

Complex Type: dupGroupDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
dupGroupOption	DupGroupType	1..1	Specify if **dupGroup** element is specified. Specify one of the following: • NO_OVERRIDE • GROUPMASK • NONE
groupMask	groupMaskDataType	0..1	Specify if **dupGroupOption** is set to GROUPMASK. A **groupMask** element contains an array of **option** elements that each contains one of the following values: • USER • HOST • DISPLAY • VENDOR

Complex Type: DurationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
numDuration	integer	1..1	Required. Specify the number of units of time, for example, 10, for a duration of 10 durationUnit.

Content Model

Component	Type	Occurs	Description
durationUnit	DurationUnit	1..1	Required. Specify one of the following units of time: • DAYS • WEEKS • MONTHS • YEARS

Complex Type: emailContactListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
emailId	string	0..*	List of email addresses to which to send license certificate.

Complex Type: entitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitledProduct	entitledProductDataType	0..*	See entitledProductDataType.

Complex Type: entitledProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productIdentifierType	0..1	See productIdentifierType.
quantity	integer	1..1	Quantity per copy of the line item. This is a multiplier to the number of copies. If one copy of the line item is fulfilled, this many copies of the entitled product will be fulfilled.

Complex Type: entitlementIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the entitlement.
primaryKeys	entitlementPKType	0..1	Database primary key of the entitlement—string containing the entitlementId of the entitlement.

Complex Type: entitlementLineItemIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
uniqueId	string	0..1	Unique database identifier of the entitlement line item.
primaryKeys	entitlementLineItemPKType	0..1	Database primary key of the entitlement line item—string containing the **activationId** of the entitlement line item.

Complex Type: failedDeleteFeatureBundleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeatureBundle	failedDeleteFeatureBundleDataType	0..*	**failedData** (see deleteFeatureBundleResponseType) contains one or more **failedFeatureBundle** elements. See failedDeleteFeatureBundleDataType.

Complex Type: failedDeleteFeatureBundleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..1	See featureBundleIdentifierType.
reason	string	0..1	The reason the feature bundle was not deleted.

Complex Type: failedDeleteFeatureDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeature	failedDeleteFeatureDataType	0..*	**failedData** contains one or more failedFeature elements. See failedDeleteFeatureDataType.

Complex Type: failedDeleteFeatureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	See featureIdentifierType.
reason	string	0..1	The reason the feature was not deleted.

Complex Type: failedDeleteMaintenanceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedMaintenance	failedDeleteMaintenanceDataType	0..*	**failedData** contains one or more **failedMaintenance** elements. See failedDeleteMaintenanceDataType.

Complex Type: failedDeleteMaintenanceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceIdentifier	maintenanceIdentifierType	1..1	See maintenanceIdentifierType.
reason	string	0..1	The reason the maintenance product was not deleted.

Complex Type: failedDeletePartNumberDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedPartNumber	failedDeletePartNumberDataType	0..*	**failedData** contains one or more **failedPartNumber** elements. See failedDeletePartNumberDataType.

Complex Type: failedDeletePartNumberDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberIdentifierType	1..1	See partNumberIdentifierType.

Content Model

Component	Type	Occurs	Description
reason	string	1..1	The reason the part number was not deleted.

Complex Type: failedDeleteProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedProduct	failedDeleteProductDataType	0..*	**failedData** contains one or more **failedProduct** elements. See failedDeleteProductDataType.

Complex Type: failedDeleteProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	See productIdentifierType.
reason	string	0..1	The reason the product was not deleted.

Complex Type: failedDeleteUniformSuiteDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUniformSuite	failedDeleteUniformSuiteDataType	0..*	**failedData** contains one or more **failedUniformSuite** elements. See failedDeleteUniformSuiteDataType.

Complex Type: failedDeleteUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suiteIdentifier	suiteIdentifierType	1..1	See suiteIdentifierType.
reason	string	0..1	The reason the suite was not deleted.

Complex Type: failedFeatureBundleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeatureBundle	failedFeatureBundleDataType	0..*	**failedData** contains one or more **failedFeatureBundle** elements. See failedFeatureBundleDataType.

Complex Type: failedFeatureBundleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	createFeatureBundleDataType	1..1	See createFeatureBundleDataType.
reason	string	1..1	String containing the reason the feature bundle was not added.

Complex Type: failedFeatureBundleStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeatureBundle	failedFeatureBundleStateDataType	0..*	A **failedData** element contains an array of **failedFeatureBundle** elements whose state was not set. See failedFeatureBundleStateDataType.

Complex Type: failedFeatureBundleStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleStateDataType	1..1	See featureBundleStateDataType.

Content Model

Component	Type	Occurs	Description
reason	string	1..1	Reason the state of the feature bundle was not set.

Complex Type: failedFeatureDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeature	failedFeatureDataType	0..*	**failedData** contains one or more failedFeature elements. See failedFeatureDataType.

Complex Type: failedFeatureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureDataType	0..1	See featureDataType.
reason	string	0..1	String containing the reason the feature was not added.

Complex Type: failedFeatureStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeature	failedFeatureStateDataType	0..*	A **failedData** element contains an array of **failedFeature** elements whose state was not set. See failedFeatureStateDataType.

Complex Type: failedFeatureStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureStateDataType	1..1	See featureStateDataType.
reason	string	1..1	Reason the state was not set.

Complex Type: failedMaintenanceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedMaintenance	failedMaintenanceDataType	0..*	**failedData** contains one or more **failedMaintenance** elements. See failedMaintenanceDataType.

Complex Type: failedMaintenanceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	createMaintenanceDataType	0..1	See createMaintenanceDataType.
reason	string	0..1	String containing the reason the maintenance product was not added.

Complex Type: failedMaintenanceStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedMaintenance	failedMaintenanceStateDataType	0..*	A **failedData** element contains an array of **failedMaintenance** elements whose state was not set. See failedMaintenanceStateDataType.

Complex Type: failedMaintenanceStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	maintenanceStateDataType	1..1	See maintenanceStateDataType.

Content Model

Component	Type	Occurs	Description
reason	string	1..1	Reason the state of the maintenance product was not set.

Complex Type: failedOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrganization	failedOrgDataType	0..*	**failedData** contains one or more **failedOrganization** elements. See failedOrgDataType.

Complex Type: failedOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationBasicDataType	0..1	See organizationBasicDataType.
reason	string	0..1	String containing the reason the organization was not added.

Complex Type: failedPartNumberDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedPartNumber	failedPartNumberDataType	0..*	**failedData** contains one or more **failedPartNumber** elements. See failedPartNumberDataType.

Complex Type: failedPartNumberDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	createPartNumberDataType	0..1	See createPartNumberDataType.
reason	string	0..1	String containing the reason the part number was not added.

Complex Type: failedProductCategoryDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedProductCategory	failedProductCategoryDataType	0..*	**failedData** contains one or more **failedProductCategory** elements. See failedProductCategoryDataType.

Complex Type: failedProductCategoryDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	createProductCategoryDataType	0..1	See createProductCategoryDataType.
reason	string	0..1	String containing the reason the category was not added.

Complex Type: failedProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedProduct	failedProductDataType	0..*	**failedData** contains one or more **failedProduct** elements. See failedProductDataType.

Complex Type: failedProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	createProductDataType	0..1	See createProductDataType.
reason	string	0..1	String containing the reason the product was not added.

Complex Type: failedProductRelationshipDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedRelationship	failedProductRelationshipDataType	0..*	**failedData** contains one or more **failedRelationship** elements. See failedProductRelationshipDataType.

Complex Type: failedProductRelationshipDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	productRelationshipDataType	0..1	See productRelationshipDataType.
reason	string	0..1	The reason the relationship was not added.

Complex Type: failedProductStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedProduct	failedProductStateDataType	0..*	A **failedData** element contains an array of **failedProduct** elements whose state was not set. See failedProductStateDataType.

Complex Type: failedProductStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productStateDataType	1..1	See productStateDataType.
reason	string	1..1	Reason the state of the product was not set.

Complex Type: failedUniformSuiteDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUniformSuite	failedUniformSuiteDataType	0..*	**failedData** contains one or more **failedUniformSuite** elements. See failedUniformSuiteDataType.

Complex Type: failedUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	createUniformSuiteDataType	0..1	See createUniformSuiteDataType.
reason	string	0..1	String containing the reason the suite was not added.

Complex Type: failedUniformSuiteStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUniformSuite	failedUniformSuiteStateDataType	0..*	**failedData** contains an array of **failedUniformSuite** elements whose state was not set. See failedUniformSuiteStateDataType.

Complex Type: failedUniformSuiteStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
suite	uniformSuiteStateDataType	1..1	See uniformSuiteStateDataType.
reason	string	1..1	String containing the reason the suite was not added.

Complex Type: failedUpdateFeatureBundleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeatureBundle	failedUpdateFeatureBundleDataType	0..*	**failedData** contains one or more **failedFeatureBundle** elements. See failedUpdateFeatureBundleDataType.

Complex Type: failedUpdateFeatureBundleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	updateFeatureBundleDataType	1..1	See updateFeatureBundleDataType.
reason	string	0..1	The reason the feature bundle was not modified.

Complex Type: failedUpdateFeatureDataListType

Description

Contains one or more **failedFeature** elements.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFeature	failedUpdateFeatureDataType	0..*	**failedData** contains one or more **failedFeature** elements. See failedUpdateFeatureDataType.

Complex Type: failedUpdateFeatureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	See featureIdentifierType.
reason	string	0..1	String containing the reason the feature was not added.

Complex Type: failedUpdateMaintenanceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedMaintenance	failedUpdateMaintenanceDataType	0..*	**failedData** contains one or more **failedMaintenance** elements. See failedUpdateMaintenanceDataType.

Complex Type: failedUpdateMaintenanceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	updateMaintenanceDataType	1..1	See updateMaintenanceDataType.
reason	string	0..1	The reason the maintenance product was not modified.

Complex Type: failedUpdateProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedProduct	failedUpdateProductDataType	0..*	**failedData** contains one or more **failedProduct** elements. See failedUpdateProductDataType.

Complex Type: failedUpdateProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	updateProductDataType	1..1	See updateProductDataType.
reason	string	0..1	The reason the product was not modified.

Complex Type: failedUpdateProductRelationshipDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedRelationship	failedUpdateProductRelationshipDataType	0..*	**failedData** contains one or more **failedRelationship** elements. See failedUpdateProductRelationshipDataType.

Complex Type: failedUpdateProductRelationshipDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	updateProductRelationshipDataType	1..1	See updateProductRelationshipDataType.
reason	string	1..1	The reason the relationship was not modified.

Complex Type: failedUpdateUniformSuiteDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUniformSuite	failedUpdateUniformSuiteDataType	0..*	**failedData** contains one or more **failedUniformSuite** elements. See failedUpdateUniformSuiteDataType.

Complex Type: failedUpdateUniformSuiteDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	updateUniformSuiteDataType	1..1	See updateUniformSuiteDataType.
reason	string	0..1	The reason the suite was not modified.

Complex Type: featureBundleIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the feature bundle, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature bundle.
primaryKeys	featureBundlePKType	0..1	Database primary key of the feature bundle—a string containing the **name** of the feature bundle.

Complex Type: featureBundleIdentifierWithCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..1	Required. See featureBundleIdentifierType.
count	positiveInteger	1..1	Required. Positive integer that indicates the cardinality of the feature bundle in the product.

Complex Type: featureBundleQueryDataType

Description

All elements in the feature bundles are returned, unless otherwise noted.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the feature.

Content Model

Component	Type	Occurs	Description
name	string	1..1	Name of the feature.
description	string	0..1	Description of the feature.
state	StateType	1..1	DRAFT or DEPLOYED.
features	featuresListType	0..1	The features in the feature bundle are returned if **returnContainedObjects** in the request is set to true. See featuresListType.

Complex Type: featureBundleQueryParametersType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

name	SimpleQueryType	0..1	Optional. A name **element** contains:
			• **value**—a string to match part or all of the feature bundle name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of DRAFT or DEPLOYED to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

creationDate	DateQueryType	0..1	Optional. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Complex Type: featureBundlesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleIdentifierWithCountDataType	1..*	**featureBundles** contains an array of one or more **featureBundle** elements. See featureBundleIdentifierWithCountDataType.

Complex Type: featureBundleStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
featureBundleIdentifier	featureBundleIdentifierType	1..1	Required. See featureBundleIdentifierType.
stateToSet	StateType	1..1	Required. DRAFT or DEPLOYED.

Complex Type: featureDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureName	string	1..1	Required. Name of a feature that can contain up to 30 ASCII characters, numbers, underscores, and hyphens.
versionFormat	VersionFormatType	1..1	Required. Specify FIXED or DATE_BASED.
version	string	0..1	The version contains numbers and up to one decimal point. A feature with a FIXED version format needs a version to save and deploy the feature. For a DATE_BASED version format, this value is ignored.
description	string	0..1	Optional. Describe what makes this feature unique.
featureOverrideParams	featureOverrideParamsType	0..1	Optional. If you have a FLEXnet_Ops.FeatureOverride license and the Web service user is assigned the Set Feature Override permission, one or more of these parameters can be set on an individual feature to override settings on a license model. See featureOverrideParamsType. Even if no feature overrides are explicitly set, the dupGroupOption, NO_OVERRIDE, is set automatically.

Complex Type: featureIdentifierType

Description

In the request, specify either **uniqueId** or **primaryKeys** to uniquely specify the feature, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature.
primaryKeys	featurePKType	0..1	Database primary keys of the feature—strings containing **name** and, if the feature version format is FIXED, the **version** of the feature. If the feature **version** format is DATE_BASED, specify only name.

Complex Type: featureIdentifierWithCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	Required. See featureIdentifierType.
count	positiveInteger	1..1	Required. Positive integer that indicates the cardinality of the feature in the feature bundle or product.

Complex Type: featureOverrideParamsType

Description

Describes the elements in featureOverrideParamsType. Your FlexNet Operations license must contain a FLEXnet_Ops.FeatureOverride feature and the Web service user must have the **Set Feature Override** permission to use these settings. They are recommended only for backwards compatibility with GT*licensing*.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
vendorString	string	0..1	Optional. Override a VENDOR_STRING setting in a license model with this value.
notice	string	0..1	Optional. Override a NOTICE setting in a license model with this value.
serialNumber	string	0..1	Optional. Override a SERIAL_NUMBER setting in a license model with this value.
dupGroup	dupGroupDataType	0..1	Optional. Override a DUP_GROUP setting in a license model with this value. See dupGroupDataType. Even if no feature overrides are explicitly set, the **dupGroupOption**, NO_OVERRIDE, is set automatically.

Complex Type: featureQueryDataType

Description

All elements in the features are returned.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the feature.
featureName	string	1..1	Name of the feature.
versionFormat	VersionFormatType	1..1	FIXED or DATE_BASED.
version	string	0..1	Version of the feature, if FIXED format.
description	string	0..1	Description of the feature.
state	StateType	1..1	DRAFT or DEPLOYED.
featureOverrideParams	featureOverrideParamsType	0..1	This element is returned only if your FlexNet Operations license contains a FLEXnet_Ops.FeatureOverride feature. See featureOverrideParamsType.

Complex Type: featureQueryParametersType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

featureName	SimpleQueryType	0..1	Optional. A **featureName** element contains:
			• **value**—a string to match part or all of the featureName element.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

version	SimpleQueryType	0..1	Optional. A **version** element contains:
			• **value**—a string to match part or all of the version value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

versionFormat	VersionFormatQueryType	0..1	Optional. A **versionFormat** element contains:
			• **value**—VersionFormatType of FIXED or DATE_BASED.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of DRAFT or DEPLOYED to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

creationDate	DateQueryType	0..1	Optional. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Complex Type: featuresListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureIdentifierWithCountDataType	1..*	Required. **features** contains an array of one or more **feature** elements. See featureIdentifierWithCountDataType.

Complex Type: featureStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	Required. See featureIdentifierType.
stateToSet	StateType	1..1	Required. DRAFT or DEPLOYED.

Complex Type: getFeatureBundleCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureBundleQueryParametersType	0..1	Required. See featureBundleQueryParametersType. Leave this element blank to return all feature bundles.

Referenced By

Name	Type
getFeatureBundleCountRequest	Element
getFeatureBundleCount	Method

Complex Type: getFeatureBundleCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFeatureBundleCountResponse	Element

Complex Type: getFeatureBundlesQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureBundleQueryParametersType	0..1	Required. See featureBundleQueryParametersType. Leave this element blank to return all feature bundles.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFeatureBundleCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return an array of **featuresListType** of features that are contained in the feature bundle. See featuresListType.

Referenced By

Name	Type
getFeatureBundlesQueryRequest	Element
getFeatureBundlesQuery	Method

Complex Type: getFeatureBundlesQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleQueryDataType	0..*	A **responseData** element contains an array of **featureBundle** elements. See featureBundleQueryDataType.

Complex Type: getFeatureBundlesQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFeatureBundlesQueryResponseDataType</td><td>0..1</td><td>See getFeatureBundlesQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getFeatureBundlesQueryResponse	Element

Complex Type: getFeatureCountRequestType

Description

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureQueryParameters Type	0..1	Required. See featureQueryParametersType. Leave this element blank to return all features.

Referenced By

Name	Type
getFeatureCountRequest	Element
getFeatureCount	Method

Complex Type: getFeatureCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Descripton</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFeatureCountResponse	Element

Complex Type: getFeaturesQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureQueryParametersType	0..1	Required. See featureQueryParametersType. Leave this element blank to return all features.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFeatureCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getFeaturesQueryRequest	Element
getFeaturesQuery	Method

Complex Type: getFeaturesQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureQueryDataType	0..*	A **responseData** element contains an array of feature elements to be added. See featureQueryDataType.

Complex Type: getFeaturesQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFeaturesQueryResponseDataType</td><td>0..1</td><td>See getFeaturesQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getFeaturesQueryResponse	Element

Complex Type: getLicenseTechnologyQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	licenseTechnologyQueryParametersType	0..1	Required. See licenseTechnologyQueryParametersType. Leave this element blank to return all license technologies.

Referenced By

Name	Type
getLicenseTechnologyQueryRequest	Element
getLicenseTechnologiesQuery	Method

Complex Type: getLicenseTechnologyQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All organizations in the request were processed. • PARTIAL_FAILURE—Some, but not all organizations in the request were processed. • FAILURE—None of the organizations in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	licenseTechnologyDataListType	0..1	Information about the license technologies that matched the query is listed in the **responseData** element. See licenseTechnologyDataListType.

Referenced By

Name	Type
getLicenseTechnologyQueryResponse	Element

Complex Type: getMaintenanceCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	maintenanceQueryParametersType	0..1	Required. See maintenanceQueryParametersType. Leave this element blank to return all maintenance products.

Referenced By

Name	Type
getMaintenanceCountRequest	Element
getMaintenanceCount	Method

Complex Type: getMaintenanceCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getMaintenanceCountResponse	Element

Complex Type: getMaintenanceQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	maintenanceQueryParametersType	0..1	Required. See maintenanceQueryParametersType. Leave this element blank to return all maintenance products.
pageNumber	integer	1..1	Required. Starts at 1. Say the getMaintenanceCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the maitenance product.

Referenced By

Name	Type
getMaintenanceQueryRequest	Element
getMaintenanceQuery	Method

Complex Type: getMaintenanceQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	maintenanceQueryDataType	0..*	A **responseData** element contains an array of maintenance elements. See maintenanceQueryDataType.

Complex Type: getMaintenanceQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMaintenanceQueryResponseDataType</td><td>0..1</td><td>See getMaintenanceQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getMaintenanceQueryResponse	Element

Complex Type: getModelIdentifiersRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	identifierQueryParametersType	0..1	Required. See identifierQueryParametersType.

Referenced By

Name	Type
getModelIdentifiersRequest	Element
getLicenseModelIdentifiers	Method

Complex Type: getModelIdentifiersResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entities in the request were processed.
FAILURE—None of the entities in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>modelIdentifiersDataListType</td><td>0..1</td><td>See modelIdentifiersDataListType.</td></tr>
</table>

Referenced By

Name	Type
getModelIdentifiersResponse	Element

Complex Type: getPartNumberCountRequestType

Description

A **getPartNumberCountRequest** message contains an element of getPartNumberCountRequestType.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
queryParams	partNumberQueryParametersType	0..1	Required. See partNumberQueryParametersType.

Referenced By

Name	Type
getPartNumberCountRequest	Element
getPartNumberCount	Method

Complex Type: getPartNumberCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	partNumberCountDataType	0..1	Contains an integer **count** element. See partNumberCountDataType.

Referenced By

Name	Type
getPartNumberCountResponse	Element

Complex Type: getPartNumbersQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	partNumberQueryParametersType	0..1	Required. See partNumberQueryParametersType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getPartNumberCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getPartNumbersQueryRequest	Element
getPartNumbersQuery	Method

Complex Type: getPartNumbersQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
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</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	partNumberDataListType	0..1	See partNumberDataListType.

Referenced By

Name	Type
getPartNumbersQueryResponse	Element

Complex Type: getProductCategoriesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
pageNumber	integer	0..1	The page number of the query results. The page number depends on the batch size and the number of records returned. Say the getProductCategories query returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	True or False.

Referenced By

Name	Type
getProductCategoriesRequest	Element
getProductCategories	Method

Complex Type: getProductCategoriesResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	productCategoryDataType	0..*	A **responseData** element contains an array of **productCategory** elements. See productCategoryDataType.

Complex Type: getProductCategoriesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getProductCategoriesResponseDataType</td><td>0..1</td><td>A getProductCategoriesResponse contains an array of responseData elements. See getProductCategoriesResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductCategoriesResponse	Element

Complex Type: getProductCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	productQueryParametersType	0..1	Required. See productQueryParametersType. Leave this element blank to return all products.

Referenced By

Name	Type
getProductCountRequest	Element
getProductCount	Method

Complex Type: getProductCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element. See getCountResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductCountResponse	Element

Complex Type: getProductRelationshipsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.

Referenced By

Name	Type
getProductRelationshipsRequest	Element
getProductRelationships	Method

Complex Type: getProductRelationshipsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: SUCCESS—All relationships in the request were processed. PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE. FAILURE—None of the relationships in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
relationship	productRelationshipDataType	1..*	A **getProductRelationshipsResponse** contains an array of **relationship** elements. See productRelationshipDataType.

Referenced By

Name	Type
getProductRelationshipsResponse	Element

Complex Type: getProductsQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	productQueryParametersType	0..1	Required. See productQueryParametersType. Leave this element blank to return all products.
pageNumber	integer	1..1	Required. Starts at 1. Say the getProductCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the product.

Referenced By

Name	Type
getProductsQueryRequest	Element
getProductsQuery	Method

Complex Type: getProductsQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productQueryDataType	0..*	A **responseData** element contains an array of **product** elements. See productQueryDataType.

Complex Type: getProductsQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getProductsQueryResponseDataType</td><td>0..1</td><td>See getProductsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductsQueryResponse	Element

Complex Type: getTransactionKeyIdentifiersRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	identifierQueryParametersType	0..1	Required. See identifierQueryParametersType.

Referenced By

Name	Type
getTransactionKeyIdentifiersRequest	Element
getTransactionKeyIdentifiers	Method

Complex Type: getTransactionKeyIdentifiersResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entities in the request were processed. • FAILURE—None of the entities in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
responseData	transactionKeyIdentifiersDataListType	0..1	See transactionKeysIdentifiersDataListType.

Referenced By

Name	Type
getTransactionKeyIdentifiersResponse	Element

Complex Type: getUniformSuiteCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	suiteQueryParametersType	0..1	Required. See suiteQueryParametersType. Leave this element blank to return all suites.

Referenced By

Name	Type
getUniformSuiteCountRequest	Element
getUniformSuiteCount	Method

Complex Type: getUniformSuiteCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getUniformSuiteCountResponse	Element

Complex Type: getUniformSuitesQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	suiteQueryParametersType	0..1	Required. See suiteQueryParametersType. Leave this element blank to return all suites.
pageNumber	integer	1..1	Required. Starts at 1. Say the getUniformSuiteCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the suite.

Referenced By

Name	Type
getUniformSuitesQueryRequest	Element
getUniformSuiteQuery	Method

Complex Type: getUniformSuitesQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	uniformSuiteQueryDataType	0..*	A **responseData** element contains an array of **uniformSuite** elements. See uniformSuiteQueryDataType.

Complex Type: getUniformSuitesQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getUniformSuitesQueryResponseDataType</td><td>0..1</td><td>See getUniformSuitesQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUniformSuitesQueryResponse	Element

Complex Type: getUsersForProductCategoryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	productCategoryDataType	1..1	Required. See productCategoryDataType.

Referenced By

Name	Type
getUsersForProductCategoryRequest	Element
getUsersForProductCategory	Method

Complex Type: getUsersForProductCategoryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	0..*	See userIdentifierType.

Complex Type: getUsersForProductCategoryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>userData</td><td>getUsersForProductCategoryResponseDataType</td><td>0..1</td><td>A geUsersForProductCategoryResponseDataType contains an array of userData elements. See geUsersForProductCategoryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUsersForProductCategoryResponse	Element

Complex Type: handleProductCategoriesToUserRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..1	See userIdentifierType.
productCategory	productCategoryDataType	1..*	An array of productCategory elements. See productCategoryDataType.

Referenced By

Name	Type
assignProductCategoriesToUserRequest	Element
removeProductCategoriesFromUserRequest	Element
assignProductCategoriesToUser	Method
removeProductCategoriesFromUser	Method

Complex Type: handleProductCategoriesToUserResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
assignProductCategoriesToUserResponse	Element
removeProductCategoriesFromUserResponse	Element

Complex Type: handleProductCategoryToOrgRequestType

Description

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
org	organizationIdentifierType	1..1	See organizationIdentifierType.
productCategory	productCategoryDataType	1..*	An array of **productCategory** elements. See productCategoryDataType.

Referenced By

Name	Type
assignProductCategoriesToOrgRequest	Element
removeProductCategoriesFromOrgRequest	Element
assignProductCategoriesToOrg	Method
removeProductCategoriesFromOrg	Method

Complex Type: handleProductCategoryToOrgResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
assignProductCategoriesToOrgResponse	Element
removeProductCategoriesFromOrgResponse	Element

Complex Type: hostTypePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the host type.

Complex Type: identifierQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

name	SimpleQueryType	0..1	Required. A name element contains:
			• value—a string to match part or all of the name.
			• searchType—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: licenseGeneratorIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license generator configuration.
primaryKeys	licenseGeneratorPKType	0..1	Database primary key of the license generator configuration—string containing the **name** of the license generator configuration.

Complex Type: licenseGeneratorsDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseGeneratorIdentifier	licenseGeneratorIdentifierType	0..*	**licenseGenerators** contains one or more **licenseGeneratorIdentifier** elements. See licenseGeneratorIdentifierType.

Complex Type: licenseModelDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	See licenseModelIdentifierType.
licenseTechnology	licenseTechnologyIdentifierType	1..1	See licenseTechnologyIdentifierType.
attributeDetails	modelAttributesType	1..1	See modelAttributesType.

Complex Type: licenseModelIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the license model, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license model.
primaryKeys	licenseModelPKType	0..1	Database primary key of the license model. See licenseModelPKType.

Complex Type: licenseModelPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the license model.

Complex Type: licenseModelsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModel	licenseModelIdentifierType	1..*	Required. See licenseModelIdentifierType.

Complex Type: licenseTechnologyDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseTechnology	licenseTechnologyDetailsType	0..*	**responseData** contains one or more **licenseTechnology** elements. See TlicenseTechnologyDetailsType.

Complex Type: licenseTechnologyDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseTechnologyIdentifier	licenseTechnologyIdentifierType	1..1	See licenseTechnologyIdentifierType.
licenseGenerators	licenseGeneratorsDetailsType	1..1	See licenseGeneratorsDetailsType.
hostTypes	hostTypeListType	1..1	A collection of one or more **hostTypePKType** elements. Use **hostTypes** to assign multiple hosts.
state	StateType	1..1	DRAFT or DEPLOYED.

Complex Type: licenseTechnologyIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license technology.
primaryKeys	licenseTechnologyPKType	0..1	Database primary key of the license technology. See licenseTechnologyPKType.

Complex Type: licenseTechnologyPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the license technology.

Complex Type: licenseTechnologyQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description

name	SimpleQueryType	0..1	Optional. A **name** element contains:
			• **value**—a string to match part or all of the license technology name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: maintenanceIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the maintenance product, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the maintenance product.
primaryKeys	maintenancePKType	0..1	Database primary key of the maintenance product. See maintenancePKType.

Complex Type: maintenancePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the maintenance product.
version	string	1..1	The **version** of the maintenance product.

Complex Type: maintenanceQueryDataType

Description

All elements in the maintenance products are returned, unless otherwise noted.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the maintenance product.
maintenanceName	string	1..1	Name of the maintenance product.
version	string	0..1	Version of the maintenance product.
description	string	0..1	Description of the maintenance product.
state	StateType	1..1	DRAFT, DEPLOYED, INACTIVE, ON_HOLD, or OBSOLETE.
allowUpgrades	boolean	0..1	Are upgrades allowed for this maintenance?
allowUpsells	boolean	0..1	Are upsells allowed for this maintenance?
allowRenewals	boolean	0..1	Are renewals allowed for this maintenance?
partNumbers	partNumbersSimpleListType	0..1	The part numbers in the maintenance product are returned if **returnContainedObjects** in the request is set to true. See partNumbersSimpleListType.

Complex Type: maintenanceQueryParametersType

Description

Specify the elements needed to construct your query

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

maintenanceName	SimpleQueryType	0..1	Optional. A **maintenanceName** element contains:
			• **value**—a string to match part or all of the maintenance product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS.

version	SimpleQueryType	0..1	Optional. A **version** element contains:
			• **value**—a string to match part or all of the maintenance product version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS.

Content Model

Component	Type	Occurs	Description

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS.

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS.

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of DRAFT, DEPLOYED, INACTIVE, or OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

creationDate	DateQueryType	0..1	Optional. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Complex Type: maintenanceStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceIdentifier	maintenanceIdentifierType	1..1	Required. See maintenanceIdentifierType.
stateToSet	StateType	1..1	Required. DRAFT, DEPLOYED, INACTIVE, or OBSOLETE.

Complex Type: modelAttributesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
needServerId	boolean	1..1	Returns true if the license model requires that a license server hostid is provided at fulfillment time.
needNodeLockId	boolean	1..1	Returns true if the license model requires that a node-locked hostid is provided at fulfillment time.
needCount	boolean	1..1	Returns true if the license model requires that a fulfill count is provided at fulfillment time.
needOverdraftCount	boolean	1..1	Returns true if the license model requires that an overdraft count is provided at fulfillment time.

Complex Type: modelIdentifiersDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModel	licenseModelDetailsType	0..*	See licenseModelDetailsType.

Complex Type: organizationBasicDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgUnitId	string	1..1	Required. Identifier of the organization.
displayName	string	1..1	Required. Display name of the organization.

Complex Type: organizationIdentifierType

Description

The organization can be specified using one of these elements.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database ID of the organization.
primaryKeys	organizationPKType	0..1	Name. See organizationPKType.

Complex Type: organizationPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the organization.

Complex Type: OrgTypeList

Description

A list of multiple **orgType** elements. Use **orgTypeList** when you want to query organizations of multiple types. Add an **orgType** element to the **orgTypeList** for each organization type you want to include in the query. If no **orgType** or **orgTypeList** is specified, the query searches only CUSTOMER organizations (the default).

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgType	OrgType	1..*	Optional. Defines the organization type. **orgType** can be: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER • SELF_REGISTERED Default: CUSTOMER.

Complex Type: packagePropertiesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Required. Name of a package that can contain up to 30 ASCII characters, numbers, underscores, and hyphens.
version	string	0..1	The version contains numbers and up to one decimal point. A value is required at deployment for a FIXED version format; any specified value is ignored for a DATE_BASED version format.
versionFormat	VersionFormatType	1..1	Required. Specify FIXED or DATE_BASED.

Complex Type: partNumberDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberDataType	0..*	A **responseData** element contains an array of **partNumber** elements to be added. See partNumberDataType.

Complex Type: partNumberDataType

Description

All elements in the part numbers are returned, unless otherwise noted.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumberIdentifier	partNumberIdentifierType	1..1	See partNumberIdentifierType.
description	string	1..1	Description of the part number.
creationDate	date	1..1	Date the part number was created.
lastModifiedDate	date	1..1	Date the part number was last modified.
mappedProduct	productIdentifierType	0..1	Product to which the part number is mapped, if applicable.
mappedLicenseModel	licenseModelIdentifierType	0..1	License model to which the part number is mapped, if applicable.

Complex Type: partNumberIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the part number, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the part number.
primaryKeys	partNumberPKType	0..1	Database primary key of the part number. See partNumberPKType.

Complex Type: partNumberIdentifierWithModelType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the part number, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the part number.
primaryKeys	partNumberPKType	0..1	Database primary key of the part number. See partNumberPKType.
licenseModel	licenseModelIdentifierType	0..1	Optional, if you want to map a part number for a product to one specific license model linked to the product. See licenseModelIdentifierType.

Complex Type: partNumberPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partId	string	1..1	The **partId** of the part number.

Complex Type: partNumberQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

partId	SimpleQueryType	0..1	Required. Value of a part number. A **partId** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description
description	SimpleQueryType	0..1	Optional. Describe what makes this part number unique. A **description** element contains: • **value**—a string to match part or all of the description. **searchType**—one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
productName	SimpleQueryType	0..1	Optional. A **productName** element contains: • **value**—a string to match part or all of the product name to which the part number is mapped. • **searchType**—one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS.
licenseModel	SimpleQueryType	0..1	Optional. A **licenseModel** element contains: • **value**—a string to match part or all of the license model name to which the part number is mapped. • **searchType**—one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Content Model

Component	Type	Occurs	Description

creationDate	DateQueryType	0..1	Optional. Date the part number was created. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Date the part number was last modified. A lastModifiedDate element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

unmappedWithProduct	boolean	0..1	Optional. Set to true to return part numbers that are not mapped to any product. Set to false to return part numbers that are mapped to a product. Do not use this parameter at all to return part numbers whether or not they are mapped to a specific product.
unmappedWithLicenseModel	boolean	0..1	Optional. Set to true to return part numbers that are not mapped to any license model. Set to false to return part numbers that are mapped to a license model. Do not use this parameter at all to return part numbers whether or not they are mapped to a specific license model.

Complex Type: partNumbersListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberIdentifierWithModelType	1..*	Required. See partNumberIdentifierWithModelType.

Complex Type: partNumbersSimpleListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberIdentifierType	1..*	Required. See partNumberIdentifierType.

Complex Type: prodCustomAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of a text-type product custom attribute by which to search for a product.
stringValue	SimpleQueryType	0..1	Value of the text-type product custom attribute.

Complex Type: prodCustomAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	prodCustomAttributeQueryType	0..*	See prodCustomAttributeQueryType.

Complex Type: productCategoryDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier for the product category.
name	string	0..1	The name of the product category.
description	string	0..1	The product category description. Populated only in response messages.
categoryAttributes	categoryAttributesDataType	0..1	See categoryAttributesDataType.

Complex Type: productCategoryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

productCategoryName	SimpleQueryType	0..1	A **productCategoryName** element contains:
			• **value**—a string to match part or all of the productCategoryName value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: productIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the product.
primaryKeys	productPKType	0..1	Database primary key of the product. See productPKType.

Complex Type: productIdentifierWithCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.
count	positiveInteger	1..1	Required. Positive integer that indicates the cardinality of the product in the suite.

Complex Type: productPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the product.
version	string	1..1	The **version** of the product.

Complex Type: productQueryDataType

Description

All elements in the products are returned, unless otherwise noted.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the product.
productName	string	1..1	Name of the product.

Content Model

Component	Type	Occurs	Description
version	string	0..1	Version of the product.
description	string	0..1	Description of the product.
state	StateType	1..1	DRAFT, DEPLOYED, INACTIVE, or OBSOLETE.
licenseTechnology	licenseTechnologyIdentifierType	0..1	Optional. See licenseTechnologyIdentifierType.
licenseGenerator	licenseGeneratorIdentifierType	0..1	Optional. See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	See packagePropertiesDataType.
features	featuresListType	0..1	The features in the product are returned if **returnContainedObjects** in the request is set to true. See featuresListType.
featureBundles	featureBundlesListType	0..1	The feature bundles in the product are returned if **returnContainedObjects** in the request is set to true. See featureBundlesListType.
licenseModels	licenseModelsListType	0..1	The licenseModels in the product are returned if **returnContainedObjects** in the request is set to true. See licenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	The transaction keys in the product are returned if **returnContainedObjects** in the request is set to true. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	The transaction keys in the product are returned if **returnContainedObjects** in the request is set to true. See trustedKeyIdentifierType.
partNumbers	partNumbersListType	0..1	The part numbers in the product are returned if **returnContainedObjects** in the request is set to true. See partNumbersListType.
hostType	hostTypePKType	0..1	See hostTypePKType.
hostTypes	hostTypeListType	0..1	A collection of one or more **hostTypePKType** elements. Use hostTypes to assign multiple hosts.
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology product that can be used on a device licensed using FNE.
productCategory	string	0..1	Optional. The product category for this product.
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfilment records.
creationDate	dateTime	0..1	The date and time (timestamp) the product was created.
lastModifiedDate	dateTime	0..1	The date and time (timestamp) the product was last modified.

Content Model

Component	Type	Occurs	Description
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
startDate	date	0..1	Only used for automatic upgrade jobs, the **startDate** value defines the beginning of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor on bulk operations. **startDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.
endDate	date	0..1	Only used for automatic upgrade jobs, the **endDate** value defines the ending of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor on bulk operations. **endDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.
upgradeEmailTemplateVarName	string	0..1	The variation of the Product Upgrade Job Email template FlexNet Operations uses to send an email when, as a result of running the Product Version Upgrade job, it automatically creates upgrade lines for the current product. (This value is the template variation used for email messages sent to end users as a result of the Product Version Upgrade job.) • If **upgradeEmailTemplateVarName** is empty (no value) or DEFAULT, the default variation of the Product Upgrade Job Email template is used. • If **upgradeEmailTemplateVarName** is **None**, FlexNet Operations does not send email messages when it creates upgrade lines as a result of the Product Version Upgrade job. • If **upgradeEmailTemplateVarName** specifies an active variation of the Product Upgrade Job email template, FlexNet Operations uses the variation specified. **Note:** This attribute is available in ProductPackagingService v1 and later.

Complex Type: productQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

productName	SimpleQueryType	0..1	Optional. A **productName** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

version	SimpleQueryType	0..1	Optional. A **version** element contains:
			• **value**—a string to match part or all of the product version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

state	StateQueryType	0..1	Optional. A state **element** contains:
			• **value**—a StateType value of: DRAFT, DEPLOYED, INACTIVE, or OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

creationDate	DateQueryType	0..1	Optional. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

hostType	SimpleQueryType	0..1	Optional. A **hostType** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology product that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a product is deployed. If it is changed from false to true, a hostType must be set
productAttributes	prodCustomAttributesQueryListType	0..1	See prodCustomAttributesQueryListType.

Complex Type: productRelationshipDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productToRelate	productIdentifierType	1..1	Required. See productIdentifierType.
relatedProduct	productIdentifierType	1..1	Required. See productIdentifierType.

Content Model

Component	Type	Occurs	Description
relation	relationshipType	1..1	Required. Select one of the following that describes how the **productToRelate** is related to the **relatedProduct**. For example, the product to relate is a demo of the related product. • RELATION_UNDEFINED • PRODUCTION_VERSION_OF • DEMO_OF • UPGRADE_FROM • UPGRADE_TO • UPSELL_FROM • UPSELL_TO • IS_MAINTENANCE • HAS_MAINTENANCE

Referenced By

Name	Type
updateProductRelationshipDataType	Complex Type

Complex Type: productsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productIdentifierWithCountDataType	1..*	**products** contains an array of one or more **product** elements. See productIdentifierWithCountDataType.

Complex Type: productStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.
stateToSet	StateType	1..1	Required. DRAFT, DEPLOYED, INACTIVE, or OBSOLETE.

Complex Type: roleIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Role ID.
primaryKeys	rolePKType	0..1	Name of the role.

Complex Type: setFeatureBundleStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
featureBundle	featureBundleStateDataType	1..*	Required. A **setFeatureBundleState** request contains an array of **featureBundle** elements for which to change the state. See featureBundleStateDataType.

Referenced By

Name	Type
setFeatureBundleStateRequest	Element
setFeatureBundleState	Method

Complex Type: setFeatureBundleStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleStateDataListType</td><td>0..1</td><td>Information about the feature bundles whose state was not set is listed in the failedData element. See failedFeatureBundleStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setFeatureBundleStateResponse	Element

Complex Type: setFeatureStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureStateDataType	1..*	Required. A **setFeatureStateRequest** contains an array of **feature** elements for which to change the state. See featureStateDataType.

Referenced By

Name	Type
setFeatureStateRequest	Element
setFeatureState	Method

Complex Type: setFeatureStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureStateDataListType</td><td>0..1</td><td>Information about the features whose state was not set is listed in the failedData element. See failedFeatureStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setFeatureStateResponse	Element

Complex Type: setMaintenanceStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	maintenanceStateDataType	1..*	Required. A **setMaintenanceState** request contains an array of **maintenance** elements for which to change the state. See maintenanceStateDataType.

Referenced By

Name	Type
setMaintenanceStateRequest	Element
setMaintenanceState	Method

Complex Type: setMaintenanceStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMaintenanceStateDataListType</td><td>0..1</td><td>Information about the maintenance products whose state was not set is listed in the failedData element. See failedMaintenanceStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setMaintenanceStateResponse	Element

Complex Type: setProductStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productStateDataType	1..*	Required. A **setProductState** request contains an array of **product** elements for which to change the state. See productStateDataType.

Referenced By

Name	Type
setProductStateRequest	Element
setProductState	Method

Complex Type: setProductStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductStateDataListType</td><td>0..1</td><td>Information about the products whose state was not set is listed in the failedData element. See failedProductStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setProductStateResponse	Element

Complex Type: setUniformSuiteStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suite	uniformSuiteStateDataType	1..*	Required. A **setUniformSuiteState** request contains an array of suite elements for which to change the state. See uniformSuiteStateDataType.

Referenced By

Name	Type
setUniformSuiteStateRequest	Element
setUniformSuiteState	Method

Complex Type: setUniformSuiteStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteStateDataListType</td><td>0..1</td><td>Information about the suites whose state was not set is listed in the failedData element. See failedUniformSuiteStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setUniformSuiteStateResponse	Element

Complex Type: suiteCustomAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of a text-type product custom attribute by which to search for a uniform suite.
stringValue	SimpleQueryType	0..1	Value of the text-type product custom attribute.

Complex Type: suiteCustomAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	suiteCustomAttributeQueryType	0..*	See suiteCustomAttributeQueryType.

Complex Type: suiteIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the suite, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the suite.
primaryKeys	suitePKType	0..1	Database primary key of the suite. See suitePKType.

Complex Type: suitePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the suite.
version	string	1..1	The **version** of the suite.

Complex Type: suiteQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

suiteName	SimpleQueryType	0..1	Optional. A **suiteName** element contains:
			• **value**—a string to match part or all of the suite name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

version	SimpleQueryType	0..1	Optional. A **version** element contains:
			• **value**—a string to match part or all of the suite version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of DRAFT, DEPLOYED, INACTIVE, or OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

creationDate	DateQueryType	0..1	Optional. A **creationDate** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

hostType	SimpleQueryType	0..1	Optional. A **hostType** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology suite that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a suite is deployed. If it is changed from false to true, a hostType must be set.
productAttributes	suiteCustomAttributesQueryListType	0..1	See suiteCustomAttributesQueryListType.

Complex Type: transactionKeyIdentifiersDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
transactionKeyIdentifier	trustedKeyIdentifierType	0..*	See trustedKeyIdentifierType.

Complex Type: trustedKeyIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the transaction key, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the transaction key.
primaryKeys	trustedKeyPKType	0..1	Database primary key of the transaction key. See trustedKeyPKType.

Complex Type: trustedKeyPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
keyName	string	1..1	The **keyName** of the transaction key.

Complex Type: uniformSuiteQueryDataType

Description

All elements in the suites are returned, unless otherwise noted.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the suite.
suiteName	string	1..1	Name of the suite.
version	string	0..1	Version of the suite.
description	string	0..1	Description of the suite.
state	StateType	1..1	DRAFT, DEPLOYED, INACTIVE, ON_HOLD, or OBSOLETE.
licenseTechnology	licenseTechnologyIdentifierType	0..1	See licenseTechnologyIdentifierType.
licenseGenerator	licenseGeneratorIdentifierType	0..1	See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	See packagePropertiesDataType.
products	productsListType	0..1	The products in the suite are returned if **returnContainedObjects** in the request is set to true. See productsListType.
licenseModels	licenseModelsListType	0..1	The licenseModels in the suite are returned if **returnContainedObjects** in the request is set to true. See licenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	The default transaction keys in the suite are returned if **returnContainedObjects** in the request is set to true. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	The virtualization-aware transaction keys in the suite are returned if **returnContainedObjects** in the request is set to true. See trustedKeyIdentifierType.
partNumbers	partNumbersListType	0..1	The part numbers in the suite are returned if **returnContainedObjects** in the request is set to true. See partNumbersListType.
hostType	hostTypePKType	0..1	See hostTypePKType.
hostTypes	hostTypeListType	0..1	A collection of one or more hostTypePKType elements. Use hostTypes to assign multiple hosts.
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology suite that can be used on a device licensed using FNE.
productCategory	string	0..1	Optional. The product category for this suite.

Content Model

Component	Type	Occurs	Description
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfilment records.
creationDate	dateTime	0..1	The date and time (timestamp) the suite was created.
lastModifiedDate	dateTime	0..1	The date and time (timestamp) the suite was last modified.
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: uniformSuiteStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suiteIdentifier	suiteIdentifierType	1..1	Required. See suiteIdentifierType.
stateToSet	StateType	1..1	Required. DRAFT, DEPLOYED, INACTIVE, or OBSOLETE.

Complex Type: updateEntitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
entitledProducts	entitledProductDataType	0..*	See entitledProductDataType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each entitlement to be modified: • REPLACE • ADD • DELETE

Complex Type: updateFeatureBundleDataType

Description

The **featureBundleIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..1	Required. See featureBundleIdentifierType.
name	string	0..1	Only need to specify if modifying value. The name of the feature bundle.
description	string	0..1	Only need to specify if modifying value. Describe what makes this feature bundle unique.
features	updateFeaturesListType	0..1	Only need to specify if modifying value. See updateFeaturesListType.

Complex Type: updateFeatureBundleRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	updateFeatureBundleDataType	1..*	Required. An **updateFeatureBundleRequest** contains an array of **featureBundle** elements to be modified. See updateFeatureBundleDataType.

Referenced By

Name	Type
updateFeatureBundleRequest	Element
updateFeatureBundle	Method

Complex Type: updateFeatureBundleResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were not modified is listed in the failedData element. See failedUpdateFeatureBundleDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateFeatureBundleResponse	Element

Complex Type: updateFeatureBundlesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleIdentifierWithCountDataType	1..*	Required. See featureBundleIdentifierWithCountDataType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each feature bundle to be modified in the product: • REPLACE • ADD • DELETE

Complex Type: updateFeatureDataType

Description

The **featureIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	Required. See featureIdentifierType.
featureName	string	0..1	Only need to specify if modifying value. Name of a feature that can contain up to 30 ASCII characters, numbers, underscores, and hyphens.
versionFormat	VersionFormatType	0..1	Only need to specify if modifying value. FIXED or DATE_BASED.
version	string	0..1	Only need to specify if modifying value. The version contains numbers and up to one decimal point. Ignored for a DATE_BASED version format.
description	string	0..1	Only need to specify if modifying value. Describe what makes this feature unique.

Content Model

Component	Type	Occurs	Description
featureOverrideParams	featureOverrideParamsType	0..1	Only need to specify if modifying value. If you have a FLEXnet_Ops.FeatureOverride license and the Web service user is assigned the Set Feature Override permission, one or more of these parameters can be set on an individual feature and override settings on a license model. See featureOverrideParamsType.

Complex Type: updateFeatureRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	updateFeatureDataType	1..*	Required. An **updateFeatureRequest** contains an array of **feature** elements to be modified. See updateFeatureDataType.

Referenced By

Name	Type
updateFeatureRequest	Element
updateFeature	Method

Complex Type: updateFeatureResponseType

Description

Elements used in an updateFeatureResponse message. Each feature in the updateFeatureRequest is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about features that were modified successfully.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateFeatureDataListType	0..1	Contains one or more **failedFeature** elements. See failedUpdateFeatureDataListType.

Referenced By

Name	Type
updateFeatureResponse	Element

Complex Type: updateFeaturesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureIdentifierWithCountDataType	0..*	Required. See featuresListType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each feature to be modified in the feature bundle or product: • REPLACE • ADD • DELETE

Complex Type: updateHostTypeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostType	hostTypePKType	0..*	See hostTypePKType.
opType	CollectionOperationType	1..1	See CollectionOperationType.

Complex Type: updateLicenseModelsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
licenseModelIdentifiers	licenseModelIdentifierType	1..*	Required. See licenseModelIdentifierType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each part number to be modified in the product: • REPLACE • ADD • DELETE

Complex Type: updateMaintenanceDataType

Description

The **maintenanceIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceIdentifier	maintenanceIdentifierType	1..1	Required. See maintenanceIdentifierType.
name	string	0..1	Only need to specify if modifying value. The name of the maintenance product.
version	string	0..1	Only need to specify if modifying value. Version of maintenance product.
description	string	0..1	Only need to specify if modifying value. Describe what makes this maintenance product unique.
allowUpgrades	boolean	0..1	Are upgrades allowed for this maintenance?
allowUpsells	boolean	0..1	Are upsells allowed for this maintenance?
allowRenewals	boolean	0..1	Are renewals allowed for this maintenance?
partNumbers	updatePartNumbersSimpleListType	0..1	Only need to specify if modifying value. See updatePartNumbersSimpleListType.

Complex Type: updateMaintenanceRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	updateMaintenanceDataType	1..*	Required. An **updateMaintenanceRequest** contains an array of **maintenance** elements to be modified. See updateMaintenanceDataType.

Referenced By

Name	Type
updateMaintenanceRequest	Element
updateMaintenance	Method

Complex Type: updateMaintenanceResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not modified is listed in the failedData element. See failedUpdateMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateMaintenanceResponse	Element

Complex Type: updatePartNumbersListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberIdentifierWithModelType	0..*	Required. See partNumberIdentifierWithModelType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each part number to be modified in the product: • REPLACE • ADD • DELETE

Complex Type: updatePartNumbersSimpleListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	partNumberIdentifierType	0..*	Required. See partNumberIdentifierType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each part number mapping to be modified in the product: • REPLACE • ADD • DELETE

Complex Type: updateProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.
name	string	0..1	Only need to specify if modifying value. The name of the product.
version	string	0..1	Only need to specify if modifying value. Version of product.
description	string	0..1	Only need to specify if modifying value. Describe what makes this product unique.
licenseGenerator	licenseGeneratorIdentifierType	0..1	Only need to specify if modifying value. See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	Only need to specify if modifying value. See packagePropertiesDataType.
features	updateFeaturesListType	0..1	Only need to specify if modifying value. See updateFeaturesListType.
featureBundles	updateFeatureBundlesListType	0..1	Only need to specify if modifying value. See updateFeatureBundlesListType.
partNumbers	updatePartNumbersListType	0..1	Only need to specify if modifying value. See updatePartNumbersListType.
licenseModels	updateLicenseModelsListType	0..1	Only need to specify if modifying value. See updateLicenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	Only need to specify if modifying value. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	Only need to specify if modifying value. See trustedKeyIdentifierType.
hostType	hostTypePKType	0..1	If no hostType is set for a FlexNet product, the default certificate or trusted host host type is used. Required if a host type is defined on a custom license technology. See hostTypePKType.
hostTypes	updateHostTypeListType	0..1	A collection of one or more hostTypePKType elements. Use hostTypes to assign multiple hosts. See updateHostTypeListType.
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology product that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a product is deployed. If it is changed from false to true, a hostType must be set

Content Model

Component	Type	Occurs	Description
productCategory	string	0..1	Optional. Sets the product category for this product. If you do not set a category or if you set an empty or nonexistent category, FlexNet Operations automatically assigns the product to the default Uncategorized Products category without an error.
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfilment records.
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
startDate	date	0..1	Only used for automatic upgrade jobs, the **startDate** value defines the beginning of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor bulk operations. **startDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.
endDate	date	0..1	Only used for automatic upgrade jobs, the **endDate** value defines the ending of a date range for which this product qualifies as an upgrade-to product, based on the upgrade relationships as defined when the upgrade job runs. The date range defined by **startDate** and **endDate** has no impact on manually generated upgrades nor bulk operations. **endDate** is only available for products; it is not available for maintenance products nor for product suites. Note: This attribute is available in ProductPackagingService v1 and later.

Content Model

Component	Type	Occurs	Description
upgradeEmailTemplateVarName	string	0..1	Only used for automatic upgrade jobs, the **upgradeEmailTemplateVarName** specifies the variation of the Product Upgrade Job Email template to use when FlexNet Operations automatically creates upgrade lines as a result of running the Product Version Upgrade job. (This value sets the template variation used for email messages sent to end users as a result of the Product Version Upgrade job.) • The **upgradeEmailTemplateVarName** value can be empty, **DEFAULT**, **None**, or the name of an active variation of the Product Upgrade Job Email template. • Empty (no value specified) and **DEFAULT** cause FlexNet Operations to use the default variation of the Product Upgrade Job Email template for automatic upgrades to this product. • **None** prevents FlexNet Operations from sending email messages for automatic upgrades to this product. • A specified variation name uses the named variation of the Product Upgrade Job Email template for automatic upgrades to this product. (Only active variations of the Product Upgrade Job Email template are available for use. Draft variations are not used.) **Note:** This attribute is available in ProductPackagingService v1 and later.

Complex Type: updateProductRelationshipDataType

Derived By

Extending productRelationshipDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productToRelate	productIdentifierType	1..1	Required. See productIdentifierType.

Content Model

Component	Type	Occurs	Description
relatedProduct	productIdentifierType	1..1	Required. See productIdentifierType.
relation	relationshipType	1..1	Required. Select one of the following that describes how the **productToRelate** is related to the **relatedProduct**. For example, the product to relate is a demo of the related product. • RELATION_UNDEFINED • PRODUCTION_VERSION_OF • DEMO_OF • UPGRADE_FROM • UPGRADE_TO • UPSELL_FROM • UPSELL_TO • IS_MAINTENANCE • HAS_MAINTENANCE
newRelation	relationshipType	1..1	Required. Select one of the following that describes how the **productToRelate** is related to the **relatedProduct**. For example, the product to relate is a demo of the related product. • RELATION_UNDEFINED • PRODUCTION_VERSION_OF • DEMO_OF • UPGRADE_FROM • UPGRADE_TO • UPSELL_FROM • UPSELL_TO • IS_MAINTENANCE • HAS_MAINTENANCE

Complex Type: updateProductRelationshipRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	updateProductRelationshipDataType	1..*	Required. An **updateProductRelationshipRequest** contains an array of **relationship** elements to be modified. See updateProductRelationshipDataType.

Referenced By

Name	Type
updateProductRelationshipRequest	Element
updateProductRelationship	Method

Complex Type: updateProductRelationshipResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not modified is listed in the failedData element. See failedUpdateProductRelationshipDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateProductRelationshipResponse	Element

Complex Type: updateProductRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	updateProductDataType	1..*	Required. An **updateProductRequest** contains an array of **product** elements to be modified. See updateProductDataType.

Referenced By

Name	Type
updateProductRequest	Element
updateProduct	Method

Complex Type: updateProductResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateProductDataListType</td><td>0..1</td><td>Information about the products that were not modified is listed in the failedData element. See failedUpdateProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateProductResponse	Element

Complex Type: updateProductsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierWithCountDataType	1..*	Required. See productIdentifierWithCountDataType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each feature bundle to be modified in the product: • REPLACE • ADD • DELETE

Complex Type: updateUniformSuiteDataType

Description

The **suiteIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suiteIdentifier	suiteIdentifierType	1..1	Required. See suiteIdentifierType.
name	string	0..1	Only need to specify if modifying value. The name of the suite.
version	string	0..1	Only need to specify if modifying value. Version of suite.
description	string	0..1	Only need to specify if modifying value. Describe what makes this suite unique.
licenseGenerator	licenseGeneratorIdentifierType	0..1	Only need to specify if modifying value. See licenseGeneratorIdentifierType.
packageProperties	packagePropertiesDataType	0..1	Only need to specify if modifying value. See packagePropertiesDataType.
products	updateProductsListType	0..1	Only need to specify if modifying value. See updateProductsListType.

Content Model

Component	Type	Occurs	Description
licenseModels	updateLicenseModelsListType	0..1	Only need to specify if modifying value. See updateLicenseModelsListType.
trustedKey	trustedKeyIdentifierType	0..1	Only need to specify if modifying value. See trustedKeyIdentifierType.
virtualTrustedKey	trustedKeyIdentifierType	0..1	Only need to specify if modifying value. See trustedKeyIdentifierType.
partNumbers	updatePartNumbersListType	0..1	Only need to specify if modifying value. See updatePartNumbersListType.
hostType	hostTypePKType	0..1	If no hostType is set for a FlexNet suite, the default certificate or trusted host host type is used. Required if a host type is defined on a custom license technology. See hostTypePKType.
hostTypes	updateHostTypeListType	0..1	A collection of one or more hostTypePKType elements. Use hostTypes to assign multiple hosts. See updateHostTypeListType.
usedOnDevice	boolean	0..1	Used to signify a FlexNet license technology suite that can be used on a device licensed using FNE. If set to true, a hostType appropriate to a device must be explicitly set. usedOnDevice can be changed after a suite is deployed. If it is changed from false to true, a hostType must be set.
customAttributes	attributeDescriptorDataType	0..1	A collection of license model or custom attributes. See attributeDescriptorDataType.
allowDownloadObsoleteFrInAdmin	boolean	0..1	If true, allows administrative console users to download obsolete fulfillment records.
allowDownloadObsoleteFrInPortal	boolean	0..1	If true, allows self-service portal users to download obsolete fulfilment records.
productAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: updateUniformSuiteRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
uniformSuite	updateUniformSuiteDataType	1..*	Required. An **updateUniformSuiteRequest** contains an array of **uniformSuite** elements to be modified. See updateUniformSuiteDataType.

Referenced By

Name	Type
updateUniformSuiteRequest	Element
updateUniformSuite	Method

Complex Type: updateUniformSuiteResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not modified is listed in the failedData element. See failedUpdateUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUniformSuiteResponse	Element

Complex Type: userIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database ID of the user.
userName	string	0..1	User's FlexNet Operations login name.
primaryKeys	userPKType	0..1	See userPKType.

Complex Type: userPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	User's first name.
lastName	string	1..1	User's last name.
emailAddress	string	1..1	User's email address.
phoneNumber	string	0..1	Optional. User's phone number.

Complex Type: versionDateAttributesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
versionOption	VersionDateOptionType	1..1	See VersionDateOptionType.
duration	DurationType	0..1	See DurationType.

Simple Types: ProductPackagingService

Simple Types

Name
CollectionOperationType
VersionDateOptionType

Simple Type: CollectionOperationType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
REPLACE	
ADD	
DELETE	

Simple Type: VersionDateOptionType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
DEFINE_NOW	
USE_START_DATE	
USE_ACTIVATION_DATE	
DEFINE_VERSION_STARTDATE_LATER	
DEFINE_VERSION_DATE_LATER	

Elements: ProductPackagingService

Elements

Name	Description
assignProductCategoriesToOrgRequest	An **assignProductCategoriesToOrgRequest** message contains an element of handleProductCategoryToOrgRequestType.
assignProductCategoriesToOrgResponse	An **assignProductCategoriesToOrgResponse** message contains an element of handleProductCategoryToOrgResponseType. Assigning each product category either succeeds or fails. No specific information is returned about categories.
assignProductCategoriesToUserRequest	An **assignProductCategoriesToUserRequest** message contains an element of handleProductCategoriesToUserRequestType.
assignProductCategoriesToUserResponse	An **assignProductCategoriesToUserResponse** message contains an element of handleProductCategoriesToUserResponseType. Assigning each product category either succeeds or fails. No specific information is returned about categories.
createFeatureBundleRequest	A **createFeatureBundleRequest** message contains an element of createFeatureBundleRequestType.
createFeatureBundleResponse	A **createFeatureBundleResponse** message contains an element of createFeatureBundleResponseType. Each feature bundle in the **createFeatureBundleRequest** is added as an atomic unit; adding each either succeeds or fails.
createFeatureRequest	A **createFeatureRequest** message contains an element of createFeatureRequestType.
createFeatureResponse	A **createFeatureResponse** message contains an element of createFeatureResponseType.
createMaintenanceRequest	A **createMaintenanceRequest** message contains an element of createMaintenanceRequestType.
createMaintenanceResponse	A **createMaintenanceResponse** message contains an element of createMaintenanceResponseType.
createOrganizationRequest	A **createOrganizationRequest** message contains an element of createOrganizationRequestType.
createOrganizationResponse	A **createOrganizationResponse** message contains an element of createOrganizationResponseType. Each organization in the **createOrganizationRequest** is added as an atomic unit; adding each either succeeds or fails.
createPartNumberRequest	A **createPartNumberRequest** message contains an element of createPartNumberRequestType.
createPartNumberResponse	A **createPartNumberResponse** message contains an element of createPartNumberResponseType. Each part number in the **createPartNumberRequest** is added as an atomic unit; adding each either succeeds or fails.
createProductCategoryRequest	A **createProductCategoryRequest** message contains an element of createProductCategoryRequestType.
createProductCategoryResponse	A **createProductCategoryResponse** message contains an element of createProductCategoryResponseType.
createProductRelationshipRequest	A **createProductRelationshipRequest** message contains an element of createProductRelationshipRequestType.

Elements

Name	Description
createProductRelationshipResponse	A **createProductRelationshipResponse** message contains an element of createProductRelationshipResponseType. Each relationship in the **createProductRelationshipRequest** is added as an atomic unit; adding each either succeeds or fails
createProductRequest	A **createProductRequest** message contains an element of createProductRequestType.
createProductResponse	A **createProductResponse** message contains an element of createProductResponseType. Each product in the **createProductRequest** is added as an atomic unit; adding each either succeeds or fails.
createUniformSuiteRequest	A **createUniformSuiteRequest** message contains an element of createUniformSuiteRequestType.
createUniformSuiteResponse	A **createUniformSuiteResponse** message contains an element of createUniformSuiteResponseType. Each suite in the **createUniformSuiteRequest** is added as an atomic unit; adding each either succeeds or fails.
deleteFeatureBundleRequest	A **deleteFeatureBundleRequest** message contains an element of deleteFeatureBundleRequestType.
deleteFeatureBundleResponse	A **deleteFeatureBundleResponse** message contains an element of deleteFeatureBundleResponseType. Each feature bundle in the **deleteFeatureBundleRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about feature bundles that were deleted successfully.
deleteFeatureRequest	A **deleteFeatureRequest** message contains an element of deleteFeatureRequestType.
deleteFeatureResponse	A **deleteFeatureResponse** message contains an element of deleteFeatureResponseType. Each feature in the **deleteFeatureRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about features that were deleted successfully.
deleteMaintenanceRequest	A **deleteMaintenanceRequest** message contains an element of deleteMaintenanceRequestType.
deleteMaintenanceResponse	A **deleteMaintenanceResponse** message contains an element of deleteMaintenanceResponseType. Each maintenance product in the **deleteMaintenanceRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about maintenance products that were deleted successfully.
deletePartNumberRequest	A **deletePartNumberRequest** message contains an element of deletePartNumberRequestType.
deletePartNumberResponse	A **deletePartNumberResponse** message contains an element of deletePartNumberResponseType. Each part number in the **deletePartNumberRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about part numbers that were deleted successfully.
deleteProductRelationshipRequest	A **deleteProductRelationshipRequest** message contains an element of deleteProductRelationshipRequestType.

Elements

Name	Description
deleteProductRelationshipResponse	A **deleteProductRelationshipResponse** message contains an element of deleteProductRelationshipResponseType. Each relationship in the **deleteProductRelationshipRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about relationships that were deleted successfully
deleteProductRequest	A **deleteProductRequest** message contains an element of deleteProductRequestType.
deleteProductResponse	A **deleteProductResponse** message contains an element of deleteProductResponseType. Each product in the **deleteProductRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about products that were deleted successfully.
deleteUniformSuiteRequest	A **deleteUniformSuiteRequest** message contains an element of deleteUniformSuiteRequestType.
deleteUniformSuiteResponse	A **deleteUniformSuiteResponse** message contains an element of deleteUniformSuiteResponseType. Each suite in the **deleteUniformSuiteRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about suites that were deleted successfully.
getFeatureBundleCountRequest	A **getFeatureBundleCountRequest** message contains an element of getFeatureBundleCountRequestType.
getFeatureBundleCountResponse	A **getFeatureBundleCountResponse** message contains an element of getFeatureBundleCountResponseType.
getFeatureBundlesQueryRequest	A **getFeatureBundlesQueryRequest** message contains an element of getFeatureBundlesQueryRequestType.
getFeatureBundlesQueryResponse	A **getFeatureBundlesQueryResponse** message contains an element of getFeatureBundlesQueryResponseType.
getFeatureCountRequest	A **getFeatureCountRequest** message contains an element of getFeatureCountRequestType.
getFeatureCountResponse	A **getFeatureCountResponse** message contains an element of getFeatureCountResponseType.
getFeaturesQueryRequest	A **getFeaturesQueryRequest** message contains an element of getFeaturesQueryRequestType.
getFeaturesQueryResponse	A **getFeaturesQueryResponse** message contains an element of getFeaturesQueryResponseType.
getLicenseTechnologyQueryRequest	A **getLicenseTechnologyQueryRequest** message contains an element of getLicenseTechnologyQueryRequestType.
getLicenseTechnologyQueryResponse	A **getLicenseTechnologyQueryResponse** message contains an element of getLicenseTechnologyQueryResponseType.
getMaintenanceCountRequest	A **getMaintenanceCountRequest** message contains an element of getMaintenanceCountRequestType.
getMaintenanceCountResponse	A **getMaintenanceCountResponse** message contains an element of getMaintenanceCountResponseType.
getMaintenanceQueryRequest	A **getMaintenanceQueryRequest** message contains an element of getMaintenanceQueryRequestType.

Elements

Name	Description
getMaintenanceQueryResponse	A **getMaintenanceQueryResponse** message contains an element of getMaintenanceQueryResponseType.
getModelIdentifiersRequest	A **getModelIdentifiersRequest** message contains an element of getModelIdentifiersRequestType.
getModelIdentifiersResponse	A **getModelIdentifiersResponse** message contains an element of getModelIdentifiersResponseType.
getPartNumberCountRequest	A **getPartNumberCountRequest** message contains an element of getPartNumberCountRequestType.
getPartNumberCountResponse	A **getPartNumberCountResponse** message contains an element of getPartNumberCountResponseType.
getPartNumbersQueryRequest	A **getPartNumbersQueryRequest** message contains an element of getPartNumbersQueryRequestType.
getPartNumbersQueryResponse	A **getPartNumbersQueryResponse** message contains an element of getPartNumbersQueryResponseType.
getProductCategoriesRequest	A **getProductCategoriesRequest** message contains an element of getProductCategoriesRequestType.
getProductCategoriesResponse	A **getProductCategoriesResponse** message contains an element of getProductCategoriesResponseType.
getProductCountRequest	A **getProductCountRequest** message contains an element of getProductCountRequestType.
getProductCountResponse	A **getProductCountResponse** message contains an element of getProductCountResponseType.
getProductRelationshipsRequest	A **getProductRelationshipsRequest** message contains an element of getProductRelationshipsRequestType.
getProductRelationshipsResponse	A **getProductRelationshipsResponse** message contains an element of getProductRelationshipsResponseType.
getProductsQueryRequest	A **getProductsQueryRequest** message contains an element of getProductsQueryRequestType.
getProductsQueryResponse	A **getProductsQueryResponse** message contains an element of getProductsQueryResponseType.
getTransactionKeyIdentifiersRequest	A **getTransactionKeyIdentifiersRequest** message contains an element of getTransactionKeyIdentifiersRequestType.
getTransactionKeyIdentifiersResponse	A **getTransactionKeyIdentifiersResponse** message contains an element of getTransactionKeyIdentifiersResponseType.
getUniformSuiteCountRequest	A **getUniformSuiteCountRequest** message contains an element of getUniformSuiteCountRequestType.
getUniformSuiteCountResponse	A **getUniformSuiteCountResponse** message contains an element of getUniformSuiteCountResponseType.
getUniformSuitesQueryRequest	A **getUniformSuitesQueryRequest** message contains an element of getUniformSuitesQueryRequestType.
getUniformSuitesQueryResponse	A **getUniformSuitesQueryResponse** message contains an element of getUniformSuitesQueryResponseType.
getUsersForProductCategoryRequest	A **getUsersForProductCategoryRequest** message contains an element of getUsersForProductCategoryRequestType.

Elements

Name	Description
getUsersForProductCategoryResponse	A **getUsersForProductCategoryResponse** message contains an element of getUsersForProductCategoryResponseType.
removeProductCategoriesFromOrgRequest	A **removeProductCategoriesFromOrgRequest** message contains an element of handleProductCategoryToOrgRequestType.
removeProductCategoriesFromOrgResponse	A **removeProductCategoriesFromOrgResponse** message contains an element of handleProductCategoryToOrgResponseType. Removing each product category either succeeds or fails. No specific information is returned about categories.
removeProductCategoriesFromUserRequest	A **removeProductCategoriesFromUserRequest** message contains an element of handleProductCategoriesToUserRequestType.
removeProductCategoriesFromUserResponse	A **removeProductCategoriesFromUserResponse** message contains an element of handleProductCategoriesToUserResponseType.
setFeatureBundleStateRequest	A **setFeatureBundleStateRequest** message contains an element of setFeatureBundleStateRequestType.
setFeatureBundleStateResponse	A **setFeatureBundleStateResponse** message contains an element of setFeatureBundleStateResponseType.
setFeatureStateRequest	A **setFeatureStateRequest** message contains an element of setFeatureStateRequestType.
setFeatureStateResponse	A **setFeatureStateResponse** message contains an element of setFeatureStateResponseType.
setMaintenanceStateRequest	A **setMaintenanceStateRequest** message contains an element of setMaintenanceStateRequestType.
setMaintenanceStateResponse	A **setMaintenanceStateResponse** message contains an element of setMaintenanceStateResponseType.
setProductStateRequest	A **setProductStateRequest** message contains an element of setProductStateRequestType.
setProductStateResponse	A **setProductStateResponse** message contains an element of setProductStateResponseType.
setUniformSuiteStateRequest	A **setUniformSuiteStateRequest** message contains an element of setUniformSuiteStateRequestType.
setUniformSuiteStateResponse	A **setUniformSuiteStateResponse** message contains an element of setUniformSuiteStateResponseType.
updateFeatureBundleRequest	An **updateFeatureBundleRequest** message contains an element of updateFeatureBundleRequestType.
updateFeatureBundleResponse	An **updateFeatureBundleResponse** message contains an element of updateFeatureBundleResponseType. Each feature bundle in the **updateFeatureBundleRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about feature bundles that were modified successfully.
updateFeatureRequest	An **updateFeatureRequest** message contains an element of updateFeatureRequestType.
updateFeatureResponse	An **updateFeatureRequest** message contains an element of updateFeatureRequestType.
updateMaintenanceRequest	An **updateMaintenanceRequest** message contains an element of updateMaintenanceRequestType.

Elements

Name	Description
updateMaintenanceResponse	An **updateMaintenanceResponse** message contains an element of updateMaintenanceResponseType. Each maintenance product in the **updateMaintenanceRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about maintenance products that were modified successfully.
updateProductRelationshipRequest	An **updateProductRelationshipRequest** message contains an element of updateProductRelationshipRequestType.
updateProductRelationshipResponse	An **updateProductRelationshipResponse** message contains an element of updateProductRelationshipResponseType. Each relationship in the **updateProductRelationshipRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about relationships that were modified successfully
updateProductRequest	An **updateProductRequest** message contains an element of updateProductRequestType.
updateProductResponse	An **updateProductResponse** message contains an element of updateProductResponseType. Each product in the **updateProductRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about products that were modified successfully.
updateUniformSuiteRequest	An **updateUniformSuiteRequest** message contains an element of updateUniformSuiteRequestType.
updateUniformSuiteResponse	An **updateUniformSuiteResponse** message contains an element of updateUniformSuiteResponseType. Each suite in the **updateUniformSuiteRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about suites that were modified successfully.

Element: assignProductCategoriesToOrgRequest

Description

An **assignProductCategoriesToOrgRequest** message contains an element of handleProductCategoryToOrgRequestType.

Derived By

Type handleProductCategoryToOrgRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
org	organizationIdentifierType	1..1	See organizationIdentifierType.

Content Model

Component	Type	Occurs	Description
productCategory	productCategoryDataType	1..*	An array of **productCategory** elements. See productCategoryDataType.

Referenced By

Name	Type
assignProductCategoriesToOrg	Method

XML Example

The following XML fragment illustrates an **assignProductCategoriesToOrgRequest** message:

```
<assignProductCategoriesToOrgRequest>
  <org>
    <primaryKeys>
      <name>PCPORG</name>
    </primaryKeys>
  </org>
  <productCategory>
    <name>CRM</name>
  </productCategory>
</assignProductCategoriesToOrgRequest
```

Element: assignProductCategoriesToOrgResponse

Description

An **assignProductCategoriesToOrgResponse** message contains an element of handleProductCategoryToOrgResponseType.

Assigning each product category either succeeds or fails. No specific information is returned about categories.

Derived By

Type handleProductCategoryToOrgResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
assignProductCategoriesToOrg	Method

XML Example

The following XML fragment illustrates a successful **assignProductCategoriesToOrgResponse** message:

```
<assignProductCategoriesToOrgResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</assignProductCategoriesToOrgResponse>
```

Element: assignProductCategoriesToUserRequest

Description

An **assignProductCategoriesToUserRequest** message contains an element of handleProductCategoriesToUserRequestType.

Derived By

Type handleProductCategoriesToUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..1	See userIdentifierType.
productCategory	productCategoryDataType	1..*	An array of productCategory elements. See productCategoryDataType.

Referenced By

Name	Type
assignProductCategoriesToUser	Method

XML Example

The following XML fragment illustrates an **assignProductCategoriesToUserRequest** message:

```
<assignProductCategoriesToUserRequest>
  <user>
    <primaryKeys>
      <firstName>John</firstName>
      <lastName>Smith</lastName>
      <emailAddress>jsmith@example.com</emailAddress>
      <phoneNumber>408-123-4567</phoneNumber>
    </primaryKeys>
  </user>
  <!--one or more product categories-->
  <productCategory>
    <name>CRM</name>
  </productCategory>
</assignProductCategoriesToUserRequest>
```

Element: assignProductCategoriesToUserResponse

Description

An **assignProductCategoriesToUserResponse** message contains an element of handleProductCategoriesToUserResponseType.

Assigning each product category either succeeds or fails. No specific information is returned about categories.

Derived By

Type handleProductCategoriesToUserResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All categories in the request were processed. • PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE. • FAILURE—None of the categories in the request were processed.
reason	string	Gives a reason for partial failure or failure.

Referenced By

Name	Type
assignProductCategoriesToUser	Method

XML Example

The following XML fragment illustrates a sucessful **assignProductCategoriesToUserResponse** message:

XML Example

```
<assignProductCategoriesToUserResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</assignProductCategoriesToUserResponse>
```

Element: createFeatureBundleRequest

Description

A **createFeatureBundleRequest** message contains an element of createFeatureBundleRequestType.

Derived By

Type createFeatureBundleRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	createFeatureBundleDataType	1..*	Required. A **createFeatureBundleRequest** contains an array of **featureBundle** elements to be added. See createFeatureBundleDataType.

Referenced By

Name	Type
createFeatureBundle	Method

XML Example

The following XML fragment illustrates a **createFeatureBundleRequest** message:

```
<createFeatureBundleRequest>
  <featureBundle>
    <name>FB_basic_count10</name>
    <description>Basic with count of 10</description>
    <features>
      <feature>
        <featureIdentifier>
          <primaryKeys>
            <name>Feature_add1</name>
            <version>1.0</version>
          </primaryKeys>
        </featureIdentifier>
        <count>10</count>
      </feature>
      <feature>
        <featureIdentifier>
```

XML Example

```
            <primaryKeys>
              <name>Feature_add2</name>
              <version>1.0</version>
            </primaryKeys>
          </featureIdentifier>
          <count>10</count>
        </feature>
      </features>
    </featureBundle>
  </createFeatureBundleRequest>
```

Element: createFeatureBundleResponse

Description

A **createFeatureBundleResponse** message contains an element of createFeatureBundleResponseType.

Each feature bundle in the **createFeatureBundleRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createFeatureBundleResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were not added is listed in the failedData element. See failedFeatureBundleDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were added is listed in the responseData element. See createdFeatureBundleDataListType.</td></tr>
</table>

Referenced By

Name	Type
createFeatureBundle	Method

XML Example

The following XML fragment illustrates a successful **createFeatureBundleResponse** message:

XML Example

```
<createFeatureBundleResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdFeatureBundle>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100236</uniqueId>
    </createdFeatureBundle>
  </responseData>
</createFeatureBundleResponse>
```

Element: createFeatureRequest

Description

A **createFeatureRequest** message contains an element of createFeatureRequestType.

Derived By

Type createFeatureRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureDataType	1..*	Required. A **createFeatureRequest** contains an array of **feature** elements to be added. See featureDataType.

Referenced By

Name	Type
createFeature	Method

XML Example

The following XML fragment illustrates a **createFeatureRequest** message:

```
<createFeatureRequest>
  <feature>
    <featureName>Feature_add1</featureName>
    <versionFormat>FIXED</versionFormat>
    <version>1.0</version>
    <description>Feature_add1 desc</description>
  </feature>
  <feature>
    <featureName>Feature_add2</featureName>
    <versionFormat>FIXED</versionFormat>
```

XML Example

```
    <version>1.0</version>
    <description>Feature_add2 desc</description>
  </feature>
  <feature>
    <featureName>Feature_toUpdate</featureName>
    <versionFormat>DATE_BASED</versionFormat>
    <version></version>
    <description>Feature_toUpdate desc</description>
  </feature>
  <feature>
    <featureName>Feature_withOverrides</featureName>
    <versionFormat>FIXED</versionFormat>
    <version>1.0</version>
    <description>Feature_withOverrides desc</description>
    <featureOverrideParams>
      <vendorString>New vendor string</vendorString>
      <dupGroup>
        <dupGroupOption>GROUPMASK</dupGroupOption>
        <groupMask>
          <option>HOST</option>
          <option>DISPLAY</option>
        </groupMask>
      </dupGroup>
    </featureOverrideParams>
  </feature>
</createFeatureRequest>
```

Element: createFeatureResponse

Description

A **createFeatureResponse** message contains an element of createFeatureResponseType.

Derived By

Type [createFeatureResponseType]

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the requestwere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureDataListType</td><td>0..1</td><td>Information about the features that were not added is listed in the failedData element. See failedFeatureDataListType.</td></tr>
<tr><td>responseData</td><td>createdFeatureDataListType</td><td>0..1</td><td>Information about the features that were added is listed in the responseData element. See createdFeatureDataListType.</td></tr>
</table>

Referenced By

Name	Type
createFeature	Method

XML Example

The following XML fragment illustrates a partial-failure **createFeatureResponse** message:

```
<createFeatureResponse>
  <statusInfo>
```

XML Example

```
      <status>PARTIAL_FAILURE</status>
      <reason>Partial failure of input data. 1 records failed.
         Please check the specific reasons in returned data.</reason>
    </statusInfo>
    <failedData>
      <failedFeature>
        <feature>
          <featureName>Feature 3</featureName>
          <versionFormat>FIXED</versionFormat>
          <version>1.0</version>
          <description>Feature 3 desc</description
        </feature>
        <reason>The feature name is invalid; it must contain only ASCII
         letters, numbers, or _ (underscore) with no whitespace
         # 0539-341R</reason>
      </failedFeature>
    </failedData>
    <responseData>
      <createdFeature>
        <recordRefNo>1</recordRefNo>
        <uniqueId>HID-100000</uniqueId>
      </createdFeature>
      <createdFeature>
        <recordRefNo>2</recordRefNo>
        <uniqueId>HID-100001</uniqueId>
      </createdFeature>
    </responseData>
  </createFeatureResponse>
```

Element: createMaintenanceRequest

Description

A **createMaintenanceRequest** message contains an element of createMaintenanceRequestType.

Derived By

Type createMaintenanceRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	createMaintenanceDataType	1..*	Required. A **createMaintenanceRequest** contains an array of **maintenance** elements to be added. See createMaintenanceDataType.

Referenced By

Name	Type
createMaintenance	Method

XML Example

The following XML fragment illustrates a **createMaintenanceRequest** message:

```
<createMaintenanceRequest>
  <maintenance>
    <maintenanceName>Maint_basic</maintenanceName>
    <version>1.0</version>
    <description>Maint_basic desc</description>
  </maintenance>
</createMaintenanceRequest>
```

Element: createMaintenanceResponse

Description

A **createMaintenanceResponse** message contains an element of createMaintenanceResponseType.

Derived By

Type createMaintenanceResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Status Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never retur PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not added is listed in the failedData element. See failedMaintenanceDataListType.</td></tr>
<tr><td>responseData</td><td>createdMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were added is listed in the responseData element. See createdMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
createMaintenance	Method

XML Example

The following XML fragment illustrates a successful **createMaintenanceResponse** message:

XML Example

```
<createMaintenanceResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdMaintenance>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-20102</uniqueId>
    </createdMaintenance>
  </responseData>
</createMaintenanceResponse>
```

Element: createOrganizationRequest

Description

A **createOrganizationRequest** message contains an element of createOrganizationRequestType.

Derived By

Type createOrganizationRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationBasicDataType	1..*	Required. A **createOrganizationRequest** contains an array of **organization** elements to be added. See organizationBasicDataType.

Referenced By

Name	Type
createOrganization	Method

XML Example

The following XML fragment illustrates a **createOrganizationRequest** message:

```
<createOrganizationRequest>
  <organization>
    <orgUnitId>SENTRY</orgUnitId>
    <displayName>Sentry Software Company</displayName>
  </organization>
</createOrganizationRequest>
```

Element: createOrganizationResponse

Description

A **createOrganizationResponse** message contains an element of createOrganizationResponseType.

Each organization in the **createOrganizationRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createOrganizationResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All organizations in the request were processed.
PARTIAL_FAILURE—Some, but not all organizations in the request were processed.
FAILURE—None of the organizations in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createdOrgDataListType</td><td>0..1</td><td>Information about the organizations that were added is listed in the responseData element. See createdOrgDataListType.</td></tr>
<tr><td>failedData</td><td>failedOrgDataListType</td><td>0..1</td><td>Information about the organizations that were not added is listed in the failedData element. See failedOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
createOrganization	Method

XML Example

The following XML fragment illustrates a successful **createOrganizationResponse** message:

```
<createOrganizationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdOrganization>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100263</uniqueId>
    </createdOrganization>
  </responseData>
</createOrganizationResponse>
```

Element: createPartNumberRequest

Description

A **createPartNumberRequest** message contains an element of createPartNumberRequestType.

Derived By

Type createPartNumberRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	createPartNumberDataType	1..*	Required. A **createPartNumberRequest** contains an array of **partNumber** elements to be added. See createPartNumberDataType.
processSync	boolean	0..1	Optional. Set to true to create part numbers synchronously, that is, the Web services client will be blocked until the request is completely processed. Use synchronous processing only for creating small numbers of part numbers at a time. By default, part number creation is asynchronous.

Referenced By

Name	Type
createPartNumber	Method

XML Example

The following XML fragment illustrates a **createPartNumberRequest** message:

```
<createPartNumberRequest>
  <partNumber>
    <partId>Part-1</partId>
      <description>part description 1</description>
  </partNumber>
  <partNumber>
    <partId>Part-2</partId>
    <description>part description 2</description>
  </partNumber>
  <processSync>true</processSync>
</createPartNumberRequest>
```

Element: createPartNumberResponse

Description

A **createPartNumberResponse** message contains an element of createPartNumberResponseType.

Each part number in the **createPartNumberRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createPartNumberResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedPartNumberDataListType</td><td>0..1</td><td>Information about the part numbers that were not added is listed in the failedData element. See failedPartNumberDataListType. Not populated for asynchronous requests.</td></tr>
<tr><td>responseData</td><td>createdPartNumberDataListType</td><td>0..1</td><td>Information about the part numbers that were added is listed in the responseData element. See createdPartNumberDataListType. Not populated for asynchronous requests.</td></tr>
</table>

Referenced By

Name	Type
createPartNumber	Method

XML Example

The following XML fragment illustrates a successful synchronous **createPartNumberResponse** message:

```
<createPartNumberResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdPartNumber>
      <recordRefNo>0</recordRefNo>
      <uniqueId>HID-20252</uniqueId>
    </createdPartNumber>
    <createdPartNumber>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-20253</uniqueId>
    </createdPartNumber>
  </responseData>
</createPartNumberResponse>
```

Element: createProductCategoryRequest

Description

A **createProductCategoryRequest** message contains an element of createProductCategoryRequestType.

Derived By

Type createProductCategoryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	createProductCategoryDataType	1..*	Required. A **createProductCategoryRequest** contains an array of **productCategory** elements to be added. See createProductCategoryDataType.

Referenced By

Name	Type
createProductCategory	Method

XML Example

The following XML fragment illustrates a **createProductCategoryRequest** message:

```
<createProductCategoryRequest>
  <!--one or more repetitions-->
  <productCategory>
    <name>CRM</name>
    <!--optional-->
    <description>Customer Relationship Management Products</description>
  </productCategory>
</createProductCategoryRequest>
```

Element: createProductCategoryResponse

Description

A **createProductCategoryResponse** message contains an element of createProductCategoryResponseType.

Derived By

Type createProductCategoryResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductCategoryDataListType</td><td>0..1</td><td>Information about the categories that were not added is listed in the failedData element. See failedProductCategoryDataListType</td></tr>
<tr><td>responseData</td><td>createdProductCategoryDataListType</td><td>0..1</td><td>Information about the categories that were added is listed in the responseData element. See createdProductCategoryDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProductCategory	Method

XML Example

The following XML fragment illustrates a successful **createProductCategoryResponse** message:

XML Example

```
<createProductCategoryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdProductCategory>
      <recordRefNo>1</recordRefNo>
      <uniqueId>149420</uniqueId>
    </createdProductCategory>
  </responseData>
</createProductCategoryResponse>
```

The following XML fragment illustrates a failed **createProductCategoryResponse** message:

```
<createProductCategoryResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed. Please check the specific reasons in the returned data</reason>
  </statusInfo>
  <failedData>
    <failedProductCategory>
      <productCategory>
        <name>CRM</name>
        <description>Customer Relationship Management Products</description>
      <productCategory>
      <reason>8251:Cannot create Product Category CRM because there already exists another category with this name. [Incident#
7785-511]</reason>
    </failedProductCategory>
  </failedData>
</createProductCategoryResponse>
```

Element: createProductRelationshipRequest

Description

A **createProductRelationshipRequest** message contains an element of createProductRelationshipRequestType.

Derived By

Type createProductRelationshipRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	productRelationshipDataType	1..*	Required. A createProductRelationshipRequest contains an array of relationship elements to be added. See productRelationshipDataType.

Referenced By

Name	Type
createProductRelationship	Method

XML Example

The following XML fragment illustrates a **createProductRelationshipRequest** message:

```
<createProductRelationshipRequest>
  <relationship>
    <productToRelate>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </productToRelate>
    <relatedProduct>
      <primaryKeys>
        <name>Product_basic</name>
        <version>2.0</version>
      </primaryKeys>
    </relatedProduct>
    <relation>UPGRADE_TO</relation>
  </relationship>
</createProductRelationshipRequest>
```

Element: createProductRelationshipResponse

Description

A **createProductRelationshipResponse** message contains an element of createProductRelationshipResponseType.

Each relationship in the **createProductRelationshipRequest** is added as an atomic unit; adding each either succeeds or fails

Derived By

Type createProductRelationshipResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusInfo</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not added is listed in the failedData element. See failedProductRelationshipDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProductRelationship	Method

XML Example

The following XML fragment illustrates a successful **createProductRelationshipResponse** message:

```
<createProductRelationshipResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</createProductRelationshipResponse>
```

Element: createProductRequest

Description

A **createProductRequest** message contains an element of createProductRequestType.

Derived By

Type createProductRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	createProductDataType	1..*	Required. A createProductRequest contains an array of product elements to be added. See createProductDataType.

Referenced By

Name	Type
createProduct	Method

XML Example

The following XML fragment illustrates a **createProductRequest** message:

```
<createProductRequest>
  <product>
    <productName>Product_basic</productName>
    <version>1.0</version>
    <description>Product_basic description</description>
    <licenseTechnology>
      <primaryKeys>
        <name>FLEXnet Licensing</name>
      </primaryKeys>
    </licenseTechnology>
    <licenseGenerator>
      <primaryKeys>
        <name>demo</name>
      </primaryKeys>
    </licenseGenerator>
    <featureBundles>
      <featureBundle>
        <featureBundleIdentifier>
          <primaryKeys>
            <name>FB_basic_count10</name>
          </primaryKeys>
        </featureBundleIdentifier>
        <count>10</count>
      </featureBundle>
    </featureBundles>
```

XML Example

```
    <licenseModels>
      <licenseModel>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </licenseModel>
      <licenseModel>
        <primaryKeys>
          <name>Nodelocked Uncounted</name>
        </primaryKeys>
      </licenseModel>
      <licenseModel>
        <primaryKeys>
          <name>Retail Activation</name>
        </primaryKeys>
      </licenseModel>
    </licenseModels>
    <trustedKey>
      <primaryKeys>
        <keyName>opsmyTK1</keyName>
      </primaryKeys>
    </trustedKey>
    <virtualTrustedKey>
      <primaryKeys>
        <keyName>opsmyTK2</keyName>
      </primaryKeys>
    </virtualTrustedKey>
  </product>
</createProductRequest>
```

Element: createProductResponse

Description

A **createProductResponse** message contains an element of createProductResponseType.

Each product in the **createProductRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createProductResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductDataListType</td><td>0..1</td><td>Information about the products that were not added is listed in the failedData element. See failedProductDataListType.</td></tr>
<tr><td>responseData</td><td>createdProductDataListType</td><td>0..1</td><td>Information about the products that were added is listed in the responseData element. See createdProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
createProduct	Method

XML Example

The following XML fragment illustrates a successful **createProductResponse** message:

```
<createProductResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdProduct>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100245</uniqueId>
    </createdProduct>
  </responseData>
</createProductResponse>
```

Element: createUniformSuiteRequest

Description

A **createUniformSuiteRequest** message contains an element of createUniformSuiteRequestType.

Derived By

Type createUniformSuiteRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	createUniformSuiteDataType	1..*	Required. A **createUniformSuiteRequest** contains an array of **uniformSuite** elements to be added. See createUniformSuiteDataType.

Referenced By

Name	Type
createUniformSuite	Method

XML Example

The following XML fragment illustrates a **createUniformSuiteRequest** message:

```
<createUniformSuiteRequest>
  <uniformSuite>
    <suiteName>S1</suiteName>
    <version>1.0</version>
    <licenseTechnology>
      <primaryKeys>
        <name>FlexNet Licensing</name>
      </primaryKeys>
    </licenseTechnology>
    <licenseGenerator>
      <primaryKeys>
        <name>demo</name>
```

XML Example

```
      </primaryKeys>
    </licenseGenerator>
    <products>
      <product>
        <productIdentifier>
          <primaryKeys>
            <name>P1</name>
            <version>1.0</version>
          </primaryKeys>
        </productIdentifier>
        <count>3</count>
      </product>
    </products>
    <licenseModels>
      <licenseModel>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </licenseModel>
    </licenseModels>
    <productAttributes>
      <attribute>
        <attributeName>PROD_NUM</attributeName>
        <integerValue>3</integerValue>
      </attribute>
    </productAttributes>
  </uniformSuite>
</createUniformSuiteRequest>
```

Element: createUniformSuiteResponse

Description

A **createUniformSuiteResponse** message contains an element of createUniformSuiteResponseType.

Each suite in the **createUniformSuiteRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createUniformSuiteResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not added is listed in the failedData element. See failedUniformSuiteDataListType.</td></tr>
<tr><td>responseData</td><td>createdUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were added is listed in the responseData element. See createdUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
createUniformSuite	Method

XML Example

The following XML fragment illustrates a successful **createUniformSuiteResponse** message:

```
<createUniformSuiteResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdUniformSuite>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-12</uniqueId>
    </createdUniformSuite>
  </responseData>
</createUniformSuiteResponse>
```

Element: deleteFeatureBundleRequest

Description

A **deleteFeatureBundleRequest** message contains an element of deleteFeatureBundleRequestType.

Derived By

Type deleteFeatureBundleRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	deleteFeatureBundleDataType	1..*	Required. A **deleteFeatureBundleRequest** contains an array of **featureBundle** elements to be deleted. See deleteFeatureBundleDataType.

Referenced By

Name	Type
deleteFeatureBundle	Method

XML Example

The following XML fragment illustrates a **deleteFeatureBundleRequest** message:

```
<deleteFeatureBundleRequest>
  <featureBundle>
    <featureBundleIdentifier>
      <primaryKeys>
        <name>FB_toDelete</name>
      </primaryKeys>
    </featureBundleIdentifier>
  </featureBundle>
</deleteFeatureBundleRequest>
```

Element: deleteFeatureBundleResponse

Description

A **deleteFeatureBundleResponse** message contains an element of deleteFeatureBundleResponseType.

Each feature bundle in the **deleteFeatureBundleRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about feature bundles that were deleted successfully.

Derived By

Type deleteFeatureBundleResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All feature bundles in the request were processed. • PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the feature bundles in the request were processed.
response	string	Gives reason for partial failure or failure.

Content Model

Component	Type	Occurs	Description
failedData	failedDeleteFeatureBundleDataListType	0..1	Information about the feature bundles that were not deleted is listed in the **failedData** element. See failedDeleteFeatureBundleDataListType.

Referenced By

Name	Type
deleteFeatureBundle	Method

XML Example

The following XML fragment illustrates a successful **deleteFeatureBundleResponse** message:

```
<deleteFeatureBundleResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteFeatureBundleResponse>
```

Element: deleteFeatureRequest

Description

A **deleteFeatureRequest** message contains an element of deleteFeatureRequestType.

Derived By

Type deleteFeatureRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	deleteFeatureDataType	1..*	Required. A **deleteFeatureRequest** contains an array of feature elements to be deleted. See deleteFeatureDataType.

Referenced By

Name	Type
deleteFeature	Method

XML Example

The following XML fragment illustrates a **deleteFeatureRequest** message (Feature_toDelete has a fixed version, so version needs to be specified):

```
<deleteFeatureRequest>
  <feature>
    <featureIdentifier>
      <primaryKeys>
        <name>Feature_toDelete</name>
        <version></version>
      </primaryKeys>
    </featureIdentifier>
  </feature>
</deleteFeatureRequest>
```

Element: deleteFeatureResponse

Description

A **deleteFeatureResponse** message contains an element of deleteFeatureResponseType.

Each feature in the **deleteFeatureRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about features that were deleted successfully.

Derived By

Type deleteFeatureResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteFeatureDataListType</td><td>0..1</td><td>Information about the features that were not deleted is listed in the failedData element. See failedDeleteFeatureDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteFeature	Method

XML Example

The following XML fragment illustrates an unsuccessful **deleteFeatureResponse** message (Feature_toDelete has a fixed version, so version needs to be specified):

```
<deleteFeatureResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed. Please check the
          specific reasons in returned data.</reason>
```

XML Example

```
</statusInfo>
<failedData>
  <failedFeature>
    <featureIdentifier>
      <primaryKeys>
        <name>Feature_toDelete</name>
        <version/>
      </primaryKeys>
    </featureIdentifier>
    <reason>Identifier Feature_toDelete is invalid.
          # 4359-767</reason>
    </failedFeature>
  </failedData>
</deleteFeatureResponse>
```

Element: deleteMaintenanceRequest

Description

A **deleteMaintenanceRequest** message contains an element of deleteMaintenanceRequestType.

Derived By

Type deleteMaintenanceRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	deleteMaintenanceDataType	1..*	Required. A **deleteMaintenanceRequest** contains an array of maintenance elements to be deleted. See deleteMaintenanceDataType.

Referenced By

Name	Type
deleteMaintenance	Method

XML Example

The following XML fragment illustrates a **deleteMaintenanceRequest** message:

```
<deleteMaintenanceRequest>
  <maintenance>
    <maintenanceIdentifier>
      <primaryKeys>
        <name>Maintenance1</name>
        <version>1.0</version>
      </primaryKeys>
```

XML Example

```
    </maintenanceIdentifier>
  </maintenance>
</deleteMaintenanceRequest>
```

Element: deleteMaintenanceResponse

Description

A **deleteMaintenanceResponse** message contains an element of deleteMaintenanceResponseType.

Each maintenance product in the **deleteMaintenanceRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about maintenance products that were deleted successfully.

Derived By

Type deleteMaintenanceResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not deleted is listed in the failedData element. See failedDeleteMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteMaintenance	Method

XML Example

The following XML fragment illustrates a successful **deleteMaintenanceResponse** message:

```
<deleteMaintenanceResponse>
  <statusInfo>
    <status>SUCCESS</status>
```

XML Example

```
  </statusInfo>
</deleteMaintenanceResponse>
```

Element: deletePartNumberRequest

Description

A **deletePartNumberRequest** message contains an element of deletePartNumberRequestType.

Derived By

Type deletePartNumberRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partNumber	deletePartNumberDataType	1..*	Required. A **deletePartNumberRequest** contains an array of **partNumber** elements to be deleted. See deletePartNumberDataType.

Referenced By

Name	Type
deletePartNumber	Method

XML Example

The following XML fragment illustrates a **deletePartNumberRequest** message:

```
<deletePartNumberRequest>
  <partNumber>
    <partNumberIdentifier>
      <primaryKeys>
        <partId>part-11</partId>
      </primaryKeys>
    </partNumberIdentifier>
  </partNumber>
</deletePartNumberRequest>
```

Element: deletePartNumberResponse

Description

A **deletePartNumberResponse** message contains an element of deletePartNumberResponseType.

Each part number in the **deletePartNumberRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about part numbers that were deleted successfully.

Derived By

Type deletePartNumberResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeletePartNumberDataListType</td><td>0..1</td><td>Information about the part numbers that were not deleted is listed in the failedData element. See failedDeletePartNumberDataListType.</td></tr>
</table>

Referenced By

Name	Type
deletePartNumber	Method

XML Example

The following XML fragment illustrates a successful **deletePartNumberResponse** message:

```
<deletePartNumberResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deletePartNumberResponse>
```

Element: deleteProductRelationshipRequest

Description

A **deleteProductRelationshipRequest** message contains an element of deleteProductRelationshipRequestType.

Derived By

Type deleteProductRelationshipRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	productRelationshipDataType	1..*	Required. A **deleteProductRelationshipRequest** contains an array of **relationship** elements to be deleted. See productRelationshipDataType.

Referenced By

Name	Type
deleteProductRelationship	Method

XML Example

The following XML fragment illustrates a **deleteProductRelationshipRequest** message:

```
<deleteProductRelationshipRequest>
  <relationship>
    <productToRelate>
      <primaryKeys>
        <name>P11</name>
        <version>1.0</version>
      </primaryKeys>
    </productToRelate>
    <relatedProduct>
      <primaryKeys>
        <name>P10</name>
        <version>1.0</version>
      </primaryKeys>
    </relatedProduct>
    <relation>UPSELL_FROM</relation>
  </relationship>
</deleteProductRelationshipRequest>
```

Element: deleteProductRelationshipResponse

Description

A **deleteProductRelationshipResponse** message contains an element of deleteProductRelationshipResponseType.

Each relationship in the **deleteProductRelationshipRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about relationships that were deleted successfully

Derived By

Type deleteProductRelationshipResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not deleted is listed in the failedData element. See failedProductRelationshipDataListType</td></tr>
</table>

Referenced By

Name	Type
deleteProductRelationship	Method

XML Example

The following XML fragment illustrates a successful **deleteProductRelationshipResponse** message:

```
<deleteProductRelationshipResponse>
  <statusInfo>
    <status>SUCCESS</status>
```

XML Example

```
  </statusInfo>
</deleteProductRelationshipResponse>
```

Element: deleteProductRequest

Description

A **deleteProductRequest** message contains an element of deleteProductRequestType.

Derived By

Type deleteProductRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	deleteProductDataType	1..*	Required. A **deleteProductRequest** contains an array of product elements to be deleted. See deleteProductDataType.

Referenced By

Name	Type
deleteProduct	Method

XML Example

The following XML fragment illustrates a **deleteProductRequest** message:

```
<deleteProductRequest>
  <product>
    <productIdentifier>
      <primaryKeys>
        <name>Product A</name>
        <version>1.0</version>
      </primaryKeys>
    </productIdentifier>
  </product>
</deleteProductRequest>
```

Element: deleteProductResponse

Description

A **deleteProductResponse** message contains an element of deleteProductResponseType.

Each product in the **deleteProductRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about products that were deleted successfully.

Derived By

Type deleteProductResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were rocessed.
PARTIAL_FAILURE—Some, but not all products n the request were processed. The getCount and getQuery operations never return ARTIAL_FAILURE .
FAILURE—None of the products in the request ere processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteProductDataListType</td><td>0..1</td><td>Information about the products that were not deleted is listed in the failedData element. See failedDeleteProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteProduct	Method

XML Example

The following XML fragment illustrates a successful **deleteProductResponse** message:

```
<deleteProductResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteProductResponse>
```

Element: deleteUniformSuiteRequest

Description

A **deleteUniformSuiteRequest** message contains an element of deleteUniformSuiteRequestType.

Derived By

Type deleteUniformSuiteRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	deleteUniformSuiteDataType	1..*	Required. A **deleteUniformSuiteRequest** contains an array of **uniformSuite** elements to be deleted. See deleteUniformSuiteDataType.

Referenced By

Name	Type
deleteUniformSuite	Method

XML Example

The following XML fragment illustrates a **deleteUniformSuiteRequest** message:

```
<deleteUniformSuiteRequest>
  <uniformSuite>
    <suiteIdentifier>
      <primaryKeys>
        <name>S1</name>
```

XML Example

```
            <version>1.0</version>
          </primaryKeys>
        </suiteIdentifier>
      </uniformSuite>
    </deleteUniformSuiteRequest>
```

Element: deleteUniformSuiteResponse

Description

A **deleteUniformSuiteResponse** message contains an element of deleteUniformSuiteResponseType.

Each suite in the **deleteUniformSuiteRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about suites that were deleted successfully.

Derived By

Type deleteUniformSuiteResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not deleted is listed in the failedData element. See failedDeleteUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteUniformSuite	Method

XML Example

The following XML fragment illustrates a successful **deleteUniformSuiteResponse** message:

```
<deleteUniformSuiteResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteUniformSuiteResponse>
```

Element: getFeatureBundleCountRequest

Description

A **getFeatureBundleCountRequest** message contains an element of getFeatureBundleCountRequestType.

Derived By

Type getFeatureBundleCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureBundleQueryParametersType	0..1	Required. See featureBundleQueryParametersType. Leave this element blank to return all feature bundles.

Referenced By

Name	Type
getFeatureBundleCount	Method

XML Example

The following XML fragment illustrates a **getFeatureBundleCountRequest** message:

```
<getFeatureBundleCountRequest>
  <queryParams>
  </queryParams>
</getFeatureBundleCountRequest>
```

Element: getFeatureBundleCountResponse

Description

A **getFeatureBundleCountResponse** message contains an element of getFeatureBundleCountResponseType.

Derived By

Type getFeatureBundleCountResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFeatureBundleCount	Method

XML Example

The following XML fragment illustrates a successful **getFeatureBundleCountResponse** message:

```
<getFeatureBundleCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
```

XML Example

```
  </statusInfo>
  <responseData>
    <count>17</count>
  </responseData>
</getFeatureBundleCountResponse>
```

Element: getFeatureBundlesQueryRequest

Description

A **getFeatureBundlesQueryRequest** message contains an element of getFeatureBundlesQueryRequestType.

Derived By

Type getFeatureBundlesQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureBundleQueryParametersType	0..1	Required. See featureBundleQueryParametersType. Leave this element blank to return all feature bundles.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFeatureBundleCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return an array of **featuresListType** of features that are contained in the feature bundle. See featuresListType.

Referenced By

Name	Type
getFeatureBundlesQuery	Method

XML Example

The following XML fragment illustrates a **getFeatureBundlesQueryRequest** message:

```
<getFeatureBundlesQueryRequest>
  <queryParams>
```

XML Example

```
      <name>
        <value>FB_basic</value>
        <searchType>STARTS_WITH</searchType>
      </name>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>50</batchSize>
    <returnContainedObjects>true</returnContainedObjects>
  </getFeatureBundlesQueryRequest>
```

Element: getFeatureBundlesQueryResponse

Description

A **getFeatureBundlesQueryResponse** message contains an element of getFeatureBundlesQueryResponseType.

Derived By

Type getFeatureBundlesQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFeatureBundlesQueryResponseDataType</td><td>0..1</td><td>See getFeatureBundlesQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getFeatureBundlesQuery	Method

XML Example

The following XML fragment illustrates a successful **getFeatureBundlesQueryResponse** message that returns the contained features:

```
<getFeatureBundlesQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
```

XML Example


```
<responseData>
  <featureBundle>
    <uniqueId>HID-100236</uniqueId>
    <name>FB_basic_count10</name>
    <description>Basic now contains Feature_add3</description>
    <state>DRAFT</state>
    <features>
      <feature>
        <featureIdentifier>
          <uniqueId>HID-100230</uniqueId>
          <primaryKeys>
            <name>Feature_add1</name>
            <version>1.0</version>
          </primaryKeys>
        </featureIdentifier>
        <count>10</count>
      </feature>
      <feature>
        <featureIdentifier>
          <uniqueId>HID-100231</uniqueId>
          <primaryKeys>
            <name>Feature_add2</name>
            <version>1.0</version>
          </primaryKeys>
        </featureIdentifier>
        <count>10</count>
      </feature>
      <feature>
        <featureIdentifier>
          <uniqueId>HID-100237</uniqueId>
          <primaryKeys>
            <name>Feature_add3</name>
            <version>1.0</version>
          </primaryKeys>
        </featureIdentifier>
        <count>10</count>
      </feature>
    </features>
  </featureBundle>
</responseData>
</getFeatureBundlesQueryResponse>
```


Element: getFeatureCountRequest

Description

A **getFeatureCountRequest** message contains an element of getFeatureCountRequestType.

Derived By

Type getFeatureCountRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureQueryParameters Type	0..1	Required. See featureQueryParametersType. Leave this element blank to return all features.

Referenced By

Name	Type
getFeatureCount	Method

XML Example

The following XML fragment illustrates a **getFeatureCountRequest** message:

```
<getFeatureCountRequest>
  <queryParams>
    <featureName>
      <value>Feature_add</value>
      <searchType>STARTS_WITH</searchType>
    </featureName>
    <versionFormat>
      <value>FIXED</value>
      <searchType>EQUALS</searchType>
    </versionFormat>
  </queryParams>
</getFeatureCountRequest>
```

Element: getFeatureCountResponse

Description

A **getFeatureCountResponse** message contains an element of getFeatureCountResponseType.

Derived By

Type getFeatureCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Descripton</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFeatureCount	Method

XML Example

The following XML fragment illustrates a successful **getFeatureCountResponse** message:

```
<getFeatureCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>2</count>
  </responseData>
```

XML Example

```
</getFeatureCountResponse>
```

Element: getFeaturesQueryRequest

Description

A **getFeaturesQueryRequest** message contains an element of getFeaturesQueryRequestType.

Derived By

Type getFeaturesQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	featureQueryParameters Type	0..1	Required. See featureQueryParametersType. Leave this element blank to return all features.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFeatureCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getFeaturesQuery	Method

XML Example

The following XML fragment illustrates a **getFeaturesQueryRequest** message:

```
<getFeaturesQueryRequest>
  <queryParams>
    <featureName>
      <value>Feature_add</value>
      <searchType>STARTS_WITH</searchType>
    </featureName>
    <versionFormat>
      <value>FIXED</value>
      <searchType>EQUALS</searchType>
    </versionFormat>
  </queryParams>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
```

XML Example

```
</getFeaturesQueryRequest>
```

Element: getFeaturesQueryResponse

Description

A **getFeaturesQueryResponse** message contains an element of getFeaturesQueryResponseType.

Derived By

Type getFeaturesQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.
reason	string	Gives reason for partial failure or failure.

Content Model

Component	Type	Occurs	Description
responseData	getFeaturesQueryResponseDataType	0..1	See getFeaturesQueryResponseDataType.

Referenced By

Name	Type
getFeaturesQuery	Method

XML Example

The following XML fragment illustrates a successful **getFeaturesQueryResponse** message:

```
<getFeaturesQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <feature>
      <uniqueId>HID-100231</uniqueId>
      <featureName>Feature_add2</featureName>
      <versionFormat>FIXED</versionFormat>
      <version>1.0</version>
      <description>Feature_add2 desc</description>
      <state>DRAFT</state>
      <featureOverrideParams>
        <dupGroup>
          <dupGroupOption>NO_OVERRIDE</dupGroupOption>
        </dupGroup>
      </featureOverrideParams>
    </feature>
    <feature>
      <uniqueId>HID-100230</uniqueId>
      <featureName>Feature_add1</featureName>
      <versionFormat>FIXED</versionFormat>
      <version>1.0</version>
      <description>Feature_add1 desc</description>
      <state>DRAFT</state>
      <featureOverrideParams>
        <dupGroup>
          <dupGroupOption>NO_OVERRIDE</dupGroupOption>
        </dupGroup>
      </featureOverrideParams>
    </feature>
  </responseData>
</getFeaturesQueryResponse>
```

Element: getLicenseTechnologyQueryRequest

Description

A **getLicenseTechnologyQueryRequest** message contains an element of getLicenseTechnologyQueryRequestType.

Derived By

Type getLicenseTechnologyQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	licenseTechnologyQueryParametersType	0..1	Required. See licenseTechnologyQueryParametersType. Leave this element blank to return all license technologies.

Referenced By

Name	Type
getLicenseTechnologiesQuery	Method

XML Example

The following XML fragment illustrates a **getLicenseTechnologyQueryRequest** message:

```
<getLicenseTechnologyQueryRequest>
  <queryParams>
    <name>
      <value>FLEX</value>
      <searchType>STARTS_WITH</searchType>
    </name>
  </queryParams>
</getLicenseTechnologyQueryRequest>
```

Element: getLicenseTechnologyQueryResponse

Description

A **getLicenseTechnologyQueryResponse** message contains an element of getLicenseTechnologyQueryResponseType.

Derived By

Type getLicenseTechnologyQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All organizations in the request were processed.
PARTIAL_FAILURE—Some, but not all organizations in the request were processed.
FAILURE—None of the organizations in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>licenseTechnologyDataListType</td><td>0..1</td><td>Information about the license technologies that matched the query is listed in the responseData element. See licenseTechnologyDataListType.</td></tr>
</table>

Referenced By

Name	Type
getLicenseTechnologiesQuery	Method

XML Example

The following XML fragment illustrates a successful **getLicenseTechnologyQueryResponse** message:

```
<getLicenseTechnologyQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <licenseTechnology>
      <licenseTechnologyIdentifier>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
```

XML Example

```
        </primaryKeys>
      </licenseTechnologyIdentifier>
      <licenseGenerators>
        <licenseGeneratorIdentifier>
          <uniqueId>HID-100</uniqueId>
          <primaryKeys>
            <name>demo</name>
          </primaryKeys>
        </licenseGeneratorIdentifier>
      </licenseGenerators>
      <state>DRAFT</state>
    </licenseTechnology>
  </responseData>
</getLicenseTechnologyQueryResponse>
```

Element: getMaintenanceCountRequest

Description

A **getMaintenanceCountRequest** message contains an element of getMaintenanceCountRequestType.

Derived By

Type getMaintenanceCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	maintenanceQueryParametersType	0..1	Required. See maintenanceQueryParametersType. Leave this element blank to return all maintenance products.

Referenced By

Name	Type
getMaintenanceCount	Method

XML Example

The following XML fragment illustrates a **getMaintenanceCountRequest** message:

```
<getMaintenanceCountRequest>
  <queryParams>
    <maintenanceName>
      <value>M</value>
      <searchType>STARTS_WITH</searchType>
    </maintenanceName>
    <version>
```

XML Example

```
        <value>1</value>
        <searchType>STARTS_WITH</searchType>
      </version>
    </queryParams>
  </getMaintenanceCountRequest>
```

Element: getMaintenanceCountResponse

Description

A **getMaintenanceCountResponse** message contains an element of getMaintenanceCountResponseType.

Derived By

Type getMaintenanceCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getMaintenanceCount	Method

XML Example

The following XML fragment illustrates a successful **getMaintenanceCountResponse** message:

```
<getMaintenanceCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
```

XML Example

```
  <responseData>
    <count>1</count>
  </responseData>
</getMaintenanceCountResponse>
```

Element: getMaintenanceQueryRequest

Description

A **getMaintenanceQueryRequest** message contains an element of getMaintenanceQueryRequestType.

Derived By

Type getMaintenanceQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	maintenanceQueryParametersType	0..1	Required. See maintenanceQueryParametersType. Leave this element blank to return all maintenance products.
pageNumber	integer	1..1	Required. Starts at 1. Say the getMaintenanceCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the maitenance product.

Referenced By

Name	Type
getMaintenanceQuery	Method

XML Example

The following XML fragment illustrates a **getMaintenanceQueryRequest** message:

```
<getMaintenanceQueryRequest>
  <queryParams>
    <maintenanceName>
      <value>M</value>
      <searchType>STARTS_WITH</searchType>
```

XML Example

```
      </maintenanceName>
      <version>
        <value>1</value>
        <searchType>STARTS_WITH</searchType>
      </version>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>30</batchSize>
    <returnContainedObjects>false</returnContainedObjects>
  </getMaintenanceQueryRequest>
```

Element: getMaintenanceQueryResponse

Description

A **getMaintenanceQueryResponse** message contains an element of getMaintenanceQueryResponseType.

Derived By

Type getMaintenanceQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMaintenanceQueryResponseDataType</td><td>0..1</td><td>See getMaintenanceQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getMaintenanceQuery	Method

XML Example

The following XML fragment illustrates a successful **getMaintenanceQueryResponse** message:

```
<getMaintenanceQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
```

XML Example

```
  <responseData>
    <maintenance>
      <uniqueId>HID-20102</uniqueId>
      <maintenanceName>Maint_basic_updated</maintenanceName>
      <description>Maint_basic_updated desc</description>
      <state>DRAFT</state>
    </maintenance>
  </responseData>
</getMaintenanceQueryResponse>
```

Element: getModelIdentifiersRequest

Description

A **getModelIdentifiersRequest** message contains an element of getModelIdentifiersRequestType.

Derived By

Type getModelIdentifiersRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	identifierQueryParametersType	0..1	Required. See identifierQueryParametersType.

Referenced By

Name	Type
getLicenseModelIdentifiers	Method

XML Example

The following XML fragment illustrates a **getModelIdentifiersRequest** message that returns the IDs, names, and fulfillment parameters (that are set as name-value pairs) of all license models:

```
<getModelIdentifiersRequest>
  <queryParams>
  </queryParams>
</getModelIdentifiersRequest>
```

The following XML fragment illustrates a **getModelIdentifiersRequest** message that returns the fulfillment-time parameters (that are set as name-value pairs) for the license model whose name is **Floating Counted**:

```
<getModelIdentifiersRequest>
  <queryParams>
    <name>
      <value>Floating Counted</value>
```

XML Example

```
        <searchType>EQUALS</searchType>
      </name>
    </queryParams>
  </getModelIdentifiersRequest>
```

Element: getModelIdentifiersResponse

Description

A **getModelIdentifiersResponse** message contains an element of getModelIdentifiersResponseType.

Derived By

Type getModelIdentifiersResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entities in the request were processed.
FAILURE—None of the entities in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>modelIdentifiersDataListType</td><td>0..1</td><td>See modelIdentifiersDataListType.</td></tr>
</table>

Referenced By

Name	Type
getLicenseModelIdentifiers	Method

XML Example

The following XML fragment illustrates a successful **getModelIdentifiersResponse** message:

```
<getModelIdentifiersResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <licenseModel>
      <licenseModelIdentifier>
        <uniqueId>HID-501</uniqueId>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </licenseModelIdentifier>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <attributeDetails>
        <needServerId>true</needServerId>
        <needNodeLockId>false</needNodeLockId>
        <needCount>true</needCount>
        <needOverdraftCount>true</needOverdraftCount>
      </attributeDetails>
    </licenseModel>
  </responseData>
</getModelIdentifiersResponse>
```

Element: getPartNumberCountRequest

Description

Derived By

Type getPartNumberCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	partNumberQueryParametersType	0..1	Required. See partNumberQueryParametersType.

Referenced By

Name	Type
getPartNumberCount	Method

XML Example

The following XML fragment illustrates a **getPartNumberCountRequest** message:

```
<getPartNumberCountRequest>
  <queryParams>
    <unmappedWithProduct>true</unmappedWithProduct>
  </queryParams>
</getPartNumberCountRequest>
```

Element: getPartNumberCountResponse

Description

A **getPartNumberCountResponse** message contains an element of getPartNumberCountResponseType.

Derived By

Type getPartNumberCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>partNumberCountDataType</td><td>0..1</td><td>Contains an integer count element. See partNumberCountDataType.</td></tr>
</table>

Referenced By

Name	Type
getPartNumberCount	Method

XML Example

The following XML fragment illustrates a successful **getPartNumberCountResponse** message:

```
<getPartNumberCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>17</count>
  </responseData>
</getPartNumberCountResponse>
```

Element: getPartNumbersQueryRequest

Description

A **getPartNumbersQueryRequest** message contains an element of getPartNumbersQueryRequestType.

Derived By

Type getPartNumbersQueryRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	partNumberQueryParametersType	0..1	Required. See partNumberQueryParametersType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getPartNumberCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getPartNumbersQuery	Method

XML Example

The following XML fragment illustrates a **getPartNumbersQueryRequest** message:

```
<getPartNumbersQueryRequest>
  <queryParams>
    <productName>
      <value>Product A</value>
      <searchType>EQUALS</searchType>
    </productName>
    <licenseModel>
      <value>Floating Counted</value>
      <searchType>EQUALS</searchType>
    </licenseModel>
  </queryParams>
  <pageNumber>1</pageNumber>
  <batchSize>100</batchSize>
</getPartNumbersQueryRequest>
```

Element: getPartNumbersQueryResponse

Description

A **getPartNumbersQueryResponse** message contains an element of getPartNumbersQueryResponseType.

Derived By

Type getPartNumbersQueryResponseType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the part numbers in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of part numbers was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all part numbers in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the part numbers in the request were processed successfully. If the request was asynchronous, FAILURE means that the</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>import request of part numbers was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>partNumberDataListType</td><td>0..1</td><td>See partNumberDataListType.</td></tr>
</table>

Referenced By

Name	Type
getPartNumbersQuery	Method

XML Example

The following XML fragment illustrates a successful **getPartNumbersQueryResponse** message:

```
<getPartNumbersQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <partNumber>
      <partNumberIdentifier>
        <uniqueId>HID-20130</uniqueId>
        <primaryKeys>
          <partId>Part-22</partId>
        </primaryKeys>
      </partNumberIdentifier>
      <description xsi:nil="true"/>
      <creationDate>2008-01-04</creationDate>
      <lastModifiedDate>2008-01-04</lastModifiedDate>
      <mappedProduct>
        <uniqueId>HID-20093</uniqueId>
        <primaryKeys>
          <name>Product A</name>
          <version>1.0</version>
        </primaryKeys>
      </mappedProduct>
      <mappedLicenseModel>
        <uniqueId>HID-501</uniqueId>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </mappedLicenseModel>
    </partNumber>
  </responseData>
</getPartNumbersQueryResponse>
```

Element: getProductCategoriesRequest

Description

A **getProductCategoriesRequest** message contains an element of getProductCategoriesRequestType.

Derived By

Type getProductCategoriesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
pageNumber	integer	0..1	The page number of the query results. The page number depends on the batch size and the number of records returned. Say the getProductCategories query returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	True or False.

Referenced By

Name	Type
getProductCategories	Method

XML Example

The following XML fragment illustrates a **getProductCategoriesRequest** message:

```
<getProductCategoriesRequest>
  <pageNumber>1</pageNumber>
  <batchSize>30b</batchSize>
  <returnContainedObjects>false</returnContainedObjects>
</getProductCategoriesRequest>
```

Element: getProductCategoriesResponse

Description

A **getProductCategoriesResponse** message contains an element of getProductCategoriesResponseType.

Derived By

Type getProductCategoriesResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getProductCategoriesResponseDataType</td><td>0..1</td><td>A getProductCategoriesResponse contains an array of responseData elements. See getProductCategoriesResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductCategories	Method

XML Example

The following XML fragment illustrates a successful **getProductCategoriesResponse** message:

```
<getProductCategoriesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <productCategory>
      <name>ALL</name>
      <description>ALL.</description>
    </productCategory>
    <productCategory>
      <name>Uncategorized Products</name>
      <description>Uncategorized Products.</description>
    </productCategory>
    <productCategory>
      <name>CRM</name>
      <description>Customer Relationship Management Products</description>
    </productCategory>
  </responseData>
</getProductCategoriesResponse>
```

Element: getProductCountRequest

Description

A **getProductCountRequest** message contains an element of getProductCountRequestType.

Derived By

Type getProductCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	productQueryParameters Type	0..1	Required. See productQueryParametersType. Leave this element blank to return all products.

Referenced By

Name	Type
getProductCount	Method

XML Example

The following XML fragment illustrates a **getProductCountRequest** message:

```
<getProductCountRequest>
```

XML Example

```
  <queryParams>
    <productName>
      <value>Product</value>
      <searchType>STARTS_WITH</searchType>
    </productName>
    <version>
      <value>1</value>
      <searchType>STARTS_WITH</searchType>
    </version>
  </queryParams>
</getProductCountRequest>
```

Element: getProductCountResponse

Description

A **getProductCountResponse** message contains an element of getProductCountResponseType.

Derived By

Type getProductCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element. See getCountResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductCount	Method

XML Example

The following XML fragment illustrates a successful **getProductCountResponse** message:

```
<getProductCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>1</count>
  </responseData>
```

XML Example

```
</getProductCountResponse>
```

Element: getProductRelationshipsRequest

Description

A **getProductRelationshipsRequest** message contains an element of getProductRelationshipsRequestType.

Derived By

Type getProductRelationshipsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.

Referenced By

Name	Type
getProductRelationships	Method

XML Example

The following XML fragment illustrates a **getProductRelationshipsRequest** message:

```
<getProductRelationshipsRequest>
  <productIdentifier>
    <primaryKeys>
      <name>Product_basic</name>
      <version>1.0</version>
    </primaryKeys>
  </productIdentifier>
</getProductRelationshipsRequest>
```

Element: getProductRelationshipsResponse

Description

A **getProductRelationshipsResponse** message contains an element of getProductRelationshipsResponseType.

Derived By

Type getProductRelationshipsResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>relationship</td><td>productRelationshipDataType</td><td>1..*</td><td>A getProductRelationshipsResponse contains an array of relationship elements. See productRelationshipDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductRelationships	Method

XML Example

The following XML fragment illustrates a successful **getProductRelationshipsResponse** message:

```
<getProductRelationshipsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <relationship>
    <productToRelate>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
```

XML Example

```
    </productToRelate>
    <relatedProduct>
      <uniqueId>HID-100251</uniqueId>
      <primaryKeys>
        <name>Product_basic</name>
        <version>2.0</version>
      </primaryKeys>
    </relatedProduct>
    <relation>UPGRADE_TO</relation>
  </relationship>
</getProductRelationshipsResponse>
```

Element: getProductsQueryRequest

Description

A **getProductsQueryRequest** message contains an element of getProductsQueryRequestType.

Derived By

Type getProductsQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	productQueryParametersType	0..1	Required. See productQueryParametersType. Leave this element blank to return all products.
pageNumber	integer	1..1	Required. Starts at 1. Say the getProductCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the product.

Referenced By

Name	Type
getProductsQuery	Method

XML Example

The following XML fragment illustrates a **getProductsQueryRequest** message:

XML Example

```
<getProductsQueryRequest>
  <queryParams>
    <productName>
      <value>Product</value>
      <searchType>STARTS_WITH</searchType>
    </productName>
    <version>
      <value>1</value>
      <searchType>STARTS_WITH</searchType>
    </version>
  </queryParams>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
  <returnContainedObjects>false</returnContainedObjects>
</getProductsQueryRequest>
```

Element: getProductsQueryResponse

Description

A **getProductsQueryResponse** message contains an element of getProductsQueryResponseType.

Derived By

Type getProductsQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getProductsQueryResponseDataType</td><td>0..1</td><td>See getProductsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getProductsQuery	Method

XML Example

The following XML fragment illustrates a successful **getProductsQueryResponse** message:

```
<getProductsQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <product>
      <uniqueId>HID-100245</uniqueId>
```

XML Example

```
      <productName>Product_basic</productName>
      <version>1.0</version>
      <description>Product_basic description</description>
      <state>DRAFT</state>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <licenseGenerator>
        <uniqueId>HID-101</uniqueId>
        <primaryKeys>
          <name>demo</name>
        </primaryKeys>
      </licenseGenerator>
      <hostType>
        <name>Certificate or Trusted Host</name>
      </hostType>
      <usedOnDevice>false</usedOnDevice>
      <productCategory>Uncategorized Products</productCategory>
      <allowDownloadObsoleteFrInAdmin>false</allowDownloadObsoleteFrInAdmin>
      <allowDownloadObsoleteFrInPortal>false</allowDownloadObsoleteFrInPortal>
      <creationDate>2011-10-22T20:38:15.660Z</creationDate>
      <lastModifiedDate>2012-03-28T20:39:35.162Z</lastModifiedDate>
    </product>
  </responseData>
</getProductsQueryResponse>
```

Element: getTransactionKeyIdentifiersRequest

Description

A **getTransactionKeyIdentifiersRequest** message contains an element of getTransactionKeyIdentifiersRequestType.

Derived By

Type getTransactionKeyIdentifiersRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	identifierQueryParametersType	0..1	Required. See identifierQueryParametersType.

Referenced By

Name	Type
getTransactionKeyIdentifiers	Method

XML Example

The following XML fragment illustrates a **getTransactionKeyIdentifiersRequest** message that returns the IDs and names of all transaction keys:

```
<getTransactionKeyIdentifiersRequest>
</getTransactionKeyIdentifiersRequest>
```

The following XML fragment illustrates a **getTransactionKeyIdentifiersRequest** message that returns the names of all transaction keys whose names contain the string TK:

```
<getTransactionKeyIdentifiersRequest>
  <queryParams>
    <name>
      <value>TK</value>
      <searchType>CONTAINS</searchType>
    </name>
  </queryParams>
</getTransactionKeyIdentifiersRequest>
```

Element: getTransactionKeyIdentifiersResponse

Description

A **getTransactionKeyIdentifiersResponse** message contains an element of getTransactionKeyIdentifiersResponseType.

Derived By

Type getTransactionKeyIdentifiersResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entities in the request were processed.
FAILURE—None of the entities in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>transactionKeyIdentifiersDataListType</td><td>0..1</td><td>See transactionKeysIdentifiersDataListType.</td></tr>
</table>

Referenced By

Name	Type
getTransactionKeyIdentifiers	Method

XML Example

The following XML fragment illustrates a successful **getTransactionKeyIdentifiersResponse** message:

```
<getTransactionKeyIdentifiersResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <transactionKeyIdentifier>
      <uniqueId>HID-100047</uniqueId>
      <primaryKeys>
        <keyName>TK1</keyName>
      </primaryKeys>
    </transactionKeyIdentifier>
  </responseData>
</getTransactionKeyIdentifiersResponse>
```

Element: getUniformSuiteCountRequest

Description

A **getUniformSuiteCountRequest** message contains an element of getUniformSuiteCountRequestType.

Derived By

Type getUniformSuiteCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	suiteQueryParametersType	0..1	Required. See suiteQueryParametersType. Leave this element blank to return all suites.

Referenced By

Name	Type
getUniformSuiteCount	Method

XML Example

The following XML fragment illustrates a **getUniformSuiteCountRequest** message:

```
<getUniformSuiteCountRequest>
  <queryParams>
    <suiteName>
      <value>S1</value>
      <searchType>EQUALS</searchType>
    </suiteName>
  </queryParams>
</getUniformSuiteCountRequest>
```

Element: getUniformSuiteCountResponse

Description

A **getUniformSuiteCountResponse** message contains an element of getUniformSuiteCountResponseType.

Derived By

Type getUniformSuiteCountResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All suites in the request were processed.
• PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getUniformSuiteCount	Method

XML Example

The following XML fragment illustrates a successful **getUniformSuiteCountResponse** message:

```
<getUniformSuiteCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <count>1</count>
  </responseData>
</getUniformSuiteCountResponse>
```

Element: getUniformSuitesQueryRequest

Description

A **getUniformSuitesQueryRequest** message contains an element of getUniformSuitesQueryRequestType.

Derived By

Type getUniformSuitesQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	suiteQueryParametersType	0..1	Required. See suiteQueryParametersType. Leave this element blank to return all suites.
pageNumber	integer	1..1	Required. Starts at 1. Say the getUniformSuiteCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
returnContainedObjects	boolean	1..1	Required. If true, return arrays of elements that are contained in the suite.

Referenced By

Name	Type
getUniformSuiteQuery	Method

XML Example

The following XML fragment illustrates a **getUniformSuitesQueryRequest** message:

```
<getUniformSuitesQueryRequest>
  <queryParams>
    <suiteName>
      <value>S10</value>
      <searchType>EQUALS</searchType>
    </suiteName>
    <version>
      <value>1.0</value>
```

XML Example

```
        <searchType>EQUALS</searchType>
      </version>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>10</batchSize>
    <returnContainedObjects>false</returnContainedObjects>
  </getUniformSuitesQueryRequest>
```

Element: getUniformSuitesQueryResponse

Description

A **getUniformSuitesQueryResponse** message contains an element of getUniformSuitesQueryResponseType.

Derived By

Type getUniformSuitesQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getUniformSuitesQueryResponseDataType</td><td>0..1</td><td>See getUniformSuitesQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUniformSuiteQuery	Method

XML Example

The following XML fragment illustrates a successful **getUniformSuitesQueryResponse** message:

```
<getUniformSuitesQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <uniformSuite>
      <uniqueId>HID-6</uniqueId>
```

XML Example


```
      <suiteName>S10</suiteName>
      <version>1.0</version>
      <description>Suite_basic description</description>
      <state>DEPLOYED</state>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <licenseGenerator>
        <uniqueId>HID-101</uniqueId>
        <primaryKeys>
          <name>demo</name>
        </primaryKeys>
      </licenseGenerator>
      <hostType>
        <name>Certificate or Trusted Host</name>
      </hostType>
      <usedOnDevice>false</usedOnDevice>
      <productCategory>Uncategorized Products</productCategory>
      <allowDownloadObsoleteFrInAdmin>false</allowDownloadObsoleteFrInAdmin>
      <allowDownloadObsoleteFrInPortal>false</allowDownloadObsoleteFrInPortal>
      <creationDate>2011-10-22T20:38:15.660Z</creationDate>
      <lastModifiedDate>2012-03-28T20:39:35.162Z</lastModifiedDate>
    </uniformSuite>
  </responseData>
</getUniformSuitesQueryResponse>
```


Element: getUsersForProductCategoryRequest

Description

A **getUsersForProductCategoryRequest** message contains an element of getUsersForProductCategoryRequestType.

Derived By

Type getUsersForProductCategoryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productCategory	productCategoryDataType	1..1	Required. See productCategoryDataType.

Referenced By

Name	Type
getUsersForProductCategory	Method

XML Example

The following XML fragment illustrates a **getUsersForProductCategoryRequest** message:

```
<getUsersForProductCategoryRequest>
  <productCategory>
    <name>Product_basic</name>
  </productCategory>
</getUsersForProductCategoryRequest>
```

Element: getUsersForProductCategoryResponse

Description

A **getUsersForProductCategoryResponse** message contains an element of getUsersForProductCategoryResponseType.

Derived By

Type getUsersForProductCategoryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>userData</td><td>getUsersForProductCategoryResponseDataType</td><td>0..1</td><td>A geUsersForProductCategoryResponseDataType contains an array of userData elements. See geUsersForProductCategoryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUsersForProductCategory	Method

XML Example

The following XML fragment illustrates a successful **getUsersForProductCategoryResponse** message:

```
<getUsersForProductCategoryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
```

XML Example

```
  <userData>
    <user>
      <userName>admin</userName>
    </user>
    <user>
      <userName>p1admin</userName>
    </user>
    <user>
      <userName>pcuser</userName>
    </user>
  </userData>
</getUsersForProductCategoryResponse>
```

The following XML fragment illustrates a failed **getUsersForProductCategoryResponse** message:

```
<getUsersForProductCategoryResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>There is no such Product Category with provided ID/Name!</reason>
  </statusInfo>
</getUsersForProductCategoryResponse>
```

Element: removeProductCategoriesFromOrgRequest

Description

A **removeProductCategoriesFromOrgRequest** message contains an element of handleProductCategoryToOrgRequestType.

Derived By

Type handleProductCategoryToOrgRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
org	organizationIdentifierType	1..1	See organizationIdentifierType.
productCategory	productCategoryDataType	1..*	An array of **productCategory** elements. See productCategoryDataType.

Referenced By

Name	Type
removeProductCategoriesFromOrg	Method

XML Example

The following XML fragment illustrates a **removeProductCategoriesFromOrgRequest** message:

```
<removeProductCategoriesFromOrgRequest>
  <org>
    <primaryKeys>
      <name>PCPORG</name>
    </primaryKeys>
  </org>
  <productCategory>
    <name>CRM</name>
  </productCategory>
</removeProductCategoriesFromOrgRequest>
```

Element: removeProductCategoriesFromOrgResponse

Description

A **removeProductCategoriesFromOrgResponse** message contains an element of handleProductCategoryToOrgResponseType.

Removing each product category either succeeds or fails. No specific information is returned about categories.

Derived By

Type handleProductCategoryToOrgResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All categories in the request were processed.
PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the categories in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives a reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
removeProductCategoriesFromOrg	Method

XML Example

The following XML fragment illustrates a successful **removeProductCategoriesFromOrgResponse** message:

```
<removeProductCategoriesFromOrgResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</removeProductCategoriesFromOrgResponse>
```

Element: removeProductCategoriesFromUserRequest

Description

A **removeProductCategoriesFromUserRequest** message contains an element of handleProductCategoriesToUserRequestType.

Derived By

Type handleProductCategoriesToUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..1	See userIdentifierType.
productCategory	productCategoryDataType	1..*	An array of productCategory elements. See productCategoryDataType.

Referenced By

Name	Type
removeProductCategoriesFromUser	Method

XML Example

The following XML fragment illustrates a **removeProductCategoriesFromUserRequest** message:

```
<removeProductCategoriesFromUserRequest>
  <user>
    <primaryKeys>
      <firstName>John</firstName>
      <lastName>Smith</lastName>
      <emailAddress>jsmith@example.com</emailAddress>
    </primaryKeys>
  </user>
  <productCategory>
    <name>CRM</name>
  </productCategory>
</removeProductCategoriesFromUserRequest>
```

Element: removeProductCategoriesFromUserResponse

Description

A **removeProductCategoriesFromUserResponse** message contains an element of handleProductCategoriesToUserResponseType.

Derived By

Type handleProductCategoriesToUserResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All categories in the request were processed. • PARTIAL_FAILURE—Some, but not all categories in the request were processed. The get operation never returns PARTIAL_FAILURE. • FAILURE—None of the categories in the request were processed.
reason	string	Gives a reason for partial failure or failure.

Referenced By

Name	Type
removeProductCategoriesFromUser	Method

XML Example

The following XML fragment illustrates a successful **removeProductCategoriesFromUserResponse** message:

XML Example

```
<removeProductCategoriesFromUserResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</removeProductCategoriesFromUserResponse>
```

Element: setFeatureBundleStateRequest

Description

A **setFeatureBundleStateRequest** message contains an element of setFeatureBundleStateRequestType.

Derived By

Type setFeatureBundleStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleStateDataType	1..*	Required. A **setFeatureBundleState** request contains an array of **featureBundle** elements for which to change the state. See featureBundleStateDataType.

Referenced By

Name	Type
setFeatureBundleState	Method

XML Example

The following XML fragment illustrates a **setFeatureBundleStateRequest** message:

```
<setFeatureBundleStateRequest>
  <featureBundle>
    <featureBundleIdentifier>
      <primaryKeys>
        <name>FB_basic_count10</name>
      </primaryKeys>
    </featureBundleIdentifier>
    <stateToSet>INACTIVE</stateToSet>
  </featureBundle>
</setFeatureBundleStateRequest>
```

Element: setFeatureBundleStateResponse

Description

A **setFeatureBundleStateResponse** message contains an element of setFeatureBundleStateResponseType.

Derived By

Type setFeatureBundleStateResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureBundleStateDataListType</td><td>0..1</td><td>Information about the feature bundles whose state was not set is listed in the failedData element. See failedFeatureBundleStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setFeatureBundleState	Method

XML Example

The following XML fragment illustrates an unsuccessful **setFeatureBundleStateResponse** message:

```
<setFeatureBundleStateResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed. Please check the
          specific reasons in returned data.</reason>
  </statusInfo>
  <failedData>
    <failedFeatureBundle>
      <featureBundle>
        <featureBundleIdentifier>
          <primaryKeys>
            <name>FB_basic_count10</name>
          </primaryKeys>
        </featureBundleIdentifier>
        <stateToSet>INACTIVE</stateToSet>
      </featureBundle>
      <reason>Inactive state is invalid for feature bundle.
            # 5170-9511</reason>
    </failedFeatureBundle>
  </failedData>
</setFeatureBundleStateResponse>
```

Element: setFeatureStateRequest

Description

A **setFeatureStateRequest** message contains an element of setFeatureStateRequestType.

Derived By

Type setFeatureStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureStateDataType	1..*	Required. A **setFeatureStateRequest** contains an array of **feature** elements for which to change the state. See featureStateDataType.

Referenced By

Name	Type
setFeatureState	Method

XML Example

The following XML fragment illustrates a **setFeatureStateRequest** message:

```
<setFeatureStateRequest>
  <feature>
    <featureIdentifier>
      <primaryKeys>
        <name>Feature_add1</name>
        <version></version>
      </primaryKeys>
    </featureIdentifier>
    <stateToSet>DEPLOYED</stateToSet>
  </feature>
</setFeatureStateRequest>
```

Element: setFeatureStateResponse

Description

A **setFeatureStateResponse** message contains an element of setFeatureStateResponseType.

Derived By

Type setFeatureStateResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFeatureStateDataListType</td><td>0..1</td><td>Information about the features whose state was not set is listed in the failedData element. See failedFeatureStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setFeatureState	Method

XML Example

The following XML fragment illustrates a successful **setFeatureStateResponse** message:

```
<setFeatureStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setFeatureStateResponse>
```

Element: setMaintenanceStateRequest

Description

A **setMaintenanceStateRequest** message contains an element of setMaintenanceStateRequestType.

Derived By

Type setMaintenanceStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	maintenanceStateDataType	1..*	Required. A **setMaintenanceState** request contains an array of **maintenance** elements for which to change the state. See maintenanceStateDataType.

Referenced By

Name	Type
setMaintenanceState	Method

XML Example

The following XML fragment illustrates a **setMaintenanceStateRequest** message:

```
<setMaintenanceStateRequest>
  <maintenance>
    <maintenanceIdentifier>
      <primaryKeys>
        <name>Maint_basic_updated</name>
        <version>1.1</version>
      </primaryKeys>
    </maintenanceIdentifier>
    <stateToSet>DEPLOYED</stateToSet>
  </maintenance>
</setMaintenanceStateRequest>
```

Element: setMaintenanceStateResponse

Description

A **setMaintenanceStateResponse** message contains an element of setMaintenanceStateResponseType.

Derived By

Type setMaintenanceStateResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All maintenance products in the request were processed.
• PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMaintenanceStateDataListType</td><td>0..1</td><td>Information about the maintenance products whose state was not set is listed in the failedData element. See failedMaintenanceStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setMaintenanceState	Method

XML Example

The following XML fragment illustrates a successful **setMaintenanceStateResponse** message:

XML Example

```
<setMaintenanceStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setMaintenanceStateResponse>
```

Element: setProductStateRequest

Description

A **setProductStateRequest** message contains an element of setProductStateRequestType.

Derived By

Type setProductStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productStateDataType	1..*	Required. A **setProductState** request contains an array of **product** elements for which to change the state. See productStateDataType.

Referenced By

Name	Type
setProductState	Method

XML Example

The following XML fragment illustrates a **setProductStateRequest** message:

```
<setProductStateRequest>
  <product>
    <productIdentifier>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </productIdentifier>
    <stateToSet>DEPLOYED</stateToSet>
  </product>
</setProductStateRequest>
```

Element: setProductStateResponse

Description

A **setProductStateResponse** message contains an element of setProductStateResponseType.

Derived By

Type setProductStateResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedProductStateDataListType</td><td>0..1</td><td>Information about the products whose state was not set is listed in the failedData element. See failedProductStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setProductState	Method

XML Example

The following XML fragment illustrates a successful **setProductStateResponse** message:

```
<setProductStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setProductStateResponse>
```

Element: setUniformSuiteStateRequest

Description

A **setUniformSuiteStateRequest** message contains an element of setUniformSuiteStateRequestType.

Derived By

Type setUniformSuiteStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
suite	uniformSuiteStateDataType	1..*	Required. A **setUniformSuiteState** request contains an array of suite elements for which to change the state. See uniformSuiteStateDataType.

Referenced By

Name	Type
setUniformSuiteState	Method

XML Example

The following XML fragment illustrates a **setUniformSuiteStateRequest** message:

```
<setUniformSuiteStateRequest>
  <suite>
    <suiteIdentifier>
      <primaryKeys>
        <name>UniformSuite_basic</name>
```

XML Example

```
            <version>1.0</version>
          </primaryKeys>
        </suiteIdentifier>
        <stateToSet>DEPLOYED</stateToSet>
      </suite>
    </setUniformSuiteStateRequest>
```

Element: setUniformSuiteStateResponse

Description

A **setUniformSuiteStateResponse** message contains an element of setUniformSuiteStateResponseType.

Derived By

Type setUniformSuiteStateResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUniformSuiteStateDataListType</td><td>0..1</td><td>Information about the suites whose state was not set is listed in the failedData element. See failedUniformSuiteStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setUniformSuiteState	Method

XML Example

The following XML fragment illustrates a successful **setUniformSuiteStateResponse** message:

```
<setUniformSuiteStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setUniformSuiteStateResponse>
```

Element: updateFeatureBundleRequest

Description

An **updateFeatureBundleRequest** message contains an element of updateFeatureBundleRequestType.

Derived By

Type updateFeatureBundleRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	updateFeatureBundleDataType	1..*	Required. An **updateFeatureBundleRequest** contains an array of **featureBundle** elements to be modified. See updateFeatureBundleDataType.

Referenced By

Name	Type
updateFeatureBundle	Method

XML Example

The following XML fragment illustrates a **updateFeatureBundleRequest** message:

```
<updateFeatureBundleRequest>
  <featureBundle>
    <featureBundleIdentifier>
      <uniqueId>HID-100236</uniqueId>
    </featureBundleIdentifier>
    <description>Basic now contains Feature_add3</description>
    <features>
      <feature>
        <featureIdentifier>
          <primaryKeys>
            <name>Feature_add3</name>
            <version>1.0</version>
          </primaryKeys>
        </featureIdentifier>
        <count>10</count>
      </feature>
      <opType>ADD</opType>
    </features>
  </featureBundle>
</updateFeatureBundleRequest>
```

Element: updateFeatureBundleResponse

Description

An **updateFeatureBundleResponse** message contains an element of updateFeatureBundleResponseType.

Each feature bundle in the **updateFeatureBundleRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about feature bundles that were modified successfully.

Derived By

Type updateFeatureBundleResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All feature bundles in the request were processed.
PARTIAL_FAILURE—Some, but not all feature bundles in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the feature bundles in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateFeatureBundleDataListType</td><td>0..1</td><td>Information about the feature bundles that were not modified is listed in the failedData element. See failedUpdateFeatureBundleDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateFeatureBundle	Method

XML Example

The following XML fragment illustrates an unsuccessful **updateFeatureBundleResponse** message (Feature_add8 does not exist):

```
<updateFeatureBundleResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed.
          Please check the specific reasons in returned data.</reason>
  </statusInfo>
  <failedData>
    <failedFeatureBundle>
      <featureBundle>
        <featureBundleIdentifier>
          <uniqueId>HID-100016</uniqueId>
        </featureBundleIdentifier>
        <description>Now with A, B, C</description>
        <features>
          <feature>
            <featureIdentifier>
              <primaryKeys>
                <name>Feature_add8</name>
                <version>1.0</version>
              </primaryKeys>
            </featureIdentifier>
            <count>10</count>
          </feature>
          <opType>ADD</opType>
        </features>
      </featureBundle>
      <reason>Identifier Feature_add8 is invalid.</reason>
    </failedFeatureBundle>
  </failedData>
</updateFeatureBundleResponse>
```

Element: updateFeatureRequest

Description

An **updateFeatureRequest** message contains an element of updateFeatureRequestType.

Derived By

Type updateFeatureRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	updateFeatureDataType	1..*	Required. An **updateFeatureRequest** contains an array of **feature** elements to be modified. See updateFeatureDataType.

Referenced By

Name	Type
updateFeature	Method

XML Example

The following XML fragment illustrates a **updateFeatureRequest** message:

```
<updateFeatureRequest>
  <feature>
    <featureIdentifier>
      <primaryKeys>
        <name>Feature_toUpdate</name>
        <version></version>
      </primaryKeys>
    </featureIdentifier>
    <featureName>Feature_updated</featureName>
    <versionFormat>FIXED</versionFormat>
    <version>1.0</version>
    <description>Feature_updated desc</description>
  </feature>
</updateFeatureRequest>
```

Element: updateFeatureResponse

Description

An **updateFeatureRequest** message contains an element of updateFeatureRequestType.

Derived By

Type updateFeatureResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateFeatureDataListType</td><td>0..1</td><td>Contains one or more failedFeature elements. See failedUpdateFeatureDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateFeature	Method

XML Example

The following XML fragment illustrates a successful **updateFeatureResponse** message:

```
<updateFeatureResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateFeatureResponse>
```

Element: updateMaintenanceRequest

Description

An **updateMaintenanceRequest** message contains an element of updateMaintenanceRequestType.

Derived By

Type updateMaintenanceRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenance	updateMaintenanceDataType	1..*	Required. An **updateMaintenanceRequest** contains an array of **maintenance** elements to be modified. See updateMaintenanceDataType.

Referenced By

Name	Type
updateMaintenance	Method

XML Example

The following XML fragment illustrates a **updateMaintenanceRequest** message:

```
<updateMaintenanceRequest>
  <maintenance>
    <maintenanceIdentifier>
      <primaryKeys>
        <name>Maint_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </maintenanceIdentifier>
    <name>Maint_basic_updated</name>
    <version>1.1</version>
    <description>Maint_basic_updated desc</description>
  </maintenance>
</updateMaintenanceRequest>
```

Element: updateMaintenanceResponse

Description

An **updateMaintenanceResponse** message contains an element of updateMaintenanceResponseType.

Each maintenance product in the **updateMaintenanceRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about maintenance products that were modified successfully.

Derived By

Type updateMaintenanceResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All maintenance products in the request were processed.
PARTIAL_FAILURE—Some, but not all maintenance products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the maintenance products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateMaintenanceDataListType</td><td>0..1</td><td>Information about the maintenance products that were not modified is listed in the failedData element. See failedUpdateMaintenanceDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateMaintenance	Method

XML Example

The following XML fragment illustrates a **updateMaintenanceResponse** message:

```
<updateMaintenanceResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateMaintenanceResponse>
```

Element: updateProductRelationshipRequest

Description

An **updateProductRelationshipRequest** message contains an element of updateProductRelationshipRequestType.

Derived By

Type updateProductRelationshipRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relationship	updateProductRelationshipDataType	1..*	Required. An **updateProductRelationshipRequest** contains an array of **relationship** elements to be modified. See updateProductRelationshipDataType.

Referenced By

Name	Type
updateProductRelationship	Method

XML Example

The following XML fragment illustrates a **updateProductRelationshipRequest** message:

```
<updateProductRelationshipRequest>
  <relationship>
    <productToRelate>
      <primaryKeys>
        <name>P11</name>
        <version>1.0</version>
      </primaryKeys>
    </productToRelate>
    <relatedProduct>
      <primaryKeys>
        <name>P10</name>
        <version>1.0</version>
      </primaryKeys>
    </relatedProduct>
```

XML Example

```
    <relation>UPGRADE_FROM</relation>
    <newRelation>UPSELL_FROM</newRelation>
  </relationship>
</updateProductRelationshipRequest>
```

Element: updateProductRelationshipResponse

Description

An **updateProductRelationshipResponse** message contains an element of updateProductRelationshipResponseType.

Each relationship in the **updateProductRelationshipRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about relationships that were modified successfully

Derived By

Type updateProductRelationshipResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All relationships in the request were processed.
PARTIAL_FAILURE—Some, but not all relationships in the request were processed. The get operation never returns PARTIAL_FAILURE.
FAILURE—None of the relationships in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateProductRelationshipDataListType</td><td>0..1</td><td>Information about the relationships that were not modified is listed in the failedData element. See failedUpdateProductRelationshipDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateProductRelationship	Method

XML Example

The following XML fragment illustrates a **updateProductRelationshipResponse** message:

```
<updateProductRelationshipResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateProductRelationshipResponse>
```

Element: updateProductRequest

Description

An **updateProductRequest** message contains an element of updateProductRequestType.

Derived By

Type updateProductRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	updateProductDataType	1..*	Required. An **updateProductRequest** contains an array of **product** elements to be modified. See updateProductDataType.

Referenced By

Name	Type
updateProduct	Method

XML Example

The following XML fragment illustrates a **updateProductRequest** message:

```
<updateProductRequest>
  <product>
    <productIdentifier>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </productIdentifier>
    <licenseModels>
      <licenseModelIdentifiers>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </licenseModelIdentifiers>
      <opType>DELETE</opType>
    </licenseModels>
  </product>
</updateProductRequest>
```

Element: updateProductResponse

Description

An **updateProductResponse** message contains an element of updateProductResponseType.

Each product in the **updateProductRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about products that were modified successfully.

Derived By

Type updateProductResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All products in the request were processed.
PARTIAL_FAILURE—Some, but not all products in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the products in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateProductDataListType</td><td>0..1</td><td>Information about the products that were not modified is listed in the failedData element. See failedUpdateProductDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateProduct	Method

XML Example

The following XML fragment illustrates a successful **updateProductResponse** message:

```
<updateProductResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateProductResponse>
```

Element: updateUniformSuiteRequest

Description

An **updateUniformSuiteRequest** message contains an element of updateUniformSuiteRequestType.

Derived By

Type updateUniformSuiteRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniformSuite	updateUniformSuiteDataType	1..*	Required. An **updateUniformSuiteRequest** contains an array of **uniformSuite** elements to be modified. See updateUniformSuiteDataType.

Referenced By

Name	Type
updateUniformSuite	Method

XML Example

The following XML fragment illustrates a **updateUniformSuiteRequest** message:

```
<updateUniformSuiteRequest>
  <uniformSuite>
    <suiteIdentifier>
      <primaryKeys>
        <name>S1</name>
```

XML Example

```
        <version>1.0</version>
      </primaryKeys>
    </suiteIdentifier>
    <description>Desc of S1</description>
    <productAttributes>
      <attribute>
        <attributeName>PROD_NUM</attributeName>
        <integerValue>5</integerValue>
      </attribute>
    </productAttributes>
  </uniformSuite>
</updateUniformSuiteRequest>
```

Element: updateUniformSuiteResponse

Description

An **updateUniformSuiteResponse** message contains an element of updateUniformSuiteResponseType.

Each suite in the **updateUniformSuiteRequest** is modifed as an atomic unit; modifying each either succeeds or fails. No specific information is returned about suites that were modified successfully.

Derived By

Type updateUniformSuiteResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All suites in the request were processed.
PARTIAL_FAILURE—Some, but not all suites in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the suites in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateUniformSuiteDataListType</td><td>0..1</td><td>Information about the suites that were not modified is listed in the failedData element. See failedUpdateUniformSuiteDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUniformSuite	Method

XML Example

The following XML fragment illustrates a **updateUniformSuiteResponse** message:

```
<updateUniformSuiteResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateUniformSuiteResponse>
```

EntitlementOrderService Web Service

Description

Web service to create, update, delete, count and query entitlements.

Introduction

The Entitlement Order service facilitates the integration of your ERP/CRM system with FlexNet Operations by creating regular and bulk entitlements.

Methods: EntitlementOrderService

Methods

Name	Description
createBulkEntitlement	The **createBulkEntitlement** operation creates one or more bulk entitlements. To use the Entitlement Order service to create an entitlement, there must be deployed products and license models in the FlexNet Operations database, and there must be organizations in the FlexNet Operations database. You must provide any entitlement-time data that are required by the specified license model.
createEntitlementLineItem	The **createEntitlementLineItem** operation adds one or more entitlement line items to a simple entitlement.
createSimpleEntitlement	The **createSimpleEntitlement** operation creates one or more simple entitlements. To use the Entitlement Order service to create an entitlement: • There must be deployed products and license models in the FlexNet Operations database. • There must be organizations in the FlexNet Operations database. • You must provide any entitlement-time data that are required by the specified license model. ***Note:*** *Using the createSimpleEntitlement operation, it is possible to create a simple entitlement with no line items. Such an entitlement cannot be created through the Administrative Console. One created with web services will not appear in the Administrative Console, though it is saved in the FlexNet Operations database. Therefore, avoid using the createSimpleEntitlement operation to create an entitlement with no line items or with only maintenance items.*
createWebRegKey	The **createWebRegKey** operation adds one or more web register keys to one or more bulk entitlements, either asynchronously or synchronously. By default, web register key creation is asynchronous. To use the Entitlement Order service to load web register keys: There must be bulk entitlements in the FlexNet Operations database. If web register keys are going to be imported asynchronously, the **Importing Bulk Entitlement Web Register Keys** alert must be configured. See the FlexNet Operations Online Help for instructions. Before checking whether the web register keys were really added, wait until after the import has triggered. With synchronous processing, the Web services client will be blocked until the request is completely processed. Therefore, use synchronous processing to load only for small numbers of web register keys at a time. The **Importing Bulk Entitlement Web Register Keys** alert does not have to be configured to load web register keys synchronously.
deleteEntitlement	The **deleteEntitlement** operation deletes one or more entitlements.
deleteEntitlementLineItem	The **deleteEntitlementLineItem** operation deletes one or more line items.
deleteMaintenanceLineItem	The **deleteMaintenanceLineItem** operation deletes one or more maintenance line items. A maintenance item cannot be deleted if it is linked to another line item or is deployed
deleteWebRegKey	The **deleteWebRegKey** operation deletes one or more unredeemed web register keys from one or more bulk entitlements. To use the Entitlement Order service to delete web register keys there must be unredeemed web register keys in the FlexNet Operations database.

Methods

Name	Description
emailActivatableItem	The **emailActivatableItem** operation sends an entitlement certificate for a single activatable item via email. To send an entitlement certificate for an activatable item as an email attachment using the Entitlement Order service: • Configure the from-address for the entitlement email. See the*FlexNet Operations Installation Guide.* • Customize the entitlement email template and entitlement certificate template, if necessary. See the *FlexNet Operations Producer Portal Help Guide*. • An activation ID for an activatable item must exist in the database. • At least one email address must be provided.
emailEntitlement	The **emailEntitlement** operation sends an entitlement certificate via email. To send an entitlement certificate as an email attachment using the Entitlement Order service: • Configure the from-address for the entitlement email. See the *FlexNet Operations Installation Guide*. • Customize the entitlement email template and entitlement certificate template, if necessary. See the *FlexNet Operations Producer Portal Help Guide*. • An ID for an entitlement must exist in the database. • At least one email address must be provided.
getActivatableItemCount	The **getActivatableItemCount** operation returns the number of activatable line items that match specified criteria.
getActivatableItemsQuery	The **getActivatableItemsQuery** operation returns the activatable line items that match specified criteria. ***Note:*** *This operation does not return maintenance line items.*
getBulkEntitlementCount	The **getBulkEntitlementCount** operation returns the number of bulk entitlements that match specified criteria.
getBulkEntitlementPropertiesQuery	The **getBulkEntitlementPropertiesQuery** operation returns the bulk entitlement details that match specified criteria.
getEntitlementAttributesFromModel	The **getEntitlementAttributesFromModel** operation returns all the license model attributes for the specified model that must be specified at the time the entitlement is created.
getEntitlementCount	The **getEntitlementCount** operation returns the number of entitlements that match specified criteria.

Methods

Name	Description
getEntitlementLineItemPropertiesQuery	The **getEntitlementLineItemPropertiesQuery** operation returns all entitlement line items and web register keys based on the provided search criteria, including draft entries. This operation works similarly to the operation getActivatableItemsQuery. However, the response from getEntitlementLineItemPropertiesQuery is highly configurable. You can use it to select only the data you need in a given response. ***Note:*** *With this query, maintenance line items will not be returned if the product type Maintenance is used in the search criteria. Associated maintenance line items can be obtained by using the new response configuration element maintenance.* *Use caution when crafting queries that may return excessive numbers of responses. The following error, ORA-01795: maximum number of expressions in a list is 1000, has be seen when performing searches via FlexNet Operations landing pages or web service queries when:* 1. *FlexNet Operations is connected to an Oracle database* 2. *Certain types of searches in the UI or web services return > 1000 items, for example, the entitlements or line item landing pages and getEntitlementsQuery or getEntitlementLineItemPropertiesQuery.* *If the error is seen in the FlexNet Operations UI, consider setting the Entitlement Records per Page and Line Items Page Size per Entitlement settings to 1000 or less. If the error is seen in a web service query, set the batch size to 1000 or less and page through the results.*
getEntitlementsQuery	The **getEntitlementsQuery** operation returns the entitlements that match specified criteria. ***Tip:****For more optimal memory usage, consider using getActivatableItemsQuery instead of getEntitlementsQuery to retrieve policy information for a particular line item. getActivatableItemsQuery loads only the information for the specified activation while getEntitlementsQuery loads information for the all the activations for a given EntitlementID. See* getActivatableItemsQuery.
getExactAvailableCount	The **getExactAvailableCount** operation provides the exact, current available count for a specified line item. This operation allows users to obtain a potentially more precise count than those available in the administrative console UI or via other web service operations. The FlexNet Operations UI and other web service operations do not evaluate the count of available copies when an upgrade is created. Therefore it is possible to create an upgrade count that exceeds the number of available copies; however, the count is evaluated at fulfillment time. On fulfillment, upgrades that exceed the available count are rejected. To avoid errors at fulfillment time, users may use getExactAvailableCount, which returns exact number of copies available for an upgrade fulfillment, for example, without having to return any previous fulfillments.

Methods

Name	Description
getMatchingBulkEnts	The **getMatchingBulkEnts** operation returns bulk entitlements suitable to receive the web register keys from a splitBulkEntitlement operation. The getMatchingBulkEnts operation searches for bulk entitlements with the target organization in the target tier that match the bulk entitlement you want to split. Any bulk entitlement returned by this operation can receive the web register keys as the result of the split operation. To be considered a match, the bulk entitlement that is the target of the split must share the following attributes with the bulk entitlement that is the source of the split: • Orderable • License model • License term (permanent, expiration date, duration) • Version date details (options, date, duration) • Line item state • License model policies • License model attributes
getMatchingLineItems	The **getMatchingLineItems** operation returns line items suitable to receive the count from a **splitLineItem** operation. The **getMatchingLineItems** operation searches for entitlement line items in entitlements with the target organization in the target tier that match the line item you want to split. Any line item returned by this operation can receive the counts as the result of the split operation. To be considered a matching line item, the line item that is the target of the split must share the following attributes with the line item that is the source of the split: • Orderable • License model • License term (permanent, expiration date, duration) • Version date details (options, date, duration) • Line item state • License model policies • License model attributes ***Note:*** *If the source line item has a parent line item, then the entire ancestor tree is scanned to ensure that the parent line items of the target line item also match.*
getStateChangeHistory	The **getStateChangeHistory** operation gets the state change history of one or more features, feature bundles, products, license models, or entitlements.

Methods

Name	Description
getWebRegKeyCount	The **getWebRegKeyCount** operation returns the number of web register keys associated with a specified bulk entitlement.
getWebRegKeysQuery	The **getWebRegKeysQuery** operation returns the part numbers that match specified criteria.
linkMaintenanceLineItem	The **linkMaintenanceLineItem** operation is used to link a maintenance line item to a licensed product line item. As in the Administrative Console, there does not need to be an explicitly specified product-maintenance relationship between the licensed product and maintenance product on these line items.
mapEntitlementsToUser	The **mapEntitlementsToUser** operation maps one or more entitlement IDs or activation IDs to a self-registered Portal user or maps one or more web register keys to a user from a customer organization. To use the Entitlement Order service to map entitlement IDs or activation IDs to a user, there must be entitlements in the FlexNet Operations database as well as a self-registered Portal user or customer user in the FlexNet Operations database.
mergeEntitlements	The **mergeEntitlements** operation merges assets of one organization with those of another organization. The following types of assets can be merged: • Entitlements and fulfillments—The state of the transferred entitlements and fulfillments are preserved during the merge. • Users
renewLicense	The **renewLicense** operation renews one or more entitlement line items.
replaceEntitlementLineItem	The **replaceEntitlementLineItem** operation replaces one or more entitlement line items.
setEntitlementState	The **setEntitlementState** operation sets the state of one or more entitlements.
setLineItemState	The **setLineItemState** operation sets the state of one or more entitlement line items.
setMaintenanceLineItemState	The **setMaintenanceLineItemState** operation sets the state of a maintenance line item.
splitBulkEntitlement	The **splitBulkEntitlement** operation assigns a specified number of unredeemed web register keys to a related organization in a different distribution tier. The web register keys that are split can be transfered to: • A compatible existing bulk entitlement (transfers the web register keys to that bulk entitlement). • An existing line item that has been redeemed from a compatible web register key (adds the counts from the transferred web register keys to the count of the line item). • A new bulk entitlement. Only publisher users, or channel partner users with sufficient privileges in the organization that is the current owner, can perform a splitBulkEntitlement operation. ***Note:*** *You cannot control the specific web register keys that splitBulkEntitlement transfers.*

Methods

Name	Description
splitLineItem	The **splitLineItem** operation assigns some portion of an entitlement line item's count from the current owner to a related organization in a different distribution tier. This operation can either increase the count of an existing entitlement line item at the target organization or create a new entitlement, if no matching entitlements exist at the target organization. Only publisher users, or channel partner users with sufficient privileges in the organization that is the current owner, can perform a **splitLineItem** operation. ***Note:*** *When a line item associated with a maintenance is split, the maintenance is also split. Likewise, when a new entitlement is created as the result of a split, a new maintenance is created and associated with the new entitlement.*
transferEntitlement	The **transferEntitlement** operation transfers one or more entitlements to an organization different from the original sold-to organization. Entitlements cannot be transferred if there are active fulfillments against the entitlement. During the transfer operation, active fulfillments can be returned and new entitlement and activation IDs can be auto-generated. Entitlements are in the draft state after they are transferred.
transferLineItem	The **transferLineItems** operation transfers one or more entitlement line items from one entitlement to another existing entitlement. Entitlement line items cannot be transferred if there are active fulfillments against them. During the transfer operation, active fulfillments can be returned and new activation IDs can be auto-generated.
unlinkMaintenanceLineItem	The **unlinkMaintenanceLineItem** operation removes the link between a maintenance line item and a licensed product line item.
updateBulkEntitlement	The **updateBulkEntitlement** operation modifies one or more bulk entitlements.
updateEntitlementLineItem	The **updateEntitlementLineItem** updates one or more entitlement line items.
updateSimpleEntitlement	The **updateSimpleEntitlement** operation modifies one or more simple entitlements.
upgradeLicense	The **upgradeLicense** operation upgrades one or more entitlement line items.
upsellLicense	The **upsellLicense** operation upsells one or more entitlement line items. See upgradeLicense.

Method: createBulkEntitlement

Description

The **createBulkEntitlement** operation creates one or more bulk entitlements. To use the Entitlement Order service to create an entitlement, there must be deployed products and license models in the FlexNet Operations database, and there must be organizations in the FlexNet Operations database. You must provide any entitlement-time data that are required by the specified license model.

Parameters

Name	Type	Direction	Description
msgparameters	createBulkEntitlementRequestType	Input	See createBulkEntitlementRequestType.

Returns

A createBulkEntitlementResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedBulkEntitlementDataListType	Information about the entitlements that were not added is listed in the **failedData** element. See failedBulkEntitlementDataListType.
responseData	createdBulkEntitlementDataListType	Information about the entitlements that were added is listed in the **responseData** element. See createdBulkEntitlementDataListType.

Method: createEntitlementLineItem

Description

The **createEntitlementLineItem** operation adds one or more entitlement line items to a simple entitlement.

Parameters

Name	Type	Direction	Description
msgparameters	addOnlyEntitlementLineItemRequestType	Input	See addOrReplaceEntitlementLineItemRequestType.

Returns

A createEntitlementLineItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed.
• FAILURE—None of the items in the request were processed.
If the opType is CREATE_OR_IGNORE, then, the operation finds out if the line item was present – if present, it ignores the line item and proceeds with the next line item. If the line item was not present, it will create that item. All items that are ignored will be copied to the responseData of the response.
If the opType is CREATE_OR_UPDATE, then the operation updates the line item if present, otherwise creates it.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedAddEntitlementLineItemDataListType</td><td>See failedAddEntitlementLineItemDataListType.</td></tr>
<tr><td>responseData</td><td>addedEntitlementLineItemDataListType</td><td>See addedEntitlementLineItemDataListType.</td></tr>
</table>

Method: createSimpleEntitlement

Description

The **createSimpleEntitlement** operation creates one or more simple entitlements. To use the Entitlement Order service to create an entitlement:

- There must be deployed products and license models in the FlexNet Operations database.
- There must be organizations in the FlexNet Operations database.
- You must provide any entitlement-time data that are required by the specified license model.

Note: *Using the createSimpleEntitlement operation, it is possible to create a simple entitlement with no line items. Such an entitlement cannot be created through the Administrative Console. One created with web services will not appear in the Administrative Console, though it is saved in the FlexNet Operations database. Therefore, avoid using the createSimpleEntitlement operation to create an entitlement with no line items or with only maintenance items.*

Parameters

Name	Type	Direction	Description
msgparameters	createSimpleEntitlementRequestType	Input	See createSimpleEntitlementRequestType.

Returns

A createSimpleEntitlementResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.
When the opType is either CREATE_OR_UPDATE or CREATE_OR_IGNORE, the Entitlement response and the Line Item response together result in the final response.
Both the Entitlement response and the Line Item response must be a success for the final result to be a success.
If one is a success and the other is a failure, the final result is a failure.
If one is a partial failure and one is a failure, the final result is a failure.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
		<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedSimpleEntitlementDataListType	Information about the entitlements that were not added is listed in the **failedData** element. See failedSimpleEntitlementDataListType.
responseData	createdSimpleEntitlementDataListType	Information about the entitlements that were added is listed in the **responseData** element. See createdSimpleEntitlementDataListType.

Method: createWebRegKey

Description

The **createWebRegKey** operation adds one or more web register keys to one or more bulk entitlements, either asynchronously or synchronously. By default, web register key creation is asynchronous. To use the Entitlement Order service to load web register keys:

There must be bulk entitlements in the FlexNet Operations database.

If web register keys are going to be imported asynchronously, the **Importing Bulk Entitlement Web Register Keys** alert must be configured. See the FlexNet Operations Online Help for instructions. Before checking whether the web register keys were really added, wait until after the import has triggered. With synchronous processing, the Web services client will be blocked until the request is completely processed. Therefore, use synchronous processing to load only for small numbers of web register keys at a time. The **Importing Bulk Entitlement Web Register Keys** alert does not have to be configured to load web register keys synchronously.

Parameters

Name	Type	Direction	Description
msgparameters	addWebRegKeyRequestType	Input	See addWebRegKeyRequestType.

Returns

A addWebRegKeyResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
responseData	webRegKeyDataListType	Information about the web register keys that were added is listed in the **responseData** element. See webRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are not autogenerated.
failedData	failedAddWebRegKeyDataListType	Information about the web register keys that were not added is listed in the **failedData** element. See failedAddWebRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are autogenerated.

Method: deleteEntitlement

Description

The **deleteEntitlement** operation deletes one or more entitlements.

Parameters

Name	Type	Direction	Description
msgparameters	deleteEntitlementRequestType	Input	See deleteEntitlementRequestType.

Returns

A deleteEntitlementResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteEntitlementDataListType</td><td>Information about the entitlements that were not deleted is listed in the failedData element. See failedDeleteEntitlementDataListType.</td></tr>
</table>

Method: deleteEntitlementLineItem

Description

The **deleteEntitlementLineItem** operation deletes one or more line items.

Parameters

Name	Type	Direction	Description
msgparameters	removeEntitlementLineItemRequestType	Input	See removeEntitlementLineItemRequestType.

Returns

A removeEntitlementLineItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRemoveEntitlementLineItemDataListType</td><td>Information about the entitlements that were not deleted is listed in the failedData element. See failedRemoveEntitlementLineItemDataListType.</td></tr>
</table>

Method: deleteMaintenanceLineItem

Description

The **deleteMaintenanceLineItem** operation deletes one or more maintenance line items. A maintenance item cannot be deleted if it is linked to another line item or is deployed

Parameters

Name	Type	Direction	Description
msgparameters	deleteMaintenanceLineItemRequestType	Input	See deleteMaintenanceLineItemRequestType.

Returns

A deleteMaintenanceLineItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteMaintenanceLineItemDataListType</td><td>Information about the maintenance line items that were not deleted is listed in the failedData element. See failedDeleteMaintenanceLineItemDataListType.</td></tr>
</table>

Method: deleteWebRegKey

Description

The **deleteWebRegKey** operation deletes one or more unredeemed web register keys from one or more bulk entitlements. To use the Entitlement Order service to delete web register keys there must be unredeemed web register keys in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	deleteWebRegKeyRequestType	Input	See deleteWebRegKeyRequestType.

Returns

A deleteWebRegKeyResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
failedData	failedDeleteWebRegKeyListType	Information about the web register keys that were not deleted is listed in the failedData element. See failedDeleteWebRegKeyListType.

Method: emailActivatableItem

Description

The **emailActivatableItem** operation sends an entitlement certificate for a single activatable item via email. To send an entitlement certificate for an activatable item as an email attachment using the Entitlement Order service:

- Configure the from-address for the entitlement email. See the*FlexNet Operations Installation Guide.*
- Customize the entitlement email template and entitlement certificate template, if necessary. See the *FlexNet Operations Producer Portal Help Guide*.
- An activation ID for an activatable item must exist in the database.
- At least one email address must be provided.

Parameters

Name	Type	Direction	Description
msgparameters	emailActivatableItemRequestType	Input	See emailActivatableItemRequestType.

Returns

A emailActivatableItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Method: emailEntitlement

Description

The **emailEntitlement** operation sends an entitlement certificate via email. To send an entitlement certificate as an email attachment using the Entitlement Order service:

- Configure the from-address for the entitlement email. See the *FlexNet Operations Installation Guide*.
- Customize the entitlement email template and entitlement certificate template, if necessary. See the *FlexNet Operations Producer Portal Help Guide*.
- An ID for an entitlement must exist in the database.
- At least one email address must be provided.

Parameters

Name	Type	Direction	Description
msgparameters	emailEntitlementRequestType	Input	See emailEntitlementRequestType.

Returns

A emailEntitlementResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Method: getActivatableItemCount

Description

The **getActivatableItemCount** operation returns the number of activatable line items that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getActivatableItemCountRequestType	Input	See getActivatableItemCountRequestType.

Returns

A getActivatableItemCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
count	integer	Number of activatable items that matched the specified criteria.

Method: getActivatableItemsQuery

Description

The **getActivatableItemsQuery** operation returns the activatable line items that match specified criteria.

Note: *This operation does not return maintenance line items.*

Parameters

Name	Type	Direction	Description
msgparameters	searchActivatableItemRequestType	Input	See searchActivatableItemRequestType.

Returns

A searchActivatableItemResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
activatableItem	activatableItemDetailType	See activatableItemDetailType.

Method: getBulkEntitlementCount

Description

The **getBulkEntitlementCount** operation returns the number of bulk entitlements that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getBulkEntitlementCountRequestType	Input	See getBulkEntitlementCountRequestType.

Returns

A getBulkEntitlementCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
count	integer	Number of bulk entitlements matching the specified criteria.

Method: getBulkEntitlementPropertiesQuery

Description

The **getBulkEntitlementPropertiesQuery** operation returns the bulk entitlement details that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getBulkEntitlementPropertiesRequestType	Input	See getBulkEntitlementPropertiesRequestType.

Returns

A getBulkEntitlementPropertiesResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
bulkEntitlement	bulkEntitlementPropertiesType	See bulkEntitlementPropertiesType.

Method: getEntitlementAttributesFromModel

Description

The **getEntitlementAttributesFromModel** operation returns all the license model attributes for the specified model that must be specified at the time the entitlement is created.

Parameters

Name	Type	Direction	Description
msgparameters	getEntitlementAttributesRequestType	Input	See getEntitlementAttributesRequestType.

Returns

A getEntitlementAttributesResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
entitlementAttributes	attributeMetaDescriptorDataType	A list of license model attributes that are set at entitlement time are contained in the **entitlementAttributes** element. See attributeMetaDescriptorDataType.
policyAttributes	policyAttributesDataType	A list of policy attributes that are set at entitlement time are contained in the policyAttributes element. See policyAttributesDataType.
needTimeZone	boolean	True if the license model includes the TZ keyword and allows it to be set at entitlement time; otherwise, false.

Method: getEntitlementCount

Description

The **getEntitlementCount** operation returns the number of entitlements that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getEntitlementCountRequestType	Input	See getEntitlementCountRequestType.

Returns

A getEntitlementCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
count	integer	Number of entitlements matching the specified criteria.

Method: getEntitlementLineItemPropertiesQuery

Description

The **getEntitlementLineItemPropertiesQuery** operation returns all entitlement line items and web register keys based on the provided search criteria, including draft entries.

This operation works similarly to the operation getActivatableItemsQuery. However, the response from

Description

getEntitlementLineItemPropertiesQuery is highly configurable. You can use it to select only the data you need in a given response.

Note: *With this query, maintenance line items will not be returned if the product type Maintenance is used in the search criteria. Associated maintenance line items can be obtained by using the new response configuration element maintenance.*

Use caution when crafting queries that may return excessive numbers of responses. The following error, ORA-01795: maximum number of expressions in a list is 1000, has be seen when performing searches via FlexNet Operations landing pages or web service queries when:

1. *FlexNet Operations is connected to an Oracle database*
2. *Certain types of searches in the UI or web services return > 1000 items, for example, the entitlements or line item landing pages and getEntitlementsQuery or getEntitlementLineItemPropertiesQuery.*

If the error is seen in the FlexNet Operations UI, consider setting the Entitlement Records per Page and Line Items Page Size per Entitlement settings to 1000 or less. If the error is seen in a web service query, set the batch size to 1000 or less and page through the results.

Parameters

Name	Type	Direction	Description
msgparameters	searchEntitlementLineItemPropertiesRequestType	Input	See searchEntitlementLineItemPropertiesRequestType.

Returns

A searchEntitlementLineItemPropertiesResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlementLineItem</td><td>entitlementLineItemPropertiesType</td><td>See entitlementLineItemPropertiesType.</td></tr>
</table>

Method: getEntitlementsQuery

Description

The **getEntitlementsQuery** operation returns the entitlements that match specified criteria.

Tip:*For more optimal memory usage, consider using getActivatableItemsQuery instead of getEntitlementsQuery to retrieve policy information for a particular line item. getActivatableItemsQuery loads only the information for the specified activation while getEntitlementsQuery loads information for the all the activations for a given EntitlementID. See* getActivatableItemsQuery.

Parameters

Name	Type	Direction	Description
msgparameters	searchEntitlementRequestType	Input	See searchEntitlementRequestType.

Returns

A searchEntitlementResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlement</td><td>entitlementDataType</td><td>See entitlementDataType.</td></tr>
</table>

Method: getExactAvailableCount

Description

The **getExactAvailableCount** operation provides the exact, current available count for a specified line item. This operation allows users to obtain a potentially more precise count than those available in the administrative console UI or via other web service operations.

The FlexNet Operations UI and other web service operations do not evaluate the count of available copies when an upgrade is created. Therefore it is possible to create an upgrade count that exceeds the number of available copies; however, the count is evaluated at fulfillment time. On fulfillment, upgrades that exceed the available count are rejected. To avoid errors at fulfillment time, users may use getExactAvailableCount, which returns exact number of copies available for an upgrade fulfillment, for example, without having to return any previous fulfillments.

Parameters

Name	Type	Direction	Description
msgparameters	getExactAvailableCountRequestType	Input	See getExactAvailableCountRequestType.

Returns

A getExactAvailableCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
count	integer	The exact available count for the line item requested.

Method: getMatchingBulkEnts

Description

The **getMatchingBulkEnts** operation returns bulk entitlements suitable to receive the web register keys from a splitBulkEntitlement operation. The getMatchingBulkEnts operation searches for bulk entitlements with the target organization in the target tier that match the bulk entitlement you want to split. Any bulk entitlement returned by this operation can receive the web register keys as the result of the split operation.

To be considered a match, the bulk entitlement that is the target of the split must share the following attributes with the bulk entitlement that is the source of the split:

Description

- Orderable
- License model
- License term (permanent, expiration date, duration)
- Version date details (options, date, duration)
- Line item state
- License model policies
- License model attributes

Parameters

Name	Type	Direction	Description
msgparameters	getMatchingBulkEntsRequestType	Input	See getMatchingBulkEntsRequestType.

Returns

A getMatchingBulkEntsResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMatchingBulkEntsResponseListType</td><td>Information about bulk entitlements in the target organization that match the bulk entitlement you plan to split is listed in the responseData element. See getMatchingBulkEntsResponseListType.</td></tr>
<tr><td>failedData</td><td>failedMatchingBulkEntsListType</td><td>Information about the bulk entitlement that could not be matched to bulk entitlements in the target organization is in the failedData element. See failedMatchingBulkEntsListType.</td></tr>
</table>

Method: getMatchingLineItems

Description

The **getMatchingLineItems** operation returns line items suitable to receive the count from a **splitLineItem** operation. The **getMatchingLineItems** operation searches for entitlement line items in entitlements with the target organization in the target tier that match the line item you want to split. Any line item returned by this operation can receive the counts as the result of the split operation.

To be considered a matching line item, the line item that is the target of the split must share the following attributes with the line item that is the source of the split:

- Orderable
- License model

Description

- License term (permanent, expiration date, duration)
- Version date details (options, date, duration)
- Line item state
- License model policies
- License model attributes

Note: *If the source line item has a parent line item, then the entire ancestor tree is scanned to ensure that the parent line items of the target line item also match.*

Parameters

Name	Type	Direction	Description
msgparameters	getMatchingLineItemsRequestType	Input	See getMatchingLineItemsRequestType.

Returns

A getMatchingLineItemsResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMatchingLineItemsResponseListType</td><td>Information about entitlement line items in the target organization that match the line item you plan to split is listed in the responseData element. See getMatchingLineItemsResponseListType.</td></tr>
<tr><td>failedData</td><td>failedMatchingLineItemsListType</td><td>Information about the entitlement line item that could not be matched to line items in the target organization is in the failedData element. See Table failedMatchingLineItemsListType.</td></tr>
</table>

Method: getStateChangeHistory

Description

The **getStateChangeHistory** operation gets the state change history of one or more features, feature bundles, products, license models, or entitlements.

Parameters

Name	Type	Direction	Description
msgparameters	getStateChangeHistoryRequestType	Input	See getStateChangeHistoryRequestType.

Returns

A getStateChangeHistoryResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>stateChangeResponseType</td><td>See stateChangeResponseType.</td></tr>
</table>

Method: getWebRegKeyCount

Description

The **getWebRegKeyCount** operation returns the number of web register keys associated with a specified bulk entitlement.

Parameters

Name	Type	Direction	Description
msgparameters	getWebRegKeyCountRequestType	Input	See getWebRegKeyCountRequestType.

Returns

A getWebRegKeyCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
responseData	webRegKeyCountDataType	See webRegKeyCountDataType.

Method: getWebRegKeysQuery

Description

The **getWebRegKeysQuery** operation returns the part numbers that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getWebRegKeysQueryRequestType	Input	See getWebRegKeysQueryRequestType.

Returns

A getWebRegKeysQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Returns

Name	Type	Description
responseData	webRegKeysDataListType	See webRegKeysDataListType.

Method: linkMaintenanceLineItem

Description

The **linkMaintenanceLineItem** operation is used to link a maintenance line item to a licensed product line item. As in the Administrative Console, there does not need to be an explicitly specified product-maintenance relationship between the licensed product and maintenance product on these line items.

Parameters

Name	Type	Direction	Description
msgparameters	linkMaintenanceLineItemRequestType	Input	See linkMaintenanceLineItemRequestType.

Returns

A linkMaintenanceLineItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLinkMaintenanceLineItemListType</td><td>See failedLinkMaintenanceLineItemListType.</td></tr>
</table>

Method: mapEntitlementsToUser

Description

The **mapEntitlementsToUser** operation maps one or more entitlement IDs or activation IDs to a self-registered Portal user or maps one or more web register keys to a user from a customer organization. To use the Entitlement Order service to map entitlement IDs or activation IDs to a user, there must be entitlements in the FlexNet Operations database as well as a self-registered Portal user or customer user in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	mapEntitlementsToUserRequestType	Input	See mapEntitlementsToUserRequestType.

Returns

A mapEntitlementsToUserResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMapEntitlementsToUserDataListType</td><td>Information about the IDs that were not mapped to the user is listed in the failedData element. See failedMapEntitlementsToUserDataListType.</td></tr>
</table>

Method: mergeEntitlements

Description

The **mergeEntitlements** operation merges assets of one organization with those of another organization. The following types of assets can be merged:

- Entitlements and fulfillments—The state of the transferred entitlements and fulfillments are preserved during the merge.
- Users

Parameters

Name	Type	Direction	Description
msgparameters	mergeEntitlementsRequestType	Input	See mergeEntitlementsRequestType.

Returns

A mergeEntitlementsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Method: renewLicense

Description

The **renewLicense** operation renews one or more entitlement line items.

Parameters

Name	Type	Direction	Description
msgparameters	renewEntitlementRequestType	Input	See renewEntitlementRequestType.

Returns

A renewLicenseResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRenewEntitlementDataListType</td><td>Information about the entitlements that were not renewed is listed in the failedData element. See failedRenewEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdRenewEntitlementDataListType</td><td>Information about the entitlements that were renewed is listed in the responseData element. See createdRenewEntitlementDataListType.</td></tr>
</table>

Method: replaceEntitlementLineItem

Description

The **replaceEntitlementLineItem** operation replaces one or more entitlement line items.

Parameters

Name	Type	Direction	Description
msgparameters	replaceOnlyEntitlementLineItemRequestType	Input	See addOrReplaceEntitlementLineItemRequestType.

Returns

A replaceEntitlementLineItemResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedAddEntitlementLineItemDataListType</td><td>See failedAddEntitlementLineItemDataListType.</td></tr>
<tr><td>responseData</td><td>addedEntitlementLineItemDataListType</td><td>See addedEntitlementLineItemDataListType.</td></tr>
</table>

Method: setEntitlementState

Description

The **setEntitlementState** operation sets the state of one or more entitlements.

Parameters

Name	Type	Direction	Description
msgparameters	setEntitlementStateRequestType	Input	See setEntitlementStateRequestType.

Returns

A setEntitlementStateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedEntitlementStateDataListType</td><td>Information about the entitlements whose state was not set is listed in the failedData element. See failedEntitlementStateDataListType.</td></tr>
</table>

Method: setLineItemState

Description

The **setLineItemState** operation sets the state of one or more entitlement line items.

Parameters

Name	Type	Direction	Description
msgparameters	setLineItemStateRequestType	Input	See setLineItemStateRequestType.

Returns

A setLineItemStateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLineItemStateDataListType</td><td>Information about the line items whose state was not set is listed in the failedData element. See failedLineItemStateDataListType.</td></tr>
</table>

Method: setMaintenanceLineItemState

Description

The **setMaintenanceLineItemState** operation sets the state of a maintenance line item.

Parameters

Name	Type	Direction	Description
msgparameters	setMaintenanceLineItemStateRequestType	Input	See setMaintenanceLineItemStateRequestType.

Returns

A setMaintenanceLineItemStateResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.
failedMaintenanceData	failedMaintenanceLineItemStateDataListType	See failedMaintenanceLineItemStateDataListType.

Method: splitBulkEntitlement

Description

The **splitBulkEntitlement** operation assigns a specified number of unredeemed web register keys to a related organization in a different distribution tier. The web register keys that are split can be transfered to:

- A compatible existing bulk entitlement (transfers the web register keys to that bulk entitlement).
- An existing line item that has been redeemed from a compatible web register key (adds the counts from the transferred web register keys to the count of the line item).
- A new bulk entitlement.

Only publisher users, or channel partner users with sufficient privileges in the organization that is the current owner, can perform a splitBulkEntitlement operation.

Note: *You cannot control the specific web register keys that splitBulkEntitlement transfers.*

Parameters

Name	Type	Direction	Description
msgparameters	splitBulkEntitlementRequestType	Input	See splitBulkEntitlementRequestType.

Returns

A splitBulkEntitlementResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>splitBulkEntitlementResponseListType</td><td>Information about the bulk entitlement that was split, and optionally the bulk entitlement to which the split web register keys went, is listed in the responseData element. See splitBulkEntitlementResponseListType.</td></tr>
<tr><td>failedData</td><td>failedSplitBulkEntitlementListType</td><td>Information about an entitlement line item that was not split is listed in the failedData element. See failedSplitBulkEntitlementListType.</td></tr>
</table>

Method: splitLineItem

Description

The **splitLineItem** operation assigns some portion of an entitlement line item's count from the current owner to a related organization in a different distribution tier. This operation can either increase the count of an existing entitlement line item at the target organization or create a new entitlement, if no matching entitlements exist at the target organization. Only publisher users, or channel partner users with sufficient privileges in the organization that is the current owner, can perform a **splitLineItem** operation.

Note: *When a line item associated with a maintenance is split, the maintenance is also split. Likewise, when a new entitlement is created as the result of a split, a new maintenance is created and associated with the new entitlement.*

Parameters

Name	Type	Direction	Description
msgparameters	splitLineItemRequestType	Input	See splitLineItemRequestType.

Returns

A splitLineItemResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	splitLineItemResponseListType	Information about the entitlement line item that was split, and optionally the entitlement to which the split counts went, is listed in the **responseData** element. See splitLineItemResponseListType.
failedData	failedSplitLineItemListType	Information about an entitlement line item that was not split is listed in the **failedData** element. See failedSplitLineItemListType.

Method: transferEntitlement

Description

The **transferEntitlement** operation transfers one or more entitlements to an organization different from the original sold-to organization. Entitlements cannot be transferred if there are active fulfillments against the entitlement. During the transfer

Description

operation, active fulfillments can be returned and new entitlement and activation IDs can be auto-generated. Entitlements are in the draft state after they are transferred.

Parameters

Name	Type	Direction	Description
msgparameters	transferEntitlementsRequestType	Input	See transferEntitlementsRequestType

Returns

A transferEntitlementsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	transferredEntitlementsListType	Information about the entitlements that were transferred is listed in the responseData element. See transferredEntitlementsListType.
failedData	failedTransferEntitlementListType	Information about the entitlements that were not added is listed in the failedData element. See failedTransferEntitlementListType.

Method: transferLineItem

Description

The **transferLineItems** operation transfers one or more entitlement line items from one entitlement to another existing entitlement. Entitlement line items cannot be transferred if there are active fulfillments against them. During the transfer operation, active fulfillments can be returned and new activation IDs can be auto-generated.

Parameters

Name	Type	Direction	Description
msgparameters	transferLineItemsRequestType	Input	See transferLineItemsRequestType.

Returns

A transferLineItemsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	transferredLineItemsListType	Information about the entitlements that were transferred is listed in the responseData element. See transferredLineItesmsListType.
failedData	failedTransferLineItemListType	Information about the entitlements that were not added is listed in the failedData element. See failedTransferLineItemListType.

Method: unlinkMaintenanceLineItem

Description

The **unlinkMaintenanceLineItem** operation removes the link between a maintenance line item and a licensed product line item.

Parameters

Name	Type	Direction	Description
msgparameters	unlinkMaintenanceLineItemRequestType	Input	See unlinkMaintenanceLineItemRequestType.

Returns

A unlinkMaintenanceLineItemResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUnlinkMaintenanceLineItemListType	See failedUnlinkMaintenanceLineItemListType.

Method: updateBulkEntitlement

Description

The **updateBulkEntitlement** operation modifies one or more bulk entitlements.

Parameters

Name	Type	Direction	Description
msgparameters	updateBulkEntitlementRequestType	Input	See updateBulkEntitlementRequestType.

Returns

A updateBulkEntitlementResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateBulkEntitlementDataListType	Information about the entitlements that were not updated is listed in the failedData element. See failedUpdateBulkEntitlementDataListType.

Method: updateEntitlementLineItem

Description

The **updateEntitlementLineItem** updates one or more entitlement line items.

Parameters

Name	Type	Direction	Description
msgparameters	updateEntitlementLineItemRequestType	Input	See updateEntitlementLineItemRequestType.

Returns

A updateEntitlementLineItemResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateEntitlementLineItemDataListType	Information about the line items that were not updated is listed in the **failedData** element. See failedUpdateEntitlementLineItemDataListType.

Method: updateSimpleEntitlement

Description

The **updateSimpleEntitlement** operation modifies one or more simple entitlements.

Parameters

Name	Type	Direction	Description
msgparameters	updateSimpleEntitlementRequestType	Input	See updateSimpleEntitlementRequestType.

Returns

A updateSimpleEntitlementResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateSimpleEntitlementDataListType	Information about the entitlements that were not updated is listed in the **failedData** element. See failedUpdateSimpleEntitlementDataListType.

Method: upgradeLicense

Description

The **upgradeLicense** operation upgrades one or more entitlement line items.

Parameters

Name	Type	Direction	Description
msgparameters	EntitlementLifeCycleRequestType	Input	See EntitlementLifeCycleRequestType.

Returns

A upgradeLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedEntitlementLifeCycleDataListType	Information about the entitlements that were not upgraded is listed in the **failedData** element. See failedEntitlementLifeCycleDataListType.
responseData	createdEntitlementLifeCycleDataListType	Information about the entitlements that were upgraded is listed in the **responseData** element. See createdEntitlementLifeCycleDataListType.

Method: upsellLicense

Description

The **upsellLicense** operation upsells one or more entitlement line items. See upgradeLicense.

Parameters

Name	Type	Direction	Description
msgparameters	EntitlementLifeCycleRequestType	Input	See EntitlementLifeCycleRequestType.

Returns

A upsellLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedEntitlementLifeCycleDataListType	Information about the entitlements that were not upgraded is listed in the **failedData** element. See failedEntitlementLifeCycleDataListType.
responseData	createdEntitlementLifeCycleDataListType	Information about the entitlements that were upgraded is listed in the **responseData** element. See createdEntitlementLifeCycleDataListType.

Complex Types: EntitlementOrderService

Complex Types

Name
accountIdentifierType
accountPKType
acpiGenerationIdLicensePolicyDataType
activatableItemDetailType
addedEntitlementLineItemDataListType
addedEntitlementLineItemDataType
addEntitlementLineItemDataType
addOnlyEntitlementLineItemRequestType
addOnlyEntitlementLineItemResponseType
addressDataType
addWebRegKeyDataType
addWebRegKeyRequestType
addWebRegKeyResponseType
advancedReinstallPolicyType
attributeDescriptorDataType
attributeDescriptorType
attributeMetaDescriptorDataType
attributeMetaDescriptorType
bulkEntitlementDataType
bulkEntitlementPropertiesType
bulkEntitlementResponseConfigRequestType
cancelLicensePolicyDataType
channelPartnerDataListType
channelPartnerDataType
correlationDataType
createBulkEntitlementDataType
createBulkEntitlementRequestType
createBulkEntitlementResponseType
createdBulkEntitlementDataListType
createdBulkEntitlementDataType
createdEntitlementLifeCycleDataListType
createdEntitlementLifeCycleDataType
createdRenewEntitlementDataListType
createdRenewEntitlementDataType

Complex Types

Name
createdSimpleEntitlementDataListType
createdSimpleEntitlementDataType
createEntitlementLineItemDataType
createMaintenanceLineItemDataType
createSimpleEntitlementDataType
createSimpleEntitlementRequestType
createSimpleEntitlementResponseType
customAttributeDescriptorType
customAttributeQueryType
customAttributesQueryListType
deleteEntitlementDataType
deleteEntitlementRequestType
deleteEntitlementResponseType
deleteMaintenanceLineItemDataType
deleteMaintenanceLineItemRequestType
deleteMaintenanceLineItemResponseType
deleteWebRegKeyRequestType
deleteWebRegKeyResponseType
DurationType
emailActivatableItemRequestType
emailActivatableItemResponseType
emailContactListType
emailEntitlementRequestType
emailEntitlementResponseType
entCustomAttributeQueryType
entCustomAttributesQueryListType
entitledProductDataListType
entitledProductDataType
entitlementDataType
entitlementIdentifierType
entitlementLifeCycleDataType
EntitlementLifeCycleRequestType
EntitlementLifeCycleResponseType
entitlementLineItemDataType
entitlementLineItemIdentifierType

Complex Types

Name
entitlementLineItemPropertiesType
entitlementLineItemResponseConfigRequestType
entitlementListType
entitlementStateChangeDataType
entitlementStateChangeListType
entitlementStateDataType
expirationTermsDataType
extraActivationDataType
failedAddEntitlementLineItemDataListType
failedAddEntitlementLineItemDataType
failedAddWebRegKeyDataListType
failedAddWebRegKeyDataType
failedBulkEntitlementDataListType
failedBulkEntitlementDataType
failedDeleteEntitlementDataListType
failedDeleteEntitlementDataType
failedDeleteMaintenanceLineItemDataListType
failedDeleteMaintenanceLineItemDataType
failedDeleteWebRegKeyDataType
failedDeleteWebRegKeyListType
failedEntitlementLifeCycleDataListType
failedEntitlementLifeCycleDataType
failedEntitlementStateDataListType
failedEntitlementStateDataType
failedIdDataType
failedLineItemStateDataListType
failedLineItemStateDataType
failedLinkMaintenanceLineItemDataType
failedLinkMaintenanceLineItemListType
failedMaintenanceLineItemStateDataListType
failedMaintenanceLineItemStateDataType
failedMapEntitlementsToUserDataListType
failedMatchingBulkEntDataType
failedMatchingBulkEntsListType
failedMatchingLineItemDataType

Complex Types

Name
failedMatchingLineItemsListType
failedRemoveEntitlementLineItemDataListType
failedRemoveEntitlementLineItemDataType
failedRenewEntitlementDataListType
failedRenewEntitlementDataType
failedSimpleEntitlementDataListType
failedSimpleEntitlementDataType
failedSplitBulkEntitlementDataType
failedSplitBulkEntitlementListType
failedSplitLineItemDataType
failedSplitLineItemListType
failedTransferEntitlementDataType
failedTransferEntitlementListType
failedTransferLineItemDataType
failedTransferLineItemListType
failedUnlinkMaintenanceLineItemDataType
failedUnlinkMaintenanceLineItemListType
failedUpdateBulkEntitlementDataListType
failedUpdateBulkEntitlementDataType
failedUpdateEntitlementLineItemDataListType
failedUpdateEntitlementLineItemDataType
failedUpdateSimpleEntitlementDataListType
failedUpdateSimpleEntitlementDataType
featureBundleIdentifierType
featureBundleListType
featureBundleStateChangeDataType
featureBundleStateChangeListType
featureIdentifierType
featureListType
featureStateChangeDataType
featureStateChangeListType
fulfillmentIdentifierType
getActivatableItemCountRequestType
getActivatableItemCountResponseType
getBulkEntitlementCountRequestType

Complex Types

Name
getBulkEntitlementCountResponseType
getBulkEntitlementPropertiesRequestType
getBulkEntitlementPropertiesResponseType
getEntitlementAttributesRequestType
getEntitlementAttributesResponseType
getEntitlementCountRequestType
getEntitlementCountResponseType
getExactAvailableCountRequestType
getExactAvailableCountResponseType
getMatchingBulkEntInfoType
getMatchingBulkEntsListType
getMatchingBulkEntsRequestType
getMatchingBulkEntsResponseListType
getMatchingBulkEntsResponseType
getMatchingLineItemInfoType
getMatchingLineItemsListType
getMatchingLineItemsRequestType
getMatchingLineItemsResponseListType
getMatchingLineItemsResponseType
getStateChangeHistoryRequestType
getStateChangeHistoryResponseType
getWebRegKeyCountRequestType
getWebRegKeyCountResponseType
getWebRegKeysQueryRequestType
getWebRegKeysQueryResponseType
hostTypePKType
idListType
idType
licenseGeneratorIdentifierType
licenseModelIdentifierType
licenseModelListType
licenseModelStateChangeDataType
licenseModelStateChangeListType
licenseTechnologyIdentifierType
licenseTechnologyPKType

Complex Types

Name
lifeCycleLineItemDataType
lineItemCustomAttributeQueryType
lineItemCustomAttributesQueryListType
lineItemLifeCycleDataType
lineItemStateDataType
linkMaintenanceLineItemDataType
linkMaintenanceLineItemListType
linkMaintenanceLineItemRequestType
linkMaintenanceLineItemResponseType
maintenanceIdentifierType
maintenanceLineItemDataType
maintenanceLineItemPropertiesType
maintenanceLineItemStateDataType
mapEntitlementsToUserRequestType
mapEntitlementsToUserResponseType
matchingBulkEntDataType
matchingLineItemDataType
mergeEntitlementsRequestType
mergeEntitlementsResponseType
newEntitlementLineItemDataType
organizationIdentifierType
organizationPKType
OrgTypeList
PartnerTierQueryType
partNumberIdentifierType
partNumberIdentifierWithModelType
partNumberPKType
policyAttributesDataType
policyAttributesListType
policyTermType
productIdentifierType
productIdentifierWithCountDataType
productListType
productPKType
productStateChangeDataType

Complex Types

Name
productStateChangeListType
reinstallPolicyDataType
removeEntitlementLineItemDataType
removeEntitlementLineItemRequestType
removeEntitlementLineItemResponseType
renewedEntitlementLineItemDataType
renewEntitlementDataType
renewEntitlementRequestType
renewEntitlementResponseType
renewLineItemDataType
renewParametersDataType
replaceOnlyEntitlementLineItemRequestType
replaceOnlyEntitlementLineItemResponseType
roleIdentifierType
rolePKType
searchActivatableItemDataType
searchActivatableItemRequestType
searchActivatableItemResponseType
searchBulkEntitlementDataType
searchEntitlementDataType
searchEntitlementLineItemPropertiesRequestType
searchEntitlementLineItemPropertiesResponseType
searchEntitlementRequestType
searchEntitlementResponseType
setEntitlementStateRequestType
setEntitlementStateResponseType
setLineItemStateRequestType
setLineItemStateResponseType
setMaintenanceLineItemStateRequestType
setMaintenanceLineItemStateResponseType
simpleEntitlementDataType
splitBulkEntitlementDataType
splitBulkEntitlementInfoType
splitBulkEntitlementListType
splitBulkEntitlementRequestType

Complex Types

Name
splitBulkEntitlementResponseListType
splitBulkEntitlementResponseType
splitLineItemDataType
splitLineItemInfoType
splitLineItemListType
splitLineItemRequestType
splitLineItemResponseListType
splitLineItemResponseType
stateChangeDataType
stateChangeResponseType
suiteIdentifierType
transferEntitlementInfoType
transferEntitlementsListType
transferEntitlementsRequestType
transferEntitlementsResponseType
transferLineItemInfoType
transferLineItemsListType
transferLineItemsRequestType
transferLineItemsResponseType
transferredEntitlementDataType
transferredEntitlementsListType
transferredLineItemDataType
transferredLineItemMapType
transferredLineItemsListType
trustedKeyIdentifierType
unlinkMaintenanceLineItemDataType
unlinkMaintenanceLineItemListType
unlinkMaintenanceLineItemRequestType
unlinkMaintenanceLineItemResponseType
updateBulkEntitlementDataType
updateBulkEntitlementRequestType
updateBulkEntitlementResponseType
updateEntitledProductDataListType
updateEntitlementLineItemDataType
updateEntitlementLineItemRequestType

Complex Types

Name
updateEntitlementLineItemResponseType
updateLineItemDataType
updateMaintenanceLineItemDataType
updateSimpleEntitlementDataType
updateSimpleEntitlementRequestType
updateSimpleEntitlementResponseType
userIdentifierType
userPKType
versionDateAttributesType
VersionFormatQueryType
virtualLicensePolicyDataType
webRegKeyCountDataType
webRegKeyDataListType
webRegKeyDataType
webRegKeysDataListType
webRegKeysListType

Complex Type: accountIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	
primaryKeys	accountPKType	0..1	

Complex Type: accountPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	

Complex Type: acpiGenerationIdLicensePolicyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
useACPIGenerationId	boolean	1..1	• **True**—Deny trusted storage license repair if the ACPI Generation ID has changed. • **False**—Allow trusted storage license repair even if the ACPI Generation ID has changed. Default. **Note:** By default, the FlexNet Operations UI takes the ACPI generation ID into account when evaluating repair requests. This policy is set at either the license model or entitlement level using the configuration for the Virtualization Policy. Web service clients can be made to match the FlexNet Operations UI by setting **useACPIGenerationId** to reflect the configuration in the UI.

Complex Type: activatableItemDetailType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
activatableItemType	ActivatableItemType	1..1	LINEITEM or WEBREGKEY
parentBulkEntitlementId	string	0..1	If the activatable line item is on a simple entitlement that was created when a web register key was redeemed, this is the entitlement ID of the bulk entitlement into which the web register key was loaded.
entitlementId	string	1..1	Entitlement ID of the entitlement that contains the activatable entitlement line item.
soldTo	string	1..1	Optional. Organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the channelPartners element.
shipToEmail	string	0..1	Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Postal address for the sold-to organization.
entitlementState	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • ON_HOLD • OBSOLETE
activatableItemData	entitlementLineItemDataType	1..1	Details of the entitlement line item. See entitlementLineItemDataType.
channelPartners	channelPartnerDataListType	0..1	Optional. Either **soldTo** or **channelPartners** must be specified. If neither **soldTo** nor **channelPartners** specifies an end customer, FlexNet Operations shows the End Customer organization name as *Information Not Available*, and Current Owner is not set. See channelPartnerDataListType.
entitlementAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: addedEntitlementLineItemDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
addedLineItems	addedEntitlementLineItemDataType	0..*	Contains one or more **addedLineItems** elements. See addedEntitlementLineItemDataType.

Complex Type: addedEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	See entitlementIdentifierType.
lineItemUniqueIds	string	0..*	Array of activation IDs for added activatable line items.
maintenanceLineItemUniqueIds	string	0..*	Array of activation IDs for added maintenance line items.
lineItemIdentifiers	entitlementLineItemIdentifierType	0..*	Includes unique ID of line items and activation ID of created line items.
maintenanceLineItemIdentifiers	entitlementLineItemIdentifierType	0..*	Includes unique ID of maintenance line items and activation ID of created maintenance line items.

Complex Type: addEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.

Content Model

Component	Type	Occurs	Description
lineItems	createEntitlementLineItemDataType	0..*	If the activation IDs already exist, the line items will be replaced. See createEntitlementLineItemDataType.
maintenanceLineItems	createMaintenanceLineItemDataType	0..*	If the activation IDs already exist, the line items will be replaced. See createMaintenanceLineItemDataType.
autoDeploy	boolean	0..1	Whether to deploy this line item as soon as it is created or replaced.

Complex Type: addOnlyEntitlementLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	addEntitlementLineItemDataType	1..*	See addEntitlementLineItemDataType.
opType	CreateOrUpdateOperationType	0..1	One of the following: • CREATE_OR_UPDATE • CREATE_OR_IGNORE **Note:** If the **opType** is specified as either **CREATE_OR_IGNORE** or **CREATE_OR_UPDATE**, then specifying the entitlement identifier is important. If the entitlement identified by the **entitlementIdentifier** is not found, then the response could be a **FAILURE**. If the **opType** is set to **CREATE_OR_UPDATE** and the line item identifier exists, the system will try to handle the request as an update. Updates to the **associatedLineItems** and **lineItemType** will be ignored.

Referenced By

Name	Type
createEntitlementLineItemRequest	Element

Referenced By

Name	Type
createEntitlementLineItem	Method

Complex Type: addOnlyEntitlementLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed.
• FAILURE—None of the items in the request were processed.

If the opType is CREATE_OR_IGNORE, then, the operation finds out if the line item was present – if present, it ignores the line item and proceeds with the next line item. If the line item was not present, it will create that item. All items that are ignored will be copied to the responseData of the response.

If the opType is CREATE_OR_UPDATE, then the operation updates the line item if present, otherwise creates it.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
failedData	failedAddEntitlementLineItemDataListType	0..1	See failedAddEntitlementLineItemDataListType.
responseData	addedEntitlementLineItemDataListType	0..1	See addedEntitlementLineItemDataListType.

Referenced By

Name	Type
createEntitlementLineItemResponse	Element

Complex Type: addressDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
address1	string	0..1	First line of address.
address2	string	0..1	Second line of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.
country	string	0..1	Country, in two-letter ISO-3166 code. If not provided, defaults to US.
region	string	0..1	Address region.

Complex Type: addWebRegKeyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
webRegKeys	webRegKeyDataType	1..1	Required. See webRegKeyDataType.

Complex Type: addWebRegKeyRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyData	addWebRegKeyDataType	1..*	Required. An addWebRegKeyRequest contains an array of webRegKeyData elements to be added. See addWebRegKeyDataType.
processSync	boolean	0..1	Optional. Set to true to create web register keys synchronously, that is, the Web services client will be blocked until the request is completely processed. Use synchronous processing only for creating small numbers of web register keys at a time. By default, web register key creation is asynchronous.

Referenced By

Name	Type
addWebRegKeyRequest	Element
createWebRegKey	Method

Complex Type: addWebRegKeyResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
• PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	webRegKeyDataListType	0..1	Information about the web register keys that were added is listed in the **responseData** element. See webRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are not autogenerated.
failedData	failedAddWebRegKeyDataListType	0..1	Information about the web register keys that were not added is listed in the **failedData** element. See failedAddWebRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are autogenerated.

Referenced By

Name	Type
addWebRegKeyResponse	Element

Complex Type: advancedReinstallPolicyType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
umn1Policy	policyDataType	1..1	**umn1Policy** contains the following elements: • **allowedCount** • **policyTerm**—see policyTermType.
umn2Policy	policyDataType	1..1	**umn2Policy** contains the following elements: • **allowedCount** • **policyTerm**—see policyTermType.
umn3Policy	policyDataType	1..1	**umn3Policy** contains the following elements: • **allowedCount** • **policyTerm**—see policyTermType.
midPolicy	policyDataType	1..1	**midPolicy** contains the following elements: • **allowedCount** • **policyTerm**—see policyTermType.

Complex Type: attributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeDescriptorType	0..*	**attribute** contains a required string **attributeName** and one of the values of attributeDescriptorType.

Complex Type: attributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the attribute.
CHOICE		1..1	
arrayValue	string	0..*	Array of string values of the attribute
booleanValue	boolean	0..1	Boolean value of the attribute.
dateValue	date	0..1	Date value of the attribute.
integerValue	integer	0..1	Integer value of the attribute.
stringValue	string	0..1	String value of the attribute.

Complex Type: attributeMetaDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeMetaDescriptorType	0..*	**entitlementAttributes** contains one or more **attribute** elements. See attributeMetaDescriptorType.

Complex Type: attributeMetaDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the license model attribute.

Content Model

Component	Type	Occurs	Description
attributeDataType	AttributeDataType	1..1	Returns one of the following: • TEXT • BOOLEAN • NUMBER • DATE • MULTI_VALUED_TEXT • LONGTEXT
namespace	string	1..1	Refers to the license technology on which the attribute is created.
validValues	valueType	0..1	**validValues** contains an array of **value** strings that represent valid values for a MULTI_VALUED_TEXT license model attribute. See valueType.

Complex Type: bulkEntitlementDataType

Derived By

Extending createBulkEntitlementDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	idType	1..1	Required. See idType.
soldTo	string	0..1	Optional. Organization that has the right to fulfill or distribute activation IDs from this entitlement. If soldTo is specified, that organization is set in the Distributor tier. The organization is not set as the current owner of the entitlement. Deprecated in favor of the channelPartners element.

Content Model

Component	Type	Occurs	Description
product	productIdentifierType	0..1	Optional element supported for backwards compatibility. • A product must be uniquely identified by product identifier, part number, or a combination of part number and license model. Specifying a product element provides the default quantity of 1 for the single product on a line item. • Only products and suites are currently supported, not maintenance. See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	Optional. A part number can be used to identify a product or a unique combination of a product and license model. Only products and suites are currently supported, not maintenance. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Optional, but before the entitlement is deployed, a license model must be uniquely identified by a license model identifier, part number, or product. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value. See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
policyAttributes	policyAttributesListType	0..1	Required if any policies must be set at entitlement time. See policyAttributesListType.

Content Model

Component	Type	Occurs	Description
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Whether the entitlement, and therefore, the license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set **term** or **expirationDate**, but not both.
term	DurationType	0..1	The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
expirationDate	date	0..1	The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
versionDate	date	0..1	If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionDateAttributes	versionDateAttributesType	0..1	If any of the features in the product use date-based versions, set versionDateAttributes to reflect when and how you want to specify the version date. See versionDateAttributesType.
description	string	0..1	Optional. Describe what makes this bulk entitlement unique.

Content Model

Component	Type	Occurs	Description
numberOfCopies	integer	0..1	Optional. Number of copies of the product entitled by each web register key on this entitlement. If not specified, it will be 1.
bulkEntitlementType	BulkEntitlementType	0..1	One of the following: • UPGRADE • UPSELL • RENEWAL
autoDeploy	boolean	0..1	Whether to deploy this entitlement as soon as it is created.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
channelPartners	channelPartnerDataListType	0..1	Optional. Either soldTo or channelPartners must be specified. A bulk entitlement cannot be deployed without an organization specified in the Distributor tier (bo.constants.partnertiernames.tier1). Other partner tiers (except End Customer) can be specified also. See channelPartnerDataListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
state	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • OBSOLETE
createdUserId	string	0..1	User name of the user who created this entitlement.
licenseTechnology	licenseTechnologyIdentifierType	0..1	License technology of the product. See licenseTechnologyIdentifierType.

Complex Type: bulkEntitlementPropertiesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	entitlementIdentifierType	0..1	Entitlement ID. See entitlementIdentifierType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
description	string	0..1	Description of the bulk entitlement.
state	StateType	0..1	Required. One of the following: • DRAFT • DEPLOYED • INACTIVE • OBSOLETE
soldTo	organizationIdentifierType	0..1	Optional. Organization name. Deprecated in favor of the channelPartners element. See organizationIdentifierType.
soldToDisplayName	string	0..1	Brief name of the organization.
shipToEmail	string	0..1	Email address of the organization.
shipToAddress	string	0..1	Physical address of the organization.
orderId	string	0..1	Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Order line number from CRM or ERP system.
product	productIdentifierType	0..1	Product on the bulk entitlement. See productIdentifierType.
productDescription	string	0..1	Description of the product.
partNumber	partNumberIdentifierType	0..1	Part number mapped to the product on the bulk entitlement. See partNumberIdentifierType.
partNumberDescription	string	0..1	Description of the part number.
licenseModel	licenseModelIdentifierType	0..1	License model linked to the product on the bulk entitlement. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseTechnology	licenseTechnologyIdentifierType	0..1	License technology. See licenseTechnologyIdentifierType.

Content Model

Component	Type	Occurs	Description
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Does the license expire?
term	DurationType	0..1	Duration defined for the bulk entitlement. See DurationType.
expirationDate	date	0..1	Expiration date of the license.
versionDate	date	0..1	Version date, if any defined for this bulk entitlement record.
versionDateAttributes	versionDateAttributesType	0..1	Version date option and duration defined in the bulk entitlement. See versionDateAttributesType.
numberOfCopies	integer	0..1	Number of copies of the bulk entitlement.
bulkEntitlementType	BulkEntitlementType	0..1	Type of the bulk entitlement, where the value is one of the following: • UPGRADE • UPSELL • RENEWAL
createdUserId	string	0..1	ID of the user who created the bulk entitlement.
customAttributes	attributeDescriptorDataType	0..1	Custom attributes associated with the bulk entitlement. See attributeDescriptorDataType.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
channelPartners	channelPartnerDataListType	0..1	See channelPartnerDataListType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: bulkEntitlementResponseConfigRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	boolean	0..1	Entitlement ID.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
description	boolean	0..1	Description of the bulk entitlement.
state	boolean	0..1	ACTIVE or OBSOLETE.
soldTo	boolean	0..1	Optional. Organization name. Deprecated in favor of the channelPartners element.
soldToDisplayName	boolean	0..1	Brief name of the organization.
shipToEmail	boolean	0..1	Email address of the organization.
shipToAddress	boolean	0..1	Physical address of the organization.
orderId	boolean	0..1	Order ID.
orderLineNumber	boolean	0..1	Order line number.
product	boolean	0..1	Product.
productDescription	boolean	0..1	Product description.
partNumber	boolean	0..1	Part number.
partNumberDescription	boolean	0..1	Part number desctiption.
licenseModel	boolean	0..1	License model.
licenseTechnology	boolean	0..1	License technology.
startDateOption	boolean	0..1	When the start date is defined.
isPermanent	boolean	0..1	Does the license expire?
term	boolean	0..1	Duration defined for the bulk entitlement.
expirationDate	boolean	0..1	Expiration date of the license.
versionDate	boolean	0..1	Version date, if any defined for this bulk entitlement record.
versionDateAttributes	boolean	0..1	Version date option and duration defined in the bulk entitlement.
numberOfCopies	boolean	0..1	Number of copies of the bulk entitlement.
bulkEntitlementType	boolean	0..1	Type of the bulk entitlement - new order, upgrade, upsell or renewal.
createdUserId	boolean	0..1	Id of the user who created the bulk entitlement.

Content Model

Component	Type	Occurs	Description
FNPTimeZoneValue	boolean	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
customAttributes	customAttributeDescriptorDataType	0..1	Custom attributes associated with the bulk entitlement.

Complex Type: cancelLicensePolicyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
isCancelLicense	boolean	1..1	**True**—Returned counts should not be credited back to entitlement. **False**—Returned counts should be credited back to entitlement. Note that this setting operates exactly opposite the same setting in the FlexNet Operations UI. The UI asks if the count should be credited. This web service element asks if the count should be cancelled.

Complex Type: channelPartnerDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
channelPartner	channelPartnerDataType	0..*	See channelPartnerDataType.

Complex Type: channelPartnerDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
tierName	string	1..1	Tier of the channel partner, specified in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the tierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1.
organizationUnit	organizationIdentifierType	1..1	See organizationIdentifierType.
contact	userIdentifierType	0..1	See userIdentifierType.
currentOwner	boolean	0..1	True if the organization specified in organizationUnit is the current owner of the device.

Complex Type: correlationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the requested item, starting at 1.
uniqueId	string	1..1	Unique database identifier.

Complex Type: createBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	idType	1..1	Required. See idType.
soldTo	string	0..1	Optional. Organization that has the right to fulfill or distribute activation IDs from this entitlement. If soldTo is specified, that organization is set in the Distributor tier. The organization is not set as the current owner of the entitlement. Deprecated in favor of the channelPartners element.
product	productIdentifierType	0..1	Optional element supported for backwards compatibility. • A product must be uniquely identified by product identifier, part number, or a combination of part number and license model. Specifying a product element provides the default quantity of 1 for the single product on a line item. • Only products and suites are currently supported, not maintenance. See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	Optional. A part number can be used to identify a product or a unique combination of a product and license model. Only products and suites are currently supported, not maintenance. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Optional, but before the entitlement is deployed, a license model must be uniquely identified by a license model identifier, part number, or product. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.

Content Model

Component	Type	Occurs	Description
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value. See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
policyAttributes	policyAttributesListType	0..1	Required if any policies must be set at entitlement time. See policyAttributesListType.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Whether the entitlement, and therefore, the license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set **term** or **expirationDate**, but not both.
term	DurationType	0..1	The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.

Content Model

Component	Type	Occurs	Description
expirationDate	date	0..1	The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
versionDate	date	0..1	If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionDateAttributes	versionDateAttributesType	0..1	If any of the features in the product use date-based versions, set versionDateAttributes to reflect when and how you want to specify the version date. See versionDateAttributesType.
description	string	0..1	Optional. Describe what makes this bulk entitlement unique.
numberOfCopies	integer	0..1	Optional. Number of copies of the product entitled by each web register key on this entitlement. If not specified, it will be 1.
bulkEntitlementType	BulkEntitlementType	0..1	One of the following: • UPGRADE • UPSELL • RENEWAL
autoDeploy	boolean	0..1	Whether to deploy this entitlement as soon as it is created.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
channelPartners	channelPartnerDataListType	0..1	Optional. Either soldTo or channelPartners must be specified. A bulk entitlement cannot be deployed without an organization specified in the Distributor tier (bo.constants.partnertiernames.tier1). Other partner tiers (except End Customer) can be specified also. See channelPartnerDataListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.

Referenced By

Name	Type
bulkEntitlementDataType	Complex Type

Complex Type: createBulkEntitlementRequestType

Description

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	createBulkEntitlementDataType	1..*	Required. A **createBulkEntitlementRequest** contains a **bulkEntitlement** element. See createBulkEntitlementDataType.

Referenced By

Name	Type
createBulkEntitlementRequest	Element
createBulkEntitlement	Method

Complex Type: createBulkEntitlementResponseType

Description

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedBulkEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were added is listed in the responseData element. See createdBulkEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
createBulkEntitlementResponse	Element

Complex Type: createdBulkEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdBulkEntitlement	createdBulkEntitlementDataType	0..*	**responseData** contains one or more **createdBulkEntitlement** elements. See createdBulkEntitlementDataType.

Complex Type: createdBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the product in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the entitlement.
bulkEntitlementId	string	1..1	Entitlement ID of the bulk entitlement.

Complex Type: createdEntitlementLifeCycleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
entitlementData	createdEntitlementLifeCycleDataType	0..*	**responseData** contains one or more **entitlementData** elements. See createdEntitlementLifeCycleDataType.

Complex Type: createdEntitlementLifeCycleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementRecordRefNo	string	1..1	Index of the entitlement in the request, starting at 1.
parentEntitlementIdentifier	entitlementIdentifierType	1..1	See entitlementIdentifierType.
createdLineItemData	lifeCycleLineItemDataType	0..*	See lifeCycleLineItemDataType.

Complex Type: createdRenewEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	createdRenewEntitlementDataType	0..*	**responseData** contains one or more **entitlementData** elements. See createdRenewEntitlementDataType.

Complex Type: createdRenewEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementRecordRefNo	string	1..1	Index of the entitlement in the request, starting at 1.
parentEntitlementIdentifier	entitlementIdentifierType	1..1	Entitlement ID that contains the renewed line item. See entitlementIdentifierType.
renewedLineItem	renewedEntitlementLineItemDataType	0..*	Renewed line item that was created. See renewedEntitlementLineItemDataType.

Complex Type: createdSimpleEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
createdSimpleEntitlement	createdSimpleEntitlementDataType	0..*	**responseData** contains one or more createdSimpleEntitlement elements. See createdSimpleEntitlementDataType.

Complex Type: createdSimpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
recordRefNo	string	1..1	Index of the product in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the entitlement.
entitlementId	string	1..1	Identifier of the entitlement.
lineItemUniqueIds	string	0..*	One or more activation IDs for added activatable line items.
maintenanceLineItemUniqueIds	string	0..*	One or more activation IDs for added maintenance line items.
lineItemIdentifiers	entitlementLineItemIdentifierType	0..*	Includes unique ID of line items and activation ID of created line items. See entitlementLineItemIdentifierType.
maintenanceLineItemIdentifiers	entitlementLineItemIdentifierType	0..*	Includes unique ID of maintenance line items and activation ID of created maintenance line items. See entitlementLineItemIdentifierType.

Complex Type: createEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	idType	1..1	Required. See idType.
description	string	0..1	Optional description field, used while creating or updating the entitlement line item.
product	productIdentifierType	0..1	Optional element supported for backwards compatibility. Replaced by **entitledProducts** element. • A product must be uniquely identified by product identifier, part number, or a combination of part number and license model. Specifying a product element provides the default quantity of 1 for the single product on a line item. • Only products and suites are supported. See productIdentifierType.

Content Model

Component	Type	Occurs	Description
partNumber	partNumberIdentifierType	0..1	Optional. A part number can be used to identify a product or a unique combination of a product and license model. Only products and suites are currently supported, not maintenance. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Optional, but before the entitlement is deployed, a license model must be uniquely identified by a license model identifier, part number, or product. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value. See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
policyAttributes	policyAttributesListType	0..1	Optional if used to override policy settings specified on the license model; required if any policies settings are deferred to entitlement time. However, if all policies to be set at entitlement time should be ignored, leave out this attribute. See policyAttributesListType.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
numberOfCopies	integer	1..1	Required. Number of copies of the product entitled by this line item.
startDate	date	0..1	Start date of the entitlement. Do not set unless the startDateOption is set to DEFINE_NOW.

Content Model

Component	Type	Occurs	Description
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION If neither startDate or startDateOption is specified, the default is DEFINE_AT_FIRST_ACTIVATION.
isPermanent	boolean	0..1	Whether the entitlement, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set either **term** or **expirationDate**.
term	DurationType	0..1	The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
expirationDate	date	0..1	The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both
versionDate	date	0..1	If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionDateAttributes	versionDateAttributesType	0..1	If any of the features in the product use date-based versions, set versionDateAttributes to reflect when and how you want to specify the version date. See Table versionDateAttributesType.

Content Model

Component	Type	Occurs	Description
lineItemType	LineItemType	0..1	Optional. • UPGRADE • UPSELL • RENEWAL If this element is set, then the entitlement line item will be of this type.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
lineItemAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Referenced By

Name	Type
entitlementLineItemDataType	Complex Type

Complex Type: createMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	idType	1..1	Required. See idType.
maintenanceProduct	productIdentifierType	0..1	Optional, but a product must be identified by product identifier or part number. See productIdentifierType. Can be inferred from the part number or specified explicitly.
partNumber	partNumberIdentifierType	0..1	Optional. See partNumberIdentifierType. A part number can identify a product. If a part number is not specified in the request, but is mapped to the specified product, that part number will be loaded into the entitlement.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.

Content Model

Component	Type	Occurs	Description
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDate	date	0..1	Optional. Start date of the entitlement, which will also be the start date of maintenance.
expirationDate	date	0..1	Optional. The date that the entitlement line item, and maintenance, expire.
isPermanent	boolean	0..1	Whether the maintenance is permanent. If true, the maintenance line item never expires. If true, do not set **term** or **expirationDate**. If false, set **term** or **expirationDate**, but not both.
parentLineItem	entitlementLineItemIdentifierType	0..1	Optional. The entitlement line item that contains the activatable product to which the maintenance is related. See entitlementLineItemIdentifierType.
associatedLineItems	entitlementLineItemIdentifierType	0..*	Supports linking the maintenance with multiple entitlement line items. See entitlementLineItemIdentifierType.

Referenced By

Name	Type
maintenanceLineItemDataType	Complex Type

Complex Type: createSimpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	idType	1..1	Required. See idType.
description	string	0..1	Optional description field, used while creating or updating the simple entitlement.

Content Model

Component	Type	Occurs	Description
soldTo	string	0..1	Optional. Organization identifier of the organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the channelPartners element. If soldTo is specified, that organization is set in the End Customer tier and becomes the **CurrentOwner**. If neither soldTo nor channelPartners specifies an end customer, FlexNet Operations shows the End Customer organization name as *Information Not Available*, and **Current Owner** is not set.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization.
lineItems	createEntitlementLineItemDataType	0..*	Optional. See createEntitlementLineItemDataType.
maintenanceLineItems	createMaintenanceLineItemDataType	0..*	Optional. See createMaintenanceLineItemDataType.
autoDeploy	boolean	0..1	Whether to deploy this entitlement as soon as it is created.
channelPartners	channelPartnerDataListType	0..1	Optional. Either soldTo or channelPartners must be specified. If neither soldTo nor channelPartners specifies an end customer, FlexNet Operations shows the End Customer organization name as *Information Not Available*, and **Current Owner** is not set. See channelPartnerDataListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
entitlementAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: createSimpleEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
simpleEntitlement	createSimpleEntitlementDataType	1..*	Required. A **createSimpleEntitlementRequest** contains an array of **simpleEntitlement** elements to be added. See createSimpleEntitlementDataType.

Content Model

Component	Type	Occurs	Description
opType	CreateOrUpdateOperationType	0..1	One of the following: • CREATE_OR_UPDATE • CREATE_OR_IGNORE **Note:** If the **opType** is **CREATE_OR_UPDATE**, then the incoming request is split internally as a **createRequest** (containing all entitlements that need to be created) and an **updateRequest** (containing all entitlements that need to be updated). If there is even a single failure in the **createRequest**, the whole of the **createRequest** fails. If there is a single failure in the **updateRequest**, the whole of the **updateRequest** fails. However if the **createRequest** succeeds and **updateRequest** fails (or vice-versa) , the overall status is **PARTIAL_FAILURE**. The **FAILURE** case arises wherein both **createRequest** and **updateRequest** fail. If the **opType** is set to **CREATE_OR_UPDATE** and the entitlement already exists in the system once the line item create/update portion is finished and then if the update of the entitlement is requested but returns an error, then the entire entitlement request will fail. However, the updates to the line items which have been completed, will not be rolled back.

Referenced By

Name	Type
createSimpleEntitlementRequest	Element
createSimpleEntitlement	Method

Complex Type: createSimpleEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the items in the request were processed.
When the opType is either CREATE_OR_UPDATE or CREATE_OR_IGNORE, the Entitlement response and the Line Item response together result in the final response.
• Both the Entitlement response and the Line Item response must be a success for the final result to be a success.
• If one is a success and the other is a failure, the final</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>result is a failure.
• If one is a partial failure and one is a failure, the final result is a failure.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedSimpleEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were added is listed in the responseData element. See createdSimpleEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
createSimpleEntitlementResponse	Element

Complex Type: customAttributeDescriptorType

Description

This should be filtered out

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	

Complex Type: customAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	The name of the custom attribute.
CHOICE		1..1	
booleanValue	boolean	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**. Set to true or false if the custom attribute is of type boolean.

dateValue	DateQueryType	0..1	Optional. A **dateValue** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

numberValue	NumberQueryType	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**.
			A **numberValue** element contains:
			• **value**—an integer number to match part or all of the custom attribute value.
			• **searchType**—one of the following simpleSearchType values:
			  • GREATER_THAN
			  • GREATER_THAN_EQUALS
			  • LESS_THAN
			  • LESS_THAN_EQUALS
			  • EQUALS
			  • NOT_EQUALS

stringValue	SimpleQueryType	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**.
			A **stringValue** element contains:
			• **value**—a string to match part or all of the custom attribute value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: customAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeQueryType	0..*	See customAttributeQueryType.

Complex Type: deleteEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.

Complex Type: deleteEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	deleteEntitlementDataType	1..*	Required. A **deleteEntitlementRequest** contains an array of **entitlement** elements to be deleted. See deleteEntitlementDataType.

Referenced By

Name	Type
deleteEntitlementRequest	Element

Referenced By

Name	Type
deleteEntitlement	Method

Complex Type: deleteEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.
reason	string	Gives reason for partial failure or failure.

Content Model

Component	Type	Occurs	Description
failedData	failedDeleteEntitlementDataListType	0..1	Information about the entitlements that were not deleted is listed in the failedData element. See failedDeleteEntitlementDataListType.

Referenced By

Name	Type
deleteEntitlementResponse	Element

Complex Type: deleteMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.

Complex Type: deleteMaintenanceLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItemData	deleteMaintenanceLineItemDataType	1..*	Required. A **deleteMaintenanceLineItemRequest** contains an array of maintenanceLineItemData elements to be deleted. See deleteMaintenanceLineItemDataType.

Referenced By

Name	Type
deleteMaintenanceLineItemRequest	Element
deleteMaintenanceLineItem	Method

Complex Type: deleteMaintenanceLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.
reason	string	Gives reason for partial failure or failure.

Content Model

Component	Type	Occurs	Description
failedData	failedDeleteMaintenanceLineItemDataListType	0..1	Information about the maintenance line items that were not deleted is listed in the failedData element. See failedDeleteMaintenanceLineItemDataListType.

Referenced By

Name	Type
deleteMaintenanceLineItemResponse	Element

Complex Type: deleteWebRegKeyRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyList	webRegKeysListType	1..1	Required. A **deleteWebRegKeyRequest** contains a **webRegKeyList** element to be added. See webRegKeysListType.

Referenced By

Name	Type
deleteWebRegKeyRequest	Element
deleteWebRegKey	Method

Complex Type: deleteWebRegKeyResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteWebRegKeyListType	0..1	Information about the web register keys that were not deleted is listed in the failedData element. See failedDeleteWebRegKeyListType.

Referenced By

Name	Type
deleteWebRegKeyResponse	Element

Complex Type: DurationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
numDuration	integer	1..1	Required. Specify the number of units of time, for example, 10, for a duration of 10 **durationUnit**.

Content Model

Component	Type	Occurs	Description
durationUnit	DurationUnit	1..1	Required. Specify one of the following units of time: • DAYS • WEEKS • MONTHS • YEARS

Complex Type: emailActivatableItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. An **emailActivatableItemRequest** contains an **activationId** element identifying the activatable item for which to email a certificate.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false. regex: "^[_A-Za-z0-9-\\+\\.\\%]+@" + "([A-Za-z0-9-\\.]+)(\\.[A-Za-z]{1,10})$"
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the entitlement certificate and email templates. If the locale is valid and templates have been configured for that locale, the localized templates will be used to send the email.

Referenced By

Name	Type
emailActivatableItemRequest	Element
emailActivatableItem	Method

Complex Type: emailActivatableItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Referenced By

Name	Type
emailActivatableItemResponse	Element

Complex Type: emailContactListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
emailId	string	0..*	List of email addresses to which to send license certificate.

Complex Type: emailEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. An emailEntitlementRequest contains an entitlementIdentifier element identifying the entitlement certificate to be emailed. See entitlementIdentifierType.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false. regex: "^[_A-Za-z0-9-\\+\\.\\%]+@" +"([A-Za-z0-9-\\.]+)(\\.[A-Za-z]{1,10})$"

Content Model

Component	Type	Occurs	Description
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the entitlement certificate and email templates. If the locale is valid and templates have been configured for that locale, the localized templates will be used to send the email.

Referenced By

Name	Type
emailEntitlementRequest	Element
emailEntitlement	Method

Complex Type: emailEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
emailEntitlementResponse	Element

Complex Type: entCustomAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of a text-type entitlement custom attribute by which to search for an entitlement.
stringValue	SimpleQueryType	0..1	Value of the text-type entitlement custom attribute.

Complex Type: entCustomAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	entCustomAttributeQueryType	0..*	See entCustomAttributeQueryType.

Complex Type: entitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitledProduct	entitledProductDataType	0..*	See entitledProductDataType.

Complex Type: entitledProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productIdentifierType	0..1	See productIdentifierType.
quantity	integer	1..1	Quantity per copy of the line item. This is a multiplier to the number of copies. If one copy of the line item is fulfilled, this many copies of the entitled product will be fulfilled.

Complex Type: entitlementDataType

Description

Either **simpleEntitlement** or **bulkEntitlement** is returned, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
bulkEntitlement	bulkEntitlementDataType	0..1	See bulkEntitlementDataType.
simpleEntitlement	simpleEntitlementDataType	0..1	See simpleEntitlementDataType.

Complex Type: entitlementIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the entitlement.
primaryKeys	entitlementPKType	0..1	Database primary key of the entitlement. See entitlementPKType.

Complex Type: entitlementLifeCycleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
parentEntitlementIdentifier	entitlementIdentifierType	0..1	Optional. If not provided, the parent entitlement is inferred from the **parentLineItemIdentifier** in lineItemLifeCycleDataType. See entitlementIdentifierType.
lineItemData	lineItemLifeCycleDataType	1..*	Required. See lineItemLifeCycleDataType.

Complex Type: EntitlementLifeCycleRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	entitlementLifeCycleDataType	0..*	Required. A **EntitlementLifecycleRequest** contains an array of **entitlementData** elements. See entitlementLifeCycleDataType.

Referenced By

Name	Type
upgradeLicenseRequest	Element
upsellLicenseRequest	Element
upgradeLicense	Method
upsellLicense	Method

Complex Type: EntitlementLifeCycleResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
failedData	failedEntitlementLifeCycleDataListType	0..1	Information about the entitlements that were not upgraded is listed in the **failedData** element. See failedEntitlementLifeCycleDataListType.
responseData	createdEntitlementLifeCycleDataListType	0..1	Information about the entitlements that were upgraded is listed in the **responseData** element. See createdEntitlementLifeCycleDataListType.

Referenced By

Name	Type
upgradeLicenseResponse	Element
upsellLicenseResponse	Element

Complex Type: entitlementLineItemDataType

Derived By

Extending createEntitlementLineItemDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	idType	1..1	Required. See idType.
description	string	0..1	Optional description field, used while creating or updating the entitlement line item.
product	productIdentifierType	0..1	Optional element supported for backwards compatibility. Replaced by **entitledProducts** element. • A product must be uniquely identified by product identifier, part number, or a combination of part number and license model. Specifying a product element provides the default quantity of 1 for the single product on a line item. • Only products and suites are supported. See productIdentifierType.

Content Model

Component	Type	Occurs	Description
partNumber	partNumberIdentifierType	0..1	Optional. A part number can be used to identify a product or a unique combination of a product and license model. Only products and suites are currently supported, not maintenance. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Optional, but before the entitlement is deployed, a license model must be uniquely identified by a license model identifier, part number, or product. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value. See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
policyAttributes	policyAttributesListType	0..1	Optional if used to override policy settings specified on the license model; required if any policies settings are deferred to entitlement time. However, if all policies to be set at entitlement time should be ignored, leave out this attribute. See policyAttributesListType.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
numberOfCopies	integer	1..1	Required. Number of copies of the product entitled by this line item.
startDate	date	0..1	Start date of the entitlement. Do not set unless the startDateOption is set to DEFINE_NOW.

Content Model

Component	Type	Occurs	Description
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION If neither startDate or startDateOption is specified, the default is DEFINE_AT_FIRST_ACTIVATION.
isPermanent	boolean	0..1	Whether the entitlement, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set either **term** or **expirationDate**.
term	DurationType	0..1	The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
expirationDate	date	0..1	The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both
versionDate	date	0..1	If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionDateAttributes	versionDateAttributesType	0..1	If any of the features in the product use date-based versions, set versionDateAttributes to reflect when and how you want to specify the version date. See Table versionDateAttributesType.

Content Model

Component	Type	Occurs	Description
lineItemType	LineItemType	0..1	Optional. • UPGRADE • UPSELL • RENEWAL If this element is set, then the entitlement line item will be of this type.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
lineItemAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
numberOfRemainingCopies	integer	0..1	Number of copies of the product entitled by this line item that have not yet been activated.
availableExtraActivations	integer	0..1	Optional number of extra activations.
isTrustedType	boolean	0..1	Whether the product is licensed with a trusted license model.
state	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • ON_HOLD • OBSOLETE
licenseTechnology	licenseTechnologyIdentifierType	0..1	License technology of the product. See licenseTechnologyIdentifierType.
parentLineItem	entitlementLineItemIdentifierType	0..1	Optional. The entitlement line item that contains the activatable product to which the maintenance is related. See entitlementLineItemIdentifierType.
createdOnDateTime	dateTime	0..1	The date and time when the line item was created.
lastModifiedDateTime	dateTime	0..1	The date and time when the line item was last modified.
overdraftMax	integer	0..1	Maximum number of overdrafts.
remainingOverdraftCount	integer	0..1	Number of overdrafts available.

Complex Type: entitlementLineItemIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the entitlement line item.
primaryKeys	entitlementLineItemPKType	0..1	Database primary key of the entitlement line item. See entitlementLineItemPKType.

Complex Type: entitlementLineItemPropertiesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	entitlementLineItemIdentifierType	0..1	Line item activation ID. See entitlementLineItemIdentifierType.
description	string	0..1	Description of the entitlement line item.

Content Model

Component	Type	Occurs	Description
state	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • ON_HOLD • OBSOLETE
activatableItemType	ActivatableItemType	0..1	LINEITEM or WEBREGKEY
orderId	string	0..1	Order Id.
orderLineNumber	string	0..1	Order line number.
entitlementId	entitlementIdentifierType	0..1	See entitlementIdentifierType.
soldTo	organizationIdentifierType	0..1	See organizationIdentifierType
soldToDisplayName	string	0..1	Display name of the organization.
entitlementState	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • ON_HOLD • OBSOLETE
entitlementDescription	string	0..1	Brief description of the entitlement.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
shipToEmail	string	0..1	Email address of the organization
shipToAddress	string	0..1	Physical shipping address of the organization.
parentBulkEntitlementId	entitlementIdentifierType	0..1	See entitlementIdentifierType.
bulkEntSoldTo	organizationIdentifierType	0..1	See organizationIdentifierType.
bulkEntSoldToDisplayName	string	0..1	Display name of the organization.

Content Model

Component	Type	Occurs	Description
product	productIdentifierType	0..1	See productIdentifierType.
productDescription	string	0..1	Brief description of the product.
partNumber	partNumberIdentifierType	0..1	See partNumberIdentifierType.
partNumberDescription	string	0..1	Brief description of the part number.
licenseTechnology	licenseTechnologyIdentifierType	0..1	Required. License technology of the product. See licenseTechnologyIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Required. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
lineItemSupportAction	LineItemType	0..1	Optional. UPGRADE, UPSELL, or RENEWAL. If this element is set, then the entitlement line item will be of this type.
parentLineItem	entitlementLineItemIdentifierType	0..1	See entitlementLineItemIdentifierType.
startDate	date	0..1	Start date of the line item.
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Does the line item expire?
term	DurationType	0..1	Only need to specify if modifying value. The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set either **term** or **expirationDate**.
expirationDate	date	0..1	Expiration date of the line item.

Content Model

Component	Type	Occurs	Description
versionDate	date	0..1	Version date of the line item.
versionDateAttributes	versionDateAttributesType	0..1	See versionDateAttributesType.
numberOfCopies	integer	0..1	Number of copies of the entitlement line item.
fulfilledAmount	integer	0..1	Number of copies fulfilled.
numberOfRemainingCopies	integer	0..1	Number of copies remaining.
isTrusted	boolean	0..1	Is the entitlement of trusted type?
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
entitledProducts	entitledProductDataListType	0..1	Deprecated. Use updatedEntitledProducts[] instead. See entitledProductDataListType.
channelPartners	channelPartnerDataListType	0..1	Optional. Only need to specify if modifying value. The organization in the specified tier will be added or replaced. See Table channelPartnerDataListType.
maintenanceLineItems	maintenanceLineItemPropertiesType	0..*	If set to 1, the following information is returned about maintenance line items linked to the returned line items: • activationId • maintenanceProduct • partNumber • orderId • orderLineNumber • startDate • expirationDate • isPermanent • state See maintenanceLineItemPropertiesType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
createdOnDateTime	dateTime	0..1	The date and time when the line item was created.
lastModifiedDateTime	dateTime	0..1	The date and time when the line item was last modified.
lineItemAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: entitlementLineItemResponseConfigRequestType

Description

Note: *Selecting too many elements for a query can negatively impact system performance. Only select the elements required for a given request.*

The following error, ORA-01795: maximum number of expressions in a list is 1000, has be seen when performing searches via FlexNet Operations landing pages or web service queries when:

1. *FlexNet Operations is connected to an Oracle database*
2. *Certain types of searches in the UI or web services return > 1000 items, for example, the entitlements or line item landing pages and getEntitlementsQuery or getEntitlementLineItemPropertiesQuery.*

If the error is seen in the FlexNet Operations UI, consider setting the Entitlement Records per Page and Line Items Page Size per Entitlement settings to 1000 or less. If the error is seen in a web service query, set the batch size to 1000 or less and page through the results.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	boolean	0..1	
description	boolean	0..1	
state	boolean	0..1	
activatableItemType	boolean	0..1	
orderId	boolean	0..1	
orderLineNumber	boolean	0..1	
entitlementId	boolean	0..1	
allowPortalLogin	boolean	0..1	
soldTo	boolean	0..1	
soldToDisplayName	boolean	0..1	
entitlementState	boolean	0..1	
entitlementDescription	boolean	0..1	
shipToEmail	boolean	0..1	
shipToAddress	boolean	0..1	
parentBulkEntitlementId	boolean	0..1	
bulkEntSoldTo	boolean	0..1	

Content Model

Component	Type	Occurs	Description
bulkEntSoldToDisplayName	boolean	0..1	
product	boolean	0..1	
productDescription	boolean	0..1	
partNumber	boolean	0..1	
partNumberDescription	boolean	0..1	
licenseTechnology	boolean	0..1	
licenseModel	boolean	0..1	
lineItemSupportAction	boolean	0..1	
parentLineItem	boolean	0..1	
startDate	boolean	0..1	
startDateOption	boolean	0..1	
isPermanent	boolean	0..1	
term	boolean	0..1	
expirationDate	boolean	0..1	
versionDate	boolean	0..1	
versionDateAttributes	boolean	0..1	
numberOfCopies	boolean	0..1	
fulfilledAmount	boolean	0..1	
numberOfRemainingCopies	boolean	0..1	
isTrusted	boolean	0..1	
customAttributes	customAttributeDescriptorDataType	0..1	
maintenance	boolean	0..1	
maintenancePartNumber	boolean	0..1	
FNPTimeZoneValue	boolean	0..1	
createdOnDateTime	boolean	0..1	
lastModifiedDateTime	boolean	0..1	
lineItemAttributes	boolean	0..1	

Complex Type: entitlementListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..*	Required. See entitlementIdentifierType.

Complex Type: entitlementStateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	See licenseModelIdentiferType.
stateChangeRecord	stateChangeDataType	0..*	See stateChangeDataType.

Complex Type: entitlementStateChangeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	entitlementStateChange DataType	0..*	See entitlementStateChangeDataType.

Complex Type: entitlementStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
stateToSet	StateType	1..1	Required. One of the following: • DRAFT • DEPLOYED • INACTIVE • OBSOLETE

Complex Type: expirationTermsDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
expirationDate	date	0..1	The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
term	DurationType	0..1	The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.

Complex Type: extraActivationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
allowedCount	integer	1..1	The number of extra activations allowed per activatable item on this entitlement.

Complex Type: failedAddEntitlementLineItemDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedLineItemData	failedAddEntitlementLineItemDataType	0..*	**failedData** contains one or more **failedLineItemData** elements. See failedAddEntitlementLineItemDataType.

Complex Type: failedAddEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	addEntitlementLineItemDataType	0..1	See addEntitlementLineItemDataType.
reason	string	0..1	String containing the reason the line item was not added.

Complex Type: failedAddWebRegKeyDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedWebRegKeyData	failedAddWebRegKeyDataType	0..*	**failedData** contains one or more **failedAddWeRegKey** elements. See failedAddWebRegKeyDataType.

Complex Type: failedAddWebRegKeyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyData	addWebRegKeyDataType	0..1	See addWebRegKeyDataType.
reason	string	0..1	String containing the reason the web register key was not added.

Complex Type: failedBulkEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedBulkEntitlement	failedBulkEntitlementDataType	0..*	**failedData** contains one or more **failedBulkEntitlement** elements. See failedBulkEntitlementDataType

Complex Type: failedBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	createBulkEntitlementDataType	0..1	See createBulkEntitlementDataType.
reason	string	0..1	String containing the reason the entitlement was not added.

Complex Type: failedDeleteEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedEntitlement	failedDeleteEntitlementDataType	0..*	**failedData** contains one or more **failedEntitlement** elements. See failedDeleteEntitlementDataType

Complex Type: failedDeleteEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	See entitlementIdentifierType.
reason	string	0..1	The reason the entitlement was not deleted.

Complex Type: failedDeleteMaintenanceLineItemDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedData	failedDeleteMaintenanceLineItemDataType	0..*	**failedData** contains one or more **failedData** elements. See failedDeleteMaintenanceLineItemDataType.

Complex Type: failedDeleteMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedData	deleteMaintenanceLineItemDataType	0..1	See deleteMaintenanceLineItemDataType.
reason	string	0..1	The reason the line item was not deleted.

Complex Type: failedDeleteWebRegKeyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKey	string	1..1	String containing the failed web register key.
reason	string	0..1	The reason the web register key was not deleted.

Complex Type: failedDeleteWebRegKeyListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedWebRegKey	failedDeleteWebRegKey DataType	0..*	**failedData** contains one or more **failedWebRegKey** elements. See failedDeleteWebRegKeyDataType.

Complex Type: failedEntitlementLifeCycleDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedEntitlement	failedEntitlementLifeCycleDataType	0..*	**failedData** contains one or more **failedEntitlement** elements. See failedEntitlementLifeCycleDataType.

Complex Type: failedEntitlementLifeCycleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	entitlementLifeCycleDataType	1..1	See entitlementLifeCycleDataType.
reason	string	1..1	String containing the reason the entitlement was not upgraded.

Complex Type: failedEntitlementStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedEntitlement	failedEntitlementStateDataType	0..*	A **failedData** element contains an array of **failedEntitlement** elements whose state was not set. See failedEntitlementStateDataType.

Complex Type: failedEntitlementStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	entitlementStateDataType	1..1	See entitlementStateDataType.
reason	string	1..1	Reason the state of the entitlement was not set.

Complex Type: failedIdDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
id	string	1..1	Entitlement ID or activation ID string.
reason	string	1..1	String containing the reason the ID was not mapped to the user.

Complex Type: failedLineItemStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedLineItem	failedLineItemStateDataType	0..*	A **failedData** element contains an array of **failedLineItem** elements whose state was not set. See failedLineItemStateDataType.

Complex Type: failedLineItemStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	lineItemStateDataType	1..1	See lineItemStateDataType.
reason	string	1..1	Reason the state of the line item was not set.

Complex Type: failedLinkMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
linkMaintenanceLineItem	linkMaintenanceLineItemDataType	1..1	See linkMaintenanceLineItemDataType.
reason	string	1..1	Reason for failure.

Complex Type: failedLinkMaintenanceLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedLinkMaintenanceLineItem	failedLinkMaintenanceLineItemDataType	0..*	See failedLinkMaintenanceLineItemDataType.

Complex Type: failedMaintenanceLineItemStateDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedMaintenanceLineItem	failedMaintenanceLineItemStateDataType	0..*	See failedMaintenanceLineItemStateDataType.

Complex Type: failedMaintenanceLineItemStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItem	maintenanceLineItemStateDataType	1..1	See maintenanceLineItemStateDataType.
reason	string	1..1	Reason for failure.

Complex Type: failedMapEntitlementsToUserDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedId	failedIdDataType	1..*	**failedData** contains one or more failedId elements. See failedIdDataType.

Complex Type: failedMatchingBulkEntDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntInfo	getMatchingBulkEntInfoType	1..1	For the source bulk entitlement that had no matches in the target organization. See getMatchingBulkEntInfoType.
reason	string	1..1	String containing the reason no matching line items were returned.

Complex Type: failedMatchingBulkEntsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedBulkEnt	failedMatchingBulkEntDataType	1..*	**failedData** contains a **failedBulkEnt** element. See failedMatchingBulkEntDataType.

Complex Type: failedMatchingLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	getMatchingLineItemInfoType	1..1	Sor the source line item that had no matches in the target organization. See getMatchingLineItemInfoType.
reason	string	1..1	String containing the reason no matching line items were returned.

Complex Type: failedMatchingLineItemsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedLineItem	failedMatchingLineItemDataType	1..*	failedData contains a failedLineItem element. See failedMatchingLineItemDataType.

Complex Type: failedRemoveEntitlementLineItemDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedData	failedRemoveEntitlementLineItemDataType	0..*	**failedData** contains one or more **failedData** elements. See failedRemoveEntitlementLineItemDataType.

Complex Type: failedRemoveEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedData	removeEntitlementLineItemDataType	0..1	See removeEntitlementLineItemDataType.
reason	string	0..1	The reason the line item was not deleted.

Complex Type: failedRenewEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedEntitlement	failedRenewEntitlementDataType	0..*	**failedData** contains one or more **failedRenewEntitlement** elements. See failedRenewEntitlementDataType.

Complex Type: failedRenewEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	renewEntitlementDataType	1..1	See renewEntitlementDataType.
reason	string	1..1	String containing the reason the entitlement was not renewed.

Complex Type: failedSimpleEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedSimpleEntitlement	failedSimpleEntitlementDataType	0..*	**failedData** contains one or more failedSimpleEntitlement elements. See failedSimpleEntitlementDataType.

Complex Type: failedSimpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
simpleEntitlement	createSimpleEntitlementDataType	0..1	See createSimpleEntitlementDataType.

Content Model

Component	Type	Occurs	Description
reason	string	0..1	String containing the reason the entitlement was not added.

Complex Type: failedSplitBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementInfo	splitBulkEntitlementInfoType	1..1	See splitBulkEntitlementInfoType.
reason	string	1..1	String containing the reason the line item's count was not split.

Complex Type: failedSplitBulkEntitlementListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedBulkEntitlement	failedSplitBulkEntitlementDataType	1..*	**failedData** contains one or more **failedBulkEntitlement** elements. See failedSplitBulkEntitlementDataType.

Complex Type: failedSplitLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	splitLineItemInfoType	1..1	See splitLineItemInfoType.
reason	string	1..1	String containing the reason the line item's count was not split.

Complex Type: failedSplitLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedLineItem	failedSplitLineItemDataType	1..*	**failedData** contains a **failedLineItem** element. See failedSplitLineItemDataType.

Complex Type: failedTransferEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementInfo	transferEntitlementInfoType	1..1	See transferEntitlementInfoType.

Content Model

Component	Type	Occurs	Description
reason	string	1..1	String containing the reason the entitlement was not transferred.

Complex Type: failedTransferEntitlementListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedEntitlement	failedTransferEntitlementDataType	1..*	**failedData** contains one or more **failedEntitlement** elements. See failedTransferEntitlementDataType.

Complex Type: failedTransferLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	transferLineItemInfoType	1..1	See transferEntitlementInfoType.
reason	string	1..1	String containing the reason the line item was not transferred.

Complex Type: failedTransferLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedLineItem	failedTransferLineItemDataType	1..*	**failedData** contains one or more **failedLineItem** elements. See failedTransferLineItemDataType.

Complex Type: failedUnlinkMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
unlinkMaintenanceLineItem	unlinkMaintenanceLineItemDataType	0..1	See unlinkMaintenanceLineItemDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedUnlinkMaintenanceLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUnlinkMaintenanceLineItem	failedUnlinkMaintenanceLineItemDataType	0..*	See failedUnlinkMaintenanceLineItemDataType.

Complex Type: failedUpdateBulkEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedBulkEntitlement	failedUpdateBulkEntitlementDataType	0..*	**failedData** contains one or more **failedBulkEntitlement** elements. See failedUpdateBulkEntitlementDataType.

Complex Type: failedUpdateBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	updateBulkEntitlementDataType	0..1	See updateBulkEntitlementDataType.
reason	string	0..1	String containing the reason the entitlement was not updated.

Complex Type: failedUpdateEntitlementLineItemDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedData	failedUpdateEntitlementLineItemDataType	0..*	**failedData** contains one or more **failedEntitlementLineItem** elements. See failedUpdateEntitlementLineItemDataType.

Complex Type: failedUpdateEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedData	updateEntitlementLineItemDataType	0..1	See updateEntitlementLineItemDataType.
reason	string	0..1	String containing the reason the line item was not updated.

Complex Type: failedUpdateSimpleEntitlementDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedSimpleEntitlement	failedUpdateSimpleEntitlementDataType	0..*	**failedData** contains one or more **failedSimpleEntitlement** elements. See failedUpdateSimpleEntitlementDataType.

Complex Type: failedUpdateSimpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
simpleEntitlement	updateSimpleEntitlementDataType	0..1	See updateSimpleEntitlementDataType.
reason	string	0..1	String containing the reason the entitlement was not updated.

Complex Type: featureBundleIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the feature bundle, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature bundle.
primaryKeys	featureBundlePKType	0..1	Database primary key of the feature bundle—a string containing the name of the feature bundle. See featureBundlePKType.

Complex Type: featureBundleListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..*	Required. See featureBundleIdentifierType.

Complex Type: featureBundleStateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundleIdentifier	featureBundleIdentifierType	1..1	See featureBundleIdentiferType.
stateChangeRecord	stateChangeDataType	0..*	See stateChangeDataType.

Complex Type: featureBundleStateChangeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureBundle	featureBundleStateChangeDataType	0..*	See featureBundleStateChangeDataType.

Complex Type: featureIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the feature, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature.
primaryKeys	featurePKType	0..1	Database primary keys of the feature—strings containing name and, if the feature version format is FIXED, the version of the feature. If the feature version format is DATE_BASED, specify only name. See featurePKType.

Complex Type: featureListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..*	Required. See featureIdentifierType.

Complex Type: featureStateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureIdentifier	featureIdentifierType	1..1	See featureIdentiferType.

Content Model

Component	Type	Occurs	Description
stateChangeRecord	stateChangeDataType	0..*	See stateChangeDataType.

Complex Type: featureStateChangeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
feature	featureStateChangeDataType	0..*	See featureStateChangeDataType.

Complex Type: fulfillmentIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the fulfillment.
primaryKeys	fulfillmentPKType	0..1	Database primary key of the fulfillment. See fulfillmentPKType.

Complex Type: getActivatableItemCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType. Leave this element blank to return all activatable line items.
restrictToItemsReadyToActivate	boolean	0..1	Optional. Only use for the **getActivatableItemCount** operation. Restricts the search to only items ready to activate.

Referenced By

Name	Type
getActivatableItemCountRequest	Element
getActivatableItemCount	Method

Complex Type: getActivatableItemCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of activatable items that matched the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getActivatableItemCountResponse	Element

Complex Type: getBulkEntitlementCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementSearchCriteria	searchBulkEntitlementDataType	1..1	Required. See searchBulkEntitlementDataType. Leave this element blank to return all bulk entitlements.

Referenced By

Name	Type
getBulkEntitlementCountRequest	Element
getBulkEntitlementCount	Method

Complex Type: getBulkEntitlementCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
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<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of bulk entitlements matching the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getBulkEntitlementCountResponse	Element

Complex Type: getBulkEntitlementPropertiesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementSearchCriteria	searchBulkEntitlementDataType	1..1	Required. See searchBulkEntitlementDataType.
bulkEntitlementResponseConfig	bulkEntitlementResponseConfigRequestType	1..1	See bulkEntitlementResponseConfigRequestType.
batchSize	integer	1..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
pageNumber	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getBulkEntitlementPropertiesRequest	Element
getBulkEntitlementPropertiesQuery	Method

Complex Type: getBulkEntitlementPropertiesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>bulkEntitlement</td><td>bulkEntitlementPropertiesType</td><td>0..*</td><td>See bulkEntitlementPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
getBulkEntitlementPropertiesResponse	Element

Complex Type: getEntitlementAttributesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	Required. A **getEntitlementAttributesRequest** contains a **licenseModelIdentifier** element identifying the license model whose attributes to return. See licenseModelIdentifierType.

Referenced By

Name	Type
getEntitlementAttributesRequest	Element
getEntitlementAttributesFromModel	Method

Complex Type: getEntitlementAttributesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlementAttributes</td><td>attributeMetaDescriptorDataType</td><td>0..1</td><td>A list of license model attributes that are set at entitlement time are contained in the entitlementAttributes element. See attributeMetaDescriptorDataType.</td></tr>
<tr><td>policyAttributes</td><td>policyAttributesDataType</td><td>0..1</td><td>A list of policy attributes that are set at entitlement time are contained in the policyAttributes element. See policyAttributesDataType.</td></tr>
<tr><td>needTimeZone</td><td>boolean</td><td>0..1</td><td>True if the license model includes the TZ keyword and allows it to be set at entitlement time; otherwise, false.</td></tr>
</table>

Referenced By

Name	Type
getEntitlementAttributesResponse	Element

Complex Type: getEntitlementCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchEntitlementDataType	1..1	Required. See searchEntitlementDataType. Leave this element blank to return all entitlements.

Referenced By

Name	Type
getEntitlementCountRequest	Element
getEntitlementCount	Method

Complex Type: getEntitlementCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of entitlements matching the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getEntitlementCountResponse	Element

Complex Type: getExactAvailableCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	entitlementLineItemIdentifierType	0..1	Required. Identifies the line item for which you want an exact available count. See entitlementLineItemIdentifierType.

Referenced By

Name	Type
getExactAvailableCountRequest	Element
getExactAvailableCount	Method

Complex Type: getExactAvailableCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>The exact available count for the line item requested.</td></tr>
</table>

Referenced By

Name	Type
getExactAvailableCountResponse	Element

Complex Type: getMatchingBulkEntInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntIdentifier	entitlementIdentifierType	1..1	Required. The indentifier for the bulk entitlement you plan to split. This is the bulk entitlement for which getMatchingBulkEnts attempts to match bulk entitlements in the targetOrganizationUnit. See entitlementIdentifierType.
targetTierName	string	1..1	Required. The name of the tier that contains the target organization. The tier name exists in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the targetTierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1.
targetOrganizationUnit	organizationIdentifierType	1..1	Required. The target organization in the target tier to be scanned for matching bulk entitlements. See organizationIdentifierType.

Complex Type: getMatchingBulkEntsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntInfo	getMatchingBulkEntInfoType	1..*	Required. A **bulkEntList** contains one or more **bulkEntInfo** elements. See getMatchingBulkEntInfoType.

Complex Type: getMatchingBulkEntsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntList	getMatchingBulkEntsListType	1..1	Required. See getMatchingBulkEntsListType.

Referenced By

Name	Type
getMatchingBulkEntsRequest	Element
getMatchingBulkEnts	Method

Complex Type: getMatchingBulkEntsResponseListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
matchingBulkEnt	matchingBulkEntDataType	1..*	**responseData** contains one or more **matchingBulkEnt** elements. See matchingBulkEntDataType.

Complex Type: getMatchingBulkEntsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMatchingBulkEntsResponseListType</td><td>0..1</td><td>Information about bulk entitlements in the target organization that match the bulk entitlement you plan to split is listed in the responseData element. See getMatchingBulkEntsResponseListType.</td></tr>
<tr><td>failedData</td><td>failedMatchingBulkEntsListType</td><td>0..1</td><td>Information about the bulk entitlement that could not be matched to bulk entitlements in the target organization is in the failedData element. See failedMatchingBulkEntsListType.</td></tr>
</table>

Referenced By

Name	Type
getMatchingBulkEntsResponse	Element

Complex Type: getMatchingLineItemInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. The indentifier for the line item you plan to split. This is the line item for which getMatchingLineItems attempts to match line items in the targetOrganizationUnit. See entitlementLineItemIdentifierType.
targetTierName	string	1..1	Required. The name of the tier that contains the target organization. The tier name exists in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the targetTierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1.
targetOrganizationUnit	organizationIdentifierType	1..1	Required. The target organization in the target tier to be scanned for matching line items. See organizationIdentifierType.

Complex Type: getMatchingLineItemsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	getMatchingLineItemInfoType	1..*	Required. A **lineItemList** contains one or more **lineItemInfo** elements. See getMatchingLineItemInfoType.

Complex Type: getMatchingLineItemsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemList	getMatchingLineItemsListType	1..1	Required. See getMatchingLineItemsListType.

Referenced By

Name	Type
getMatchingLineItemsRequest	Element
getMatchingLineItems	Method

Complex Type: getMatchingLineItemsResponseListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
matchingLineItem	matchingLineItemDataType	1..*	**responseData** contains one or more **matchingLineItem** elements. See matchingLineItemDataType.

Complex Type: getMatchingLineItemsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMatchingLineItemsResponseListType</td><td>0..1</td><td>Information about entitlement line items in the target organization that match the line item you plan to split is listed in the responseData element. See getMatchingLineItemsResponseListType.</td></tr>
<tr><td>failedData</td><td>failedMatchingLineItemsListType</td><td>0..1</td><td>Information about the entitlement line item that could not be matched to line items in the target organization is in the failedData element. See Table failedMatchingLineItemsListType.</td></tr>
</table>

Referenced By

Name	Type
getMatchingLineItemsResponse	Element

Complex Type: getStateChangeHistoryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureList	featureListType	0..1	Optional. See featureListType.
featureBundleList	featureBundleListType	0..1	Optional. See featureBundleListType.
productList	productListType	0..1	Optional. See productListType.
licenseModelList	licenseModelListType	0..1	Optional. See licenseModelListType.
simpleEntitlementList	entitlementListType	0..1	Optional. See entitlementListType.
bulkEntitlementList	entitlementListType	0..1	Optional. See entitlementListType.

Referenced By

Name	Type
getStateChangeHistoryRequest	Element
getStateChangeHistory	Method

Complex Type: getStateChangeHistoryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>stateChangeResponseType</td><td>0..1</td><td>See stateChangeResponseType.</td></tr>
</table>

Referenced By

Name	Type
getStateChangeHistoryResponse	Element

Complex Type: getWebRegKeyCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.

Referenced By

Name	Type
getWebRegKeyCountRequest	Element
getWebRegKeyCount	Method

Complex Type: getWebRegKeyCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	webRegKeyCountDataType	0..1	See webRegKeyCountDataType.

Referenced By

Name	Type
getWebRegKeyCountResponse	Element

Complex Type: getWebRegKeysQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementIdentifier	entitlementIdentifierType	1..1	Required. Entitlement of the bulk entitlement into which the web register keys are loaded. Required. See entitlementIdentifierType.
batchSize	integer	1..1	Required. Starts at 1. Say the getWebRegKeyCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
pageNumber	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getWebRegKeysQueryRequest	Element
getWebRegKeysQuery	Method

Complex Type: getWebRegKeysQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
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<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
• PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
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</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	webRegKeysDataListType	0..1	See webRegKeysDataListType.

Referenced By

Name	Type
getWebRegKeysQueryResponse	Element

Complex Type: hostTypePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the host type.

Complex Type: idListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
id	string	1..*	Required.

Complex Type: idType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
id	string	0..1	Optional string containing the entitlement ID, if you want to specify the ID.
autoGenerate	boolean	0..1	Optional boolean that indicates whether the entitlement ID should be autogenerated.

Complex Type: licenseGeneratorIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license generator configuration.
primaryKeys	licenseGeneratorPKType	0..1	Database primary key of the license generator configuration. See licenseGeneratorPKType.

Complex Type: licenseModelIdentifierType

Description

In the request, specify *either* **uniqueId** *or* **primaryKeys** to uniquely specify the license model, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license model.
primaryKeys	licenseModelPKType	0..1	Database primary key of the license model. See licenseModelPKType.

Complex Type: licenseModelListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..*	Required. See licenseModelIdentifierType.

Complex Type: licenseModelStateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	See licenseModelIdentiferType.
stateChangeRecord	stateChangeDataType	0..*	See stateChangeDataType.

Complex Type: licenseModelStateChangeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModel	licenseModelStateChangeDataType	0..*	See licenseModelStateChangeDataType.

Complex Type: licenseTechnologyIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license technology.
primaryKeys	licenseTechnologyPKType	0..1	Database primary key of the license technology. See licenseTechnologyPKType.

Complex Type: licenseTechnologyPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the license technology.

Complex Type: lifeCycleLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemRecordRefNo	string	1..1	Index of the entitlement line item in the request, starting at 1.
parentLineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.
newLineItem	newEntitlementLineItemDataType	1..1	**createdLineItemData** contains a **newLineItem** element. See newEntitlementLineItemDataType.

Complex Type: lineItemCustomAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
attributeName	string	1..1	Name of a text-type line item custom attribute by which to search for a line item.
stringValue	SimpleQueryType	0..1	Value of the text-type line item custom attribute.

Complex Type: lineItemCustomAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	lineItemCustomAttributeQueryType	0..*	See lineItemCustomAttributeQueryType.

Complex Type: lineItemLifeCycleDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
parentLineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemIdentifierType.
lineItem	createEntitlementLineItemDataType	1..1	Required. See createEntitlementLineItemDataType.
isFull	boolean	0..1	Optional. Set to true if all of the count on the parent line item is to be upgraded or upsold. Set to false if the count of the upgrade or upsell item is taken from **numberOfCopies** set in createEntitlementLineItemDataType.

Content Model

Component	Type	Occurs	Description
allowActivationsOnParent	boolean	0..1	Optional. Set to true if the parent line item can still be activated after it has been renewed. Set to false if the parent line item is obsolete after it has been upgradeded or upsold.
autoDeploy	boolean	0..1	Whether the upgrade or upsell line item should be deployed as soon as it is created.

Complex Type: lineItemStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemdentifierType.
stateToSet	StateType	1..1	Required. One of the following: • DRAFT • DEPLOYED • INACTIVE • OBSOLETE
includeChildItems	boolean	0..1	Optional. If set to true, the state change will be applied to any child line items of this entitlement line item.

Complex Type: linkMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.
maintenanceLineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.

Complex Type: linkMaintenanceLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
linkMaintenanceLineItem	linkMaintenanceLineItemDataType	1..*	See linkMaintenanceLineItemDataType.

Complex Type: linkMaintenanceLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
linkMaintenanceLineItemList	linkMaintenanceLineItemListType	1..1	See linkMaintenanceLineItemListType.

Referenced By

Name	Type
linkMaintenanceLineItemRequest	Element

Referenced By

Name	Type
linkMaintenanceLineItem	Method

Complex Type: linkMaintenanceLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedLinkMaintenanceLineItemListType	0..1	See failedLinkMaintenanceLineItemListType.

Referenced By

Name	Type
linkMaintenanceLineItemResponse	Element

Complex Type: maintenanceIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the maintenance product.
primaryKeys	maintenancePKType	0..1	Database primary key of the maintenance product. See maintenancePKType.

Complex Type: maintenanceLineItemDataType

Derived By

Extending createMaintenanceLineItemDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	idType	1..1	Required. See idType.
maintenanceProduct	productIdentifierType	0..1	Optional, but a product must be identified by product identifier or part number. See productIdentifierType. Can be inferred from the part number or specified explicitly.
partNumber	partNumberIdentifierType	0..1	Optional. See partNumberIdentifierType. A part number can identify a product. If a part number is not specified in the request, but is mapped to the specified product, that part number will be loaded into the entitlement.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.

Content Model

Component	Type	Occurs	Description
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDate	date	0..1	Optional. Start date of the entitlement, which will also be the start date of maintenance.
expirationDate	date	0..1	Optional. The date that the entitlement line item, and maintenance, expire.
isPermanent	boolean	0..1	Whether the maintenance is permanent. If true, the maintenance line item never expires. If true, do not set **term** or **expirationDate**. If false, set **term** or **expirationDate**, but not both.
parentLineItem	entitlementLineItemIdentifierType	0..1	Optional. The entitlement line item that contains the activatable product to which the maintenance is related. See entitlementLineItemIdentifierType.
associatedLineItems	entitlementLineItemIdentifierType	0..*	Supports linking the maintenance with multiple entitlement line items. See entitlementLineItemIdentifierType.
state	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • OBSOLETE

Complex Type: maintenanceLineItemPropertiesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.
maintenanceProduct	productIdentifierType	0..1	See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	See partNumberIdentifierType.

Content Model

Component	Type	Occurs	Description
orderId	string	0..1	Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDate	date	0..1	Start date of the maintenance line item.
expirationDate	date	0..1	Expiration date of the maintenance line item, if not permanent.
isPermanent	boolean	0..1	Whether the maintenance line item is permanent.
state	StateType	0..1	One of the following: • DRAFT • ACTIVE • INACTIVE • DEPLOYED • OBSOLETE • TEST • ON_HOLD

Complex Type: maintenanceLineItemStateDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.

Content Model

Component	Type	Occurs	Description
stateToSet	StateType	1..1	Required. One of the following: • DRAFT • ACTIVE • INACTIVE • DEPLOYED • OBSOLETE • TEST • ON_HOLD

Complex Type: mapEntitlementsToUserRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. The user ID of a self-registered Portal user.
idList	idListType	1..1	Required. See idListType.
userOrg	string	0..1	Optional. User's organization.

Referenced By

Name	Type
mapEntitlementsToUserRequest	Element
mapEntitlementsToUser	Method

Complex Type: mapEntitlementsToUserResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMapEntitlementsToUserDataListType</td><td>0..1</td><td>Information about the IDs that were not mapped to the user is listed in the failedData element. See failedMapEntitlementsToUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
mapEntitlementsToUserResponse	Element

Complex Type: matchingBulkEntDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
matchingBulkEntIdentifier	entitlementIdentifierType	1..1	Required. Identifiers (entitlement ID) of one or more matching bulk entitlements. See entitlementIdentifierType.

Complex Type: matchingLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
matchingLineItemIdentifier	entitlementLineItemIdentifierType	1..1	Identifiers (activation ID) of one or more matching line items. See entitlementLineItemIdentifierType.

Complex Type: mergeEntitlementsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organizationFrom	string	1..1	Required. Organization identifier of the organization that currently owns the assets to be merged to another organization.

Content Model

Component	Type	Occurs	Description
organizationTo	string	1..1	Required. Organization identifier of the organization to which the assets are merged.
mergeUsers	boolean	0..1	Optional. Whether to merge the users of the organization specified as organizationFrom to the organization specified as organizationTo. If a value is not specified, users are merged.
mergeEntitlements	boolean	0..1	Optional. Whether to merge the entitlements and fulfillments of the organization specified as organizationFrom to the organization specified as organizationTo. If a value is not specified, entitlements and fulfillments are merged.

Referenced By

Name	Type
mergeEntitlementsRequest	Element
mergeEntitlements	Method

Complex Type: mergeEntitlementsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.
reason	string	Gives reason for partial failure or failure.

Referenced By

Name	Type
mergeEntitlementsResponse	Element

Complex Type: newEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the new line item.
activationId	string	1..1	Activation ID of the new line item.

Complex Type: organizationIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Name of the organization.
primaryKeys	organizationPKType	0..1	See organizationPKType.

Complex Type: organizationPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the organization.

Complex Type: OrgTypeList

Description

A list of multiple **orgType** elements. Use orgTypeList when you want to query organizations of multiple types. Add an **orgType** element to the **orgTypeList** for each organization type you want to include in the query. If no **orgType** or

Description

orgTypeList is specified, the query searches only CUSTOMER organizations (the default).

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgType	OrgType	1..*	Optional. Defines the organization type. **orgType** can be: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER • SELF_REGISTERED Default: CUSTOMER.

Complex Type: PartnerTierQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	string	1..1	The name of the organization.

Content Model

Component	Type	Occurs	Description
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
partnerTier	string	0..1	Optional. The name of the tier in which the organization exists or ANY. If set to a named tier, the format partnerTier is bo.constants.partnertiernames.tier_name. If not specified, the partner tier searched is the End Customer tier.

Complex Type: partNumberIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the part number, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the part number.
primaryKeys	partNumberPKType	0..1	Database primary key of the part number. See partNumberPKType.

Complex Type: partNumberIdentifierWithModelType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the part number.
primaryKeys	partNumberPKType	0..1	Database primary key of the part number. See partNumberPKType.
licenseModel	licenseModelIdentifierType	0..1	Optional, if you want to map a part number for a product to one specific license model linked to the product. See licenseModelIdentifierType.

Complex Type: partNumberPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
partId	string	1..1	The **partId** of the part number.

Complex Type: policyAttributesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
needRehostsPolicy	boolean	1..1	Whether a a policy governing the number of rehosts must be specified at entitlement time.
needReturnsPolicy	boolean	1..1	Whether a policy governing the number of returns must be specified at entitlement time.

Content Model

Component	Type	Occurs	Description
needRepairsPolicy	boolean	1..1	Whether a policy governing the number of repairs must be specified at entitlement time.
needExtraActivationsPolicy	boolean	1..1	Whether a policy governing the number of extra activations must be specified at entitlement time.
needCancelLicensePolicy	boolean	1..1	Whether a policy governing the crediting of returned license count must be specified at entitlement time.
needVirtualLicensePolicy	boolean	1..1	Whether a policy governing activations on virtual machines must be specified at entitlement time.
needReinstallPolicy	boolean	1..1	Whether a policy governing the number of reinstallations must be established at entitlement time. Applies to trusted storage-type license models only.
needServerHostIdPolicy	boolean	1..1	Whether a policy governing server hostids must be specified at entitlement time.
needNodelockedHostIdPolicy	boolean	1..1	Whether a policy governing nodelocked hostids must be specified at entitlement time.
needPortalServerHostIdPolicy	boolean	1..1	Whether a policy governing server hostids must be specified at entitlement time on the self-service portal.
needPortalNodelockedHostIdPolicy	boolean	1..1	Whether a policy governing nodelocked hostids must be specified at entitlement time on the self-service portal.
needRedundantServerPolicy	boolean	1..1	Whether a policy governing redundant servers must be specified at entitlement time.
needACPIGenerationIdLicensePolicy	boolean	1..1	Whether a policy governing ACPI Generation ID must be specified at entitlement time.

Complex Type: policyAttributesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
rehostsPolicy	policyDataType	0..1	**rehostsPolicy** contains the following elements: • **allowedCount**—number of rehosts allowed per activatable item on this entitlement during the time period defined by the **policyTerm** element. • **policyTerm**—see policyTermType.
returnsPolicy	policyDataType	0..1	**returnsPolicy** contains the following elements: • **allowedCount**—number of returns allowed per activatable item on this entitlement during the time period defined by the **policyTerm** element. • **policyTerm**—see policyTermType.
repairsPolicy	policyDataType	0..1	**repairsPolicy** contains the following elements: • **allowedCount**—number of repairs allowed per activatable item on this entitlement during the time period defined by the **policyTerm** element. • **policyTerm**—see policyTermType.
extraActivationsPolicy	extraActivationDataType	0..1	See extraActivationDataType.
cancelLicensePolicy	cancelLicensePolicyDataType	0..1	See cancelLicensePolicyDataType.
virtualLicensePolicy	virtualLicensePolicyDataType	0..1	See virtualLicensePolicyDataType.
reinstallPolicy	reinstallPolicyDataType	0..1	See reinstallPolicyDataType.
acpiGenerationIdLicensePolicy	acpiGenerationIdLicensePolicyDataType	0..1	See acpiGenerationIdLicensePolicyDataType.

Complex Type: policyTermType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
duration	integer	1..1	Required. Specify the number of units of time, for example, 10, for a duration of 10 **durationUnit**.
durationUnit	DurationUnit	1..1	Required. Specify one of the following units of time: • DAYS • WEEKS • MONTHS • YEARS

Complex Type: productIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Note: *In the Entitlement Order service, productIdentifierType is used to identify products, maintenance products, and suites. In the Product Packaging Service, each has its own identifier type.*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the product.
primaryKeys	productPKType	0..1	Database primary key of the product. See productPKType.

Complex Type: productIdentifierWithCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.
count	positiveInteger	1..1	Required. Positive integer that indicates the cardinality of the product in the suite.

Complex Type: productListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..*	Required. See productIdentifierType.

Complex Type: productPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the product.
version	string	1..1	The **version** of the product.

Complex Type: productStateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	See productIdentiferType.
stateChangeRecord	stateChangeDataType	0..*	See stateChangeDataType.

Complex Type: productStateChangeListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productStateChangeDataType	0..*	See productStateChangeDataType.

Complex Type: reinstallPolicyDataType

Description

A reinstall policy can designate an umbrella default policy or specify different reinstall policies for each type of machine identifier via an advanced policy, or both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
defaultPolicy	policyDataType	0..1	**defaultPolicy** contains the following elements: • **allowedCount** • **policyTerm**—see policyTermType.
advancedPolicy	advancedReinstallPolicyType	0..1	See advancedReinstallPolicyType.

Complex Type: removeEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
lineItemIdentifier	entitlementLineItemIdentifierType	0..*	See entitlementLineItemIdentifierType.

Complex Type: removeEntitlementLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemData	removeEntitlementLineItemDataType	1..*	Required. A **removeEntitlementLineItemRequest** contains an array of **lineItemData** elements to be deleted. See removeEntitlementLineItemDataType.

Referenced By

Name	Type
removeEntitlementLineItemRequest	Element
deleteEntitlementLineItem	Method

Complex Type: removeEntitlementLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
failedData	failedRemoveEntitlementLineItemDataListType	0..1	Information about the entitlements that were not deleted is listed in the **failedData** element. See failedRemoveEntitlementLineItemDataListType.

Referenced By

Name	Type
removeEntitlementLineItemResponse	Element

Complex Type: renewedEntitlementLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemRecordRefNo	string	1..1	Index of the entitlement line item in the request, starting at 1.
parentLineItemIdentifier	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.
newLineItem	newEntitlementLineItemDataType	1..1	**renewedLineItem** contains a **newLineItem** element. See newEntitlementLineItemDataType.

Complex Type: renewEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
parentEntitlementIdentifier	entitlementIdentifierType	0..1	Optional. If not provided, the parent entitlement is inferred from the **parentLineItemIdentifier** in renewLineItemDataType. See entitlementIdentifierType.
renewLineItemData	renewLineItemDataType	1..*	Required. See renewLineItemDataType.

Complex Type: renewEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	renewEntitlementDataType	0..*	Required. A renewEntitlementRequest contains an array of entitlementData elements. See renewEntitlementDataType.

Referenced By

Name	Type
renewLicenseRequest	Element
renewLicense	Method

Complex Type: renewEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRenewEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not renewed is listed in the failedData element. See failedRenewEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdRenewEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were renewed is listed in the responseData element. See createdRenewEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
renewLicenseResponse	Element

Complex Type: renewLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
parentLineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemIdentifierType.
renewParameters	renewParametersDataType	1..1	Required. See renewParametersDataType.
isFull	boolean	0..1	Optional. Set to true if all of the count on the parent line item is to be renewed. Set to false if the count of the renew item is taken from **numberOfCopies** set in renewParametersDataType.
allowActivationsOnParent	boolean	0..1	Optional. Set to true (the default) if the parent line item can still be activated after it has been renewed. Set to false to change the state of the parent line item to OBSOLETE after it has been renewed.
autoDeploy	boolean	0..1	Whether the renew line item should be deployed as soon as it is created.

Complex Type: renewParametersDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	idType	1..1	Required. See idType.
isPermanent	boolean	0..1	Whether the entitlement line item, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **expirationTerms**. If false, set **expirationTerms**.
expirationTerms	expirationTermsDataType	0..1	See expirationTermsDataType.
numberOfCopies	integer	0..1	Number of copies entitled by this line item. Set if **isFull** is set to false in renewLineItemDataType.
startDate	date	0..1	Start date of the entitlement.

Content Model

Component	Type	Occurs	Description
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION ***Note:*** *If neither startDate or startDateOption are specified, the expiration date of the original entitlement is used.*
versionDate	date	0..1	If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionDateAttributes	versionDateAttributesType	0..1	If any of the features in the product use date-based versions, set versionDateAttributes to reflect when and how you want to specify the version date. See versionDateAttributesType.
description	string	0..1	A brief description of the renewal.
orderId	string	0..1	Optional. Order ID from CRM or ERP systems.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP systems.
licenseModel	licenseModelIdentifierType	0..1	Optional, but before the entitlement is deployed, a license model must be uniquely identified by a license model identifier, part number, or product. If no license model is specified here, the following license-model-related values are copied from the parent line item: All three license models (licenseModel plus the alternate license models), entitlement-time license attributes (licenseModelAttributes), entitlement-time policy attributes (policyAttributes), and entitlement-time time zone setting (FNPTimeZoneValue). If a license model is specified here, the license-model-related values are not copied from the parent line item. In such cases, any of these license-model-related values necessary for successful renewal must be specified in this request. See licenseModelIdentifierType.

Content Model

Component	Type	Occurs	Description
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	Any entitlement-time attributes must be set before deployment of the entitlement. See attributeDescriptorDataType.
policyAttributes	policyAttributesListType	0..1	Required if any policies must be set at entitlement time. See policyAttributesListType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
lineItemAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: replaceOnlyEntitlementLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	addEntitlementLineItemDataType	1..*	See addEntitlementLineItemDataType.

Referenced By

Name	Type
replaceEntitlementLineItemRequest	Element
replaceEntitlementLineItem	Method

Complex Type: replaceOnlyEntitlementLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedAddEntitlementLineItemDataListType</td><td>0..1</td><td>See failedAddEntitlementLineItemDataListType.</td></tr>
<tr><td>responseData</td><td>addedEntitlementLineItemDataListType</td><td>0..1</td><td>See addedEntitlementLineItemDataListType.</td></tr>
</table>

Referenced By

Name	Type
replaceEntitlementLineItemResponse	Element

Complex Type: roleIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Role ID.
primaryKeys	rolePKType	0..1	See rolePKType.

Complex Type: rolePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the role.

Complex Type: searchActivatableItemDataType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

parentBulkEntitlementId	SimpleQueryType	0..1	Optional. A **parentBulkEntitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID of the parent bulk entitlement of a simple entitlement created when a web register key is redeemed.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

entitlementId	SimpleQueryType	0..1	Optional. An **entitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID value.
			• **searchType**—one of the following simpleSearchType values.
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

activationId	SimpleQueryType	0..1	Optional. An **activationId** element contains:
			• **value**—a string to match part or all of the activation ID value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

productName	SimpleQueryType	0..1	Optional. A **productName** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

productVersion	SimpleQueryType	0..1	Optional. A **productVersion** element contains:
			• **value**—a string to match part or all of the product version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description
productType	ProductType	0..1	Optional. A **productType** element contains one of the following: • LICENSED_PRODUCT • SUITE • MAINTENANCE. Since maintenance is not attached to a license model, if selected, turn off the LicenseModel and LicenseTechnology attributes from the response.

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

startDate	DateQueryType	0..1	Optional. A **startDate** element contains:
			• **value**—a date value to compare to the start date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

isPermanent	boolean	0..1	Optional.

Content Model

Component	Type	Occurs	Description

expirationDate	DateQueryType	0..1	Optional. An **expirationDate** element contains:
			• **value**—a date value to compare to the expiration date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

versionDate	DateQueryType	0..1	Optional. An **versionDate** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

orderId	SimpleQueryType	0..1	Optional. An **orderId** element contains:
			• **value**—a string to match part or all of the order ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

withNoOrderId	boolean	0..1	Optional. If true, return only activatable items with no order ID. ***Note:****Since this field is intended to return results without the specified attribute, setting this to false will have no effect on query results.*
restrictToItemsWithCount	boolean	0..1	Optional. If true, return only activatable items that have a non-zero remaining count. ***Note:****This field is intended to return results without the specified attribute. Therefore, setting this value to false will have no effect on query results.*
fulfilledAmount	NumberQueryType	0..1	The number of copies fulfilled.
userId	string	0..1	Optional. Set to the user name (login) of a portal user to return the activatable items that this user can see if logged in to the portal UI.
customAttributes	customAttributesQueryListType	0..1	Optional. See customAttributesQueryListType.
soldTo	SimpleQueryType	0..1	Optional. Organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the channelPartners element.
parentBulkEntSoldTo	SimpleQueryType	0..1	Organization to which the bulk entitlement was sold. ***Note:****Not available for the operation getActivatableItemsQuery. For queries using this parameter, use the operation getEntitlementLineItemPropertiesQuery.*
activatableItemType	ActivatableItemType	0..1	One of the following: • LINEITEM • WEBREGKEY
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
organizationUnitName	PartnerTierQueryType	0..1	Optional. See PartnerTierQueryType.

Content Model

Component	Type	Occurs	Description

currentOwnerName	SimpleQueryType	0..1	Optional. A **currentOwnerName** element contains:
			• **value**—a string to match part or all of the user name of the user who created the entitlement.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

lineItemParentLineItemId	SimpleQueryType	0..1	Optional. The line item ID (activation ID) of a parent line item. Use lineItemParentLineItemId with • getActivatableItemCount to return a count of immediate child line items of the parent line item • getActivatableItemsQuery to return immediate child line items of the parent line item. • getEntitlementLineItemPropertiesQuery to return a configurable set of properties of immediate child line items.

createdOnDateTime	DateTimeQueryType	0..1	Optional. A **createdOnDateTime** element contains:
			• **value**—a date and time value to compare to the created date and time value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

lastModifiedDateTime	DateTimeQueryType	0..1	Optional. A **lastModifiedDateTime** element contains:
			• **value**—a date and time value to compare to the last modified date and time value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lineItemAttributes	lineItemCustomAttributesQueryListType	0..1	See lineItemCustomAttributesQueryListType.

Complex Type: searchActivatableItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activatableItemSearchCriteria	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Defaults to 1. Say the getActivatableItemCount operation using the same query parameters returns 100 records.If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
searchActivatableItemRequest	Element
getActivatableItemsQuery	Method

Complex Type: searchActivatableItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>activatableItem</td><td>activatableItemDetailType</td><td>0..*</td><td>See activatableItemDetailType.</td></tr>
</table>

Referenced By

Name	Type
searchActivatableItemResponse	Element

Complex Type: searchBulkEntitlementDataType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

entitlementId	SimpleQueryType	0..1	Optional. An **entitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

description	SimpleQueryType	0..1	Brief description of the bulk entitlement.

productName	SimpleQueryType	0..1	Optional. A **productName** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

productVersion	SimpleQueryType	0..1	Optional. A **productVersion** element contains:
			• **value**—a string to match part or all of the product version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

productType	ProductType	0..1	Optional. A **productType** element contains one of the following: • LICENSED_PRODUCT • SUITE • MAINTENANCE

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

soldTo	SimpleQueryType	0..1	Optional. A **soldTo** element contains:
			• **value**—a string to match part or all of the sold-to organization.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS
			Deprecated in favor of the channelPartners element.

shipToEmail	SimpleQueryType	0..1	Optional. A **shipToEmail** element contains:
			• **value**—a string to match part or all of the email address.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

shipToAddress	SimpleQueryType	0..1	Optional. A **shipToAddress** element contains:
			• **value**—a string to match part or all of the postal address.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

isPermanent	boolean	0..1	Optional. Set to true if the entitlement is permanent; false if the entitlement expires.

Content Model

Component	Type	Occurs	Description

expirationDate	DateQueryType	0..1	Optional. A **expirationDate** element contains:
			• **value**—a date value to compare to the expiration date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

createdOn	DateQueryType	0..1	Optional. A **createdOn** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

versionDate	DateQueryType	0..1	Optional. A **versionDate** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of TEST, DRAFT, DEPLOYED, INACTIVE, OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			• STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

createdUserId	SimpleQueryType	0..1	Optional. A **createdUserId** element contains:
			• **value**—a string to match part or all of the user name of the user who created the entitlement.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

customAttributes	customAttributesQueryListType	0..1	Any custom attributes associated with the bulk entitlement. See customAttributesQueryListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
organizationUnitName	PartnerTierQueryType	0..1	Optional. See PartnerTierQueryType.

currentOwnerName	SimpleQueryType	0..1	Optional. A **currentOwnerName** element contains:
			• **value**—a string to match part or all of the user name of the user who created the entitlement.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: searchEntitlementDataType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

entitlementId	SimpleQueryType	0..1	Optional. An **entitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

entDescription	SimpleQueryType	0..1	Optional. An **entDescription** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

productName	SimpleQueryType	0..1	Optional. A **productName** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

productVersion	SimpleQueryType	0..1	Optional. A **productVersion** element contains:
			• **value**—a string to match part or all of the product version.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

productType	ProductType	0..1	Optional. A **productType** element contains one of the following: • LICENSED_PRODUCT • SUITE • MAINTENANCE

Content Model

Component	Type	Occurs	Description

partNumber	SimpleQueryType	0..1	Optional. A **partNumber** element contains:
			• **value**—a string to match part or all of the part number.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

isBulk	boolean	0..1	Optional. Set to true if the entitlement is a bulk entitlement; false if the entitlement is a simple entitlement. If not specified, **isBulk** defaults to false.

soldTo	SimpleQueryType	0..1	Optional. A **soldTo** element contains:
			• **value**—a string to match part or all of the sold-to organization.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

shipToEmail	SimpleQueryType	0..1	Optional. A **shipToEmail** element contains:
			• **value**—a string to match part or all of the email address.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

shipToAddress	SimpleQueryType	0..1	Optional. A **shipToAddress** element contains:
			• **value**—a string to match part or all of the postal address.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

startDate	DateQueryType	0..1	Optional. A **startDate** element contains:
			• **value**—a date value to compare to the start date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

isPermanent	boolean	0..1	Optional. Set to true if the entitlement is permanent; false if the entitlement expires.

expirationDate	DateQueryType	0..1	Optional. A **expirationDate** element contains:
			• **value**—a date value to compare to the expiration date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

createdOn	DateQueryType	0..1	Optional. A **createdOn** element contains:
			• **value**—a date value to compare to the creation date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

versionDate	DateQueryType	0..1	Optional. A **versionDate** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDate	DateQueryType	0..1	Optional. A **lastModifiedDate** element contains:
			• **value**—a date value to compare to the last modified date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

description	SimpleQueryType	0..1	Optional. A **description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

state	StateQueryType	0..1	Optional. See StateQueryType.

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

createdUserId	SimpleQueryType	0..1	Optional. A **createdUserId** element contains:
			• **value**—a string to match part or all of the user name of the user who created the entitlement.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description
organizationUnitName	PartnerTierQueryType	0..1	Optional. See PartnerTierQueryType.

currentOwnerName	SimpleQueryType	0..1	Optional. A **currentOwnerName** element contains:
			• **value**—a string to match part or all of the user name of the user who created the entitlement.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

maintStartDate	DateQueryType	0..1	Optional. A **maintStartDate** element contains:
			• **value**—a date value to compare to the maintenance start date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON
			Searches for entitlements that have regular line items that are linked with maintenance line items with a start date that matches the value and searchType specified here.
			Note that all of the line items and maintenance line items on the matching entitlements are in the response, not just the ones directly related to the maintenance query parameter. In addition, the entitlements in the response may or may not themselves contain the matching maintenance line items.

Content Model

Component	Type	Occurs	Description
maintIsPermanent	boolean	0..1	Optional. Set to true if the maintenance is permanent; false if the maintenance expires. Searches for entitlements that have regular line items that are linked with maintenance line items that are permanent (true) or expiring (false). Note that all of the line items and maintenance line items on the matching entitlements are in the response, not just the ones directly related to the maintenance query parameter. In addition, the entitlements in the response may or may not themselves contain the matching maintenance line items.

maintExpirationDate	DateQueryType	0..1	Optional. A **maintExpirationDate** element contains:
			• **value**—a date value to compare to the maintenance expiration date value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON.
			Searches for entitlements that have regular line items that are linked with maintenance line items with a expiration date that matches the value and searchType specified here.
			Note that all of the line items and maintenance line items on the matching entitlements are in the response, not just the ones directly related to the maintenance query parameter. In addition, the entitlements in the response may or may not themselves contain the matching maintenance line items.

entitlementAttributes	entCustomAttributesQueryListType	0..1	See entCustomAttributesQueryListType.

Complex Type: searchEntitlementLineItemPropertiesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType. Leave this element blank to return all activatable line items.
entitlementLineItemResponseConfig	entitlementLineItemResponseConfigRequestType	1..1	See entitlementLineItemResponseConfigRequestType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
searchEntitlementLineItemPropertiesRequest	Element
getEntitlementLineItemPropertiesQuery	Method

Complex Type: searchEntitlementLineItemPropertiesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlementLineItem</td><td>entitlementLineItemPropertiesType</td><td>0..*</td><td>See entitlementLineItemPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
searchEntitlementLineItemPropertiesResponse	Element

Complex Type: searchEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementSearchCriteria	searchEntitlementDataType	1..1	Required. See searchEntitlementDataType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Defaults to 1. Say the getEntitlementCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
searchEntitlementRequest	Element
getEntitlementsQuery	Method

Complex Type: searchEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlement</td><td>entitlementDataType</td><td>0..*</td><td>See entitlementDataType.</td></tr>
</table>

Referenced By

Name	Type
searchEntitlementResponse	Element

Complex Type: setEntitlementStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	entitlementStateDataType	1..*	Required. A setEntitlementState request contains an array of entitlement elements for which to change the state. See entitlementStateDataType.

Referenced By

Name	Type
setEntitlementStateRequest	Element
setEntitlementState	Method

Complex Type: setEntitlementStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedEntitlementStateDataListType</td><td>0..1</td><td>Information about the entitlements whose state was not set is listed in the failedData element. See failedEntitlementStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setEntitlementStateResponse	Element

Complex Type: setLineItemStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	lineItemStateDataType	1..*	Required. A **setLineItemState** request contains an array of **lineItem** elements for which to change the state. See lineItemStateDataType.

Referenced By

Name	Type
setLineItemStateRequest	Element
setLineItemState	Method

Complex Type: setLineItemStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLineItemStateDataListType</td><td>0..1</td><td>Information about the line items whose state was not set is listed in the failedData element. See failedLineItemStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setLineItemStateResponse	Element

Complex Type: setMaintenanceLineItemStateRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItem	maintenanceLineItemStateDataType	1..*	See maintenanceLineItemStateDataType.

Referenced By

Name	Type
setMaintenanceLineItemStateRequest	Element
setMaintenanceLineItemState	Method

Complex Type: setMaintenanceLineItemStateResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.
failedMaintenanceData	failedMaintenanceLineItemStateDataListType	0..1	See failedMaintenanceLineItemStateDataListType.

Referenced By

Name	Type
setMaintenanceLineItemStateResponse	Element

Complex Type: simpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementId	idType	1..1	See idType.
description	string	0..1	Optional description field, used while creating or updating the simple entitlement.
soldTo	string	1..1	Optional. Organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the **channelPartners** element.
shipToEmail	string	0..1	Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Postal address for the sold-to organization.
state	StateType	0..1	One of the following: • TEST • DRAFT • DEPLOYED • INACTIVE • OBSOLETE • ON_HOLD
createdUserId	string	0..1	User name of the user who created this entitlement.
lineItems	entitlementLineItemDataType	0..*	See entitlementLineItemDataType.
maintenanceLineItems	maintenanceLineItemDataType	0..*	See maintenanceLineItemDataType.
channelPartners	channelPartnerDataListType	0..1	See channelPartnerDataListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
entitlementAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: splitBulkEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntIdentifier	entitlementIdentifierType	1..1	Required. Identifier (entitlement ID) of the original bulk entitlement that was the source of the split. See entitlementIdentifierType.
newBulkEntIdentifier	entitlementIdentifierType	0..1	Optional. If a new bulk entitlement was created, this is the identifier (entitlement ID) of the entitlement that contains the line items that received the web register keys as a result of the split. See entitlementIdentifierType.

Complex Type: splitBulkEntitlementInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
numberOfWRKs	integer	1..1	Required. The number of unredeemed web register keys to assign.
targetTierName	string	1..1	Required. The name of the tier that contains the target organization. The tier name exists in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the targetTierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1.
targetOrganizationUnit	organizationIdentifierType	1..1	Required. The target organization. See organizationIdentifierType.

Content Model

Component	Type	Occurs	Description
targetContact	userIdentifierType	0..1	Optional. The user at the target organization who you want to receive email messages about the result of this operation. See userIdentifierType.
matchingBulkEntIdentifier	entitlementIdentifierType	0..1	Optional. Existing entitlement line item to which the web register keys are to be transferred. If no matchingBulkEntIdentifier or matchingLineItemIdentifier is specified, or if the specified identifier does not match a compatible, existing bulk entitlement or redeemed web register key, the split operation creates a new bulk entitlement, at the target organization, to receive the web register keys. See entitlementLineItemIdentifierType.
matchingLineItemIdentifier	entitlementLineItemIdentifierType	0..1	Optional. Existing entitlement line item to which the web register keys are to be transferred. If no matchingBulkEntIdentifier or matchingLineItemIdentifier is specified, or if the specified identifier does not match a compatible, existing bulk entitlement or redeemed web register key, the split operation creates a new bulk entitlement, at the target organization, to receive the web register keys. See entitlementLineItemIdentifierType.

Complex Type: splitBulkEntitlementListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementInfo	splitBulkEntitlementInfoType	1..*	Required. A **splitBulkEntitlementList** contains one or more **bulkEntitlementInfo** elements. See splitBulkEntitlementInfoType.

Complex Type: splitBulkEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementList	splitBulkEntitlementListType	1..1	Required. See splitBulkEntitlementListType.

Referenced By

Name	Type
splitBulkEntitlementRequest	Element
splitBulkEntitlement	Method

Complex Type: splitBulkEntitlementResponseListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
splitBulkEntitlement	splitBulkEntitlementDataType	1..*	**responseData** contains one or more **splitBulkEntitlement** elements. See splitBulkEntitlementDataType.

Complex Type: splitBulkEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>splitBulkEntitlementResponseListType</td><td>0..1</td><td>Information about the bulk entitlement that was split, and optionally the bulk entitlement to which the split web register keys went, is listed in the responseData element. See splitBulkEntitlementResponseListType.</td></tr>
<tr><td>failedData</td><td>failedSplitBulkEntitlementListType</td><td>0..1</td><td>Information about an entitlement line item that was not split is listed in the failedData element. See failedSplitBulkEntitlementListType.</td></tr>
</table>

Referenced By

Name	Type
splitBulkEntitlementResponse	Element

Complex Type: splitLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. If a new line item was created, this is the identifier (activation ID) of the original line item that was the source of the split. See entitlementLineItemIdentifierType.
entitlementIdentifier	entitlementIdentifierType	0..1	Optional. Identifier (entitlement ID) of the entitlement that contains the line item that received the counts as a result of the split. See entitlementIdentifierType.

Complex Type: splitLineItemInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. The line item to split. See entitlementLineItemIdentifierType.
numberOfCopies	integer	1..1	Required. The number of copies to split to another line item.
targetTierName	string	1..1	Required. The name of the tier that contains the target organization. The tier name exists in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the targetTierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1
targetOrganizationUnit	organizationIdentifierType	1..1	The target organization in the target tier. See organizationIdentifierType.

Content Model

Component	Type	Occurs	Description
targetContact	userIdentifierType	0..1	Optional. The user at the target organization who you want to receive email messages about the result of this operation. See userIdentifierType.
matchingLineItemIdentifier	entitlementLineItemIdentifierType	0..1	Optional. Existing entitlement line item to which the count specified as numberOfCopies is to be transferred. If no matchingLineItemIdentifier is specified, or if it does not match to an existing entitlement line item, the split operation creates a new entitlement and line item at the target organization. See entitlementLineItemIdentifierType.

Complex Type: splitLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	splitLineItemInfoType	1..*	Required. A **lineItemList** contains one or more **lineItemInfo** elements. See splitLineItemInfoType.

Complex Type: splitLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemList	splitLineItemListType	1..1	Required. See splitLineItemListType.

Referenced By

Name	Type
splitLineItemRequest	Element
splitLineItem	Method

Complex Type: splitLineItemResponseListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
splitLineItem	splitLineItemDataType	1..*	**responseData** contains one or more **splitLineItem** elements. See splitLineItemDataType.

Complex Type: splitLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
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<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>splitLineItemResponseListType</td><td>0..1</td><td>Information about the entitlement line item that was split, and optionally the entitlement to which the split counts went, is listed in the responseData element. See splitLineItemResponseListType.</td></tr>
<tr><td>failedData</td><td>failedSplitLineItemListType</td><td>0..1</td><td>Information about an entitlement line item that was not split is listed in the failedData element. See failedSplitLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
splitLineItemResponse	Element

Complex Type: stateChangeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
eventName	StateChangeEventType	1..1	See StateChangeEventType.
eventDate	dateTime	1..1	The date and time that the event occurred.
userId	string	1..1	The user name of the user who initiated the event.
description	string	0..1	Optional. Description of the event.

Complex Type: stateChangeResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureList	featureStateChangeListType	0..1	Optional. See featureStateChangeListType.
featureBundleList	featureBundleStateChangeListType	0..1	Optional. See featureBundleStateChangeListType.
productList	productStateChangeListType	0..1	Optional. See productStateChangeListType.
licenseModelList	licenseModelStateChangeListType	0..1	Optional. See licenseModelStateChangeListType.
simpleEntitlementList	entitlementStateChangeListType	0..1	Optional. See entitlementStateChangeListType.
bulkEntitlementList	entitlementStateChangeListType	0..1	Optional. See entitlementStateChangeListType.

Complex Type: suiteIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the suite.
primaryKeys	suitePKType	0..1	Database primary key of the suite. See suitePKType.

Complex Type: transferEntitlementInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
organizationTo	string	1..1	Required. Organization identifier of the organization to which the entitlement is to be transferred.
retainExistingIds	boolean	0..1	Optional. Set to true to preserve entitlement and activation IDs associated with the entitlement after it is transferred. Set to false (the default) to have FlexNet Operations generate new entitlement and activation IDs for the entitlement. If custom IDs are required, they must be set in subsequent update requests.
returnActiveFulfillments	boolean	0..1	Optional. Set to true (the default) to return any active fulfillments that have been activated against this entitlement before the transfer is done. The transfer cannot proceed if there are active fulfillments against the entitlement.
forceTransferEvenIfNoTargetUsers	boolean	0..1	Optional. Set to true to force the transfer even in cases where product category constraints prevent all current users at the target organization from seeing the entitlement. Default: false.

Content Model

Component	Type	Occurs	Description
forceTransferEvenIfParentAndChildSeparated	boolean	0..1	Optional. Set to true to force the transfer even in cases where the transfer causes the parent and child line items to be separated. There are two cases in which this separation might occur: • If the entitlement has line items that are child line items that have a specified parent, and the parent line item does not belong to this same entitlement or the target organization, then all such child line items will have the parents set to null. • If the entitlement has line items such that any one is a parent (has child line items) and the child line items belong to other entitlements. Default: false.

Complex Type: transferEntitlementsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementInfo	transferEntitlementInfoType	1..*	Required. See transferEntitlementInfoType.

Complex Type: transferEntitlementsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementList	transferEntitlementsListType	1..1	Required. See transferEntitlementInfoType.

Referenced By

Name	Type
transferEntitlementsRequest	Element
transferEntitlement	Method

Complex Type: transferEntitlementsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</td></tr>
<tr><td>responseData</td><td>transferredEntitlementsListType</td><td>0..1</td><td>Information about the entitlements that were transferred is listed in the responseData element. See transferredEntitlementsListType.</td></tr>
<tr><td>failedData</td><td>failedTransferEntitlementListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedTransferEntitlementListType.</td></tr>
</table>

Referenced By

Name	Type
transferEntitlementsResponse	Element

Complex Type: transferLineItemInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemIdentifierType.
numberOfCopies	integer	1..1	Required. The number of copies to transfer.
useSameActivationId	boolean	0..1	Optional. Set to true to preserve the activation ID associated with the entitlement line item after it is transferred. Set to false (the default) to specify a custom activation ID for the new line item or to have FlexNet Operations generate a new activation ID for the entitlement line item.
customActivationId	string	0..1	Specify a custom activation ID if **useSameActivationId** is false and you want assign a specific activation ID for the new line item. Set **generateActivationId** to false.
generateActivationId	boolean	0..1	Set to true if **useSameActivationId** is false and you want FlexNet Operations to generate an activation ID for the new line item. Do not set a **customActivationId**.
entitlementBelongsTo	entitlementIdentifierType	1..1	Required. Existing entitlement to which the line items are to be transferred. See entitlementIdentifierType.

Complex Type: transferLineItemsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemInfo	transferLineItemInfoType	1..*	Required. A **lineItemList** contains one or more **lineItemInfo** elements. See transferLineItemInfoType.

Complex Type: transferLineItemsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemList	transferLineItemsListType	1..1	Required. See transferLineItemsListType.

Referenced By

Name	Type
transferLineItemsRequest	Element
transferLineItem	Method

Complex Type: transferLineItemsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

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<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>responseData</td><td>transferredLineItemsListType</td><td>0..1</td><td>Information about the entitlements that were transferred is listed in the responseData element. See transferredLineItesmsListType.</td></tr>
<tr><td>failedData</td><td>failedTransferLineItemListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedTransferLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
transferLineItemsResponse	Element

Complex Type: transferredEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Entitlement ID of the transferred entitlement. See entitlementIdentifierType.
lineItemIdentifierMap	transferredLineItemMapType	0..*	Array of line items on the transferred entitlement. See transferredLineItemMapType.

Complex Type: transferredEntitlementsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
transferredEntitlement	transferredEntitlementDataType	1..*	**responseData** contains one or more **transferredEntitlement** elements. See transferredEntitlementDataType.

Complex Type: transferredLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Identifier of the new line item. See entitlementLineItemIdentifierType.

Content Model

Component	Type	Occurs	Description
transferredFromId	entitlementLineItemIdentifierType	1..1	Identifier of the line item before the transfer. See entitlementLineItemIdentifierType.

Complex Type: transferredLineItemMapType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Activation ID of the transferred line item.
transferredFromId	string	0..1	If the IDs on the entitlement were not retained during transfer, this element contains the previous activation ID of the entitlement line item. If the IDs were retained for the transferred entitlement, this element contains an activation ID that has been altered from the previous ID.

Complex Type: transferredLineItemsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
transferredLineItem	transferredLineItemDataType	1..*	**responseData** contains one or more **transferredLineItem** elements. See transferredLineItemDataType.

Complex Type: trustedKeyIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the transaction key.
primaryKeys	trustedKeyPKType	0..1	Database primary key of the transaction key. See trustedKeyPKType.

Complex Type: unlinkMaintenanceLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	The licensed product line item to be unlinked. See entitlementLineItemIdentifierType.
maintenanceLineItemIdentifier	entitlementLineItemIdentifierType	1..1	The maintenance line item to be unlinked. See entitlementLineItemIdentifierType.

Complex Type: unlinkMaintenanceLineItemListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
unlinkMaintenanceLineItem	unlinkMaintenanceLineItemDataType	1..*	See unlinkMaintenanceLineItemDataType.

Complex Type: unlinkMaintenanceLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
unlinkMaintenanceLineItemList	unlinkMaintenanceLineItemListType	1..1	See unlinkMaintenanceLineItemListType.

Referenced By

Name	Type
unlinkMaintenanceLineItemRequest	Element
unlinkMaintenanceLineItem	Method

Complex Type: unlinkMaintenanceLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
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</table>
</td></tr>
<tr><td>failedData</td><td>failedUnlinkMaintenanceLineItemListType</td><td>0..1</td><td>See failedUnlinkMaintenanceLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
unlinkMaintenanceLineItemResponse	Element

Complex Type: updateBulkEntitlementDataType

Description

The **entitlementIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
entitlementId	idType	0..1	Only need to specify if modifying value. See idType.
soldTo	string	0..1	Optional. Only need to specify if modifying the value of the Distributor organization. Organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the **channelPartners** element.
product	productIdentifierType	0..1	Only need to specify if modifying value. See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	Only need to specify if modifying value. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Only need to specify if modifying value. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • See attributeDescriptorDataType. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Content Model

Component	Type	Occurs	Description
policyAttributes	policyAttributesListType	0..1	Only need to specify if modifying values. See policyAttributesListType.
shipToEmail	string	0..1	Only need to specify if modifying value. Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Only need to specify if modifying value. Postal address for the sold-to organization.
orderId	string	0..1	Only need to specify if modifying value. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Only need to specify if modifying value. Order line number from CRM or ERP system.
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Only need to specify if modifying value. Whether the entitlement, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set **term** or **expirationDate**, but not both.
term	DurationType	0..1	Only need to specify if modifying value. The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
expirationDate	date	0..1	Only need to specify if modifying value. The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set **term** or **expirationDate**, but not both.
versionDate	date	0..1	Only need to specify if modifying value. If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.

Content Model

Component	Type	Occurs	Description
versionDateAttributes	versionDateAttributesType	0..1	Only need to specify if modifying value. If any of the features in the product use date-based versions, set **versionDateAttributes** to reflect when and how you want to specify the version date. See versionDateAttributesType.
numberOfCopies	integer	0..1	Only need to specify if modifying value. Number of copies of the product entitled by each web register key on this entitlement.
description	string	0..1	Only need to specify if modifying value. Describe what makes this bulk entitlement unique.
autoDeploy	boolean	0..1	Whether to deploy this entitlement as soon as it is updated.
updatedEntitledProducts	updateEntitledProductDataListType	0..1	See updateEntitledProductDataListType.
channelPartners	channelPartnerDataListType	0..1	Optional. Only need to specify if modifying value. The organization in the specified tier will be added or replaced. See channelPartnerDataListType.
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.

Complex Type: updateBulkEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	updateBulkEntitlementDataType	1..*	Required. An updateBulkEntitlementRequest contains a bulkEntitlement element. See updateBulkEntitlementDataType.

Referenced By

Name	Type
updateBulkEntitlementRequest	Element
updateBulkEntitlement	Method

Complex Type: updateBulkEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
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</table>
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<tr><td>failedData</td><td>failedUpdateBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not updated is listed in the failedData element. See failedUpdateBulkEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateBulkEntitlementResponse	Element

Complex Type: updateEntitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitledProducts	entitledProductDataType	0..*	See entitledProductDataType.
opType	CollectionOperationType	1..1	Required. Specify one of the following for each entitlement to be modified: • REPLACE • ADD • DELETE

Complex Type: updateEntitlementLineItemDataType

Description

The **entitlementIdentifier** always needs to be specified, along with the new values of the elements to be updated

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
lineItemData	updateLineItemDataType	0..*	See updateLineItemDataType.
maintenanceLineItemData	updateMaintenanceLineItemDataType	0..*	See updateMaintenanceLineItemDataType.
autoDeploy	boolean	0..1	Whether to deploy this line item as soon as it is updated.

Complex Type: updateEntitlementLineItemRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemData	updateEntitlementLineItemDataType	1..*	Required. An updateEntitlementLineItemRequest contains a lineItemData element. See updateEntitlementLineItemDataType.

Referenced By

Name	Type
updateEntitlementLineItemRequest	Element
updateEntitlementLineItem	Method

Complex Type: updateEntitlementLineItemResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</table>

Referenced By

Name	Type
updateEntitlementLineItemResponse	Element

Complex Type: updateLineItemDataType

Description

The **lineItemIdentifier** always needs to be specified, along with the new values of the elements to be updated

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemIdentifierType.
activationId	idType	0..1	Only need to specify if modifying value. See idType.
description	string	0..1	Optional description of the entitlement line item.
product	productIdentifierType	0..1	Only need to specify if modifying value. See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	Only need to specify if modifying value. See partNumberIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	Only need to specify if modifying value. See licenseModelIdentifierType.
alternateLicenseModel1	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
alternateLicenseModel2	licenseModelIdentifierType	0..1	Optional. Up to three license models are supported on a FlexNet license technology line item, one each of a certificate-based, trusted storage, and embedded on a single line item. See licenseModelIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	• Any entitlement-time attributes must be set before deployment of the entitlement. • If a request or response contains multiple license models, the accompanying license model attributes are a union of the attributes in all the license models. Therefore, if any license attributes are shared among the license models, they all must be assigned the same value. See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
policyAttributes	policyAttributesListType	0..1	Only need to specify if modifying values. See policyAttributesListType.
orderId	string	0..1	Only need to specify if modifying value. Order ID from CRM or ERP system.

Content Model

Component	Type	Occurs	Description
orderLineNumber	string	0..1	Only need to specify if modifying value. Order line number from CRM or ERP system.
numberOfCopies	integer	0..1	Only need to specify if modifying value. Number of copies of the product entitled by this line item.
startDate	date	0..1	Only need to specify if modifying value. Start date of the entitlement, which will also be the start date of the license. If the start date is not set on the entitlement line item, it will be set when the first license is activated against the line item. Do not set unless the startDateOption is set to DEFINE_NOW.
startDateOption	StartDateOptionType	0..1	At what point the start date is defined, where this is of the following values: • DEFINE_NOW • DEFINE_AT_FIRST_ACTIVATION • DEFINE_AT_EACH_ACTIVATION • DEFINE_ACTDATE_AT_FIRST_ACTIVATION • DEFINE_ACTDATE_AT_EACH_ACTIVATION
isPermanent	boolean	0..1	Only need to specify if modifying value. Whether the entitlement, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set either **term** or **expirationDate**.
term	DurationType	0..1	Only need to specify if modifying value. The length of time after the start date that the entitlement, and the licenses activated from it, are valid. See DurationType. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set either **term** or **expirationDate**.
expirationDate	date	0..1	Only need to specify if modifying value. The date that the entitlement line item, and the licenses activated from it, expire. If **isPermanent** is true, do not set **term** or **expirationDate**. If **isPermanent** is false, set either **term** or **expirationDate**.
versionDate	date	0..1	Only need to specify if modifying value. If any of the features in the product use date-based versions, and you want to set the version date when the line item is created, set **versionDate** and set **versionDateAttributes** to DEFINE_NOW. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.

Content Model

Component	Type	Occurs	Description
versionDateAttributes	versionDateAttributesType	0..1	Only need to specify if modifying value. If any of the features in the product use date-based versions, set **versionDateAttributes** to reflect when and how you want to specify the version date. See versionDateAttributesType.
parentLineItem	entitlementLineItemIdentifierType	0..1	Only need to specify if modifying value. See entitlementLineItemIdentifierType.
updatedEntitledProducts	updateEntitledProductDataListType	0..1	See updateEntitledProductDataListType.
entitledProducts	entitledProductDataListType	0..1	Deprecated. Use updatedEntitledProducts[] instead. See entitledProductDataListType.
lineItemAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: updateMaintenanceLineItemDataType

Description

The **lineItemIdentifier** always needs to be specified, along with the new values of the elements to be updated.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	entitlementLineItemIdentifierType	1..1	Required. See entitlementLineItemIdentifierType.
activationId	idType	0..1	Only need to specify if modifying value. See idType.
maintenanceProduct	productIdentifierType	0..1	Only need to specify if modifying value. See productIdentifierType.
partNumber	partNumberIdentifierType	0..1	Only need to specify if modifying value. See partNumberIdentifierType.
orderId	string	0..1	Optional. Order ID from CRM or ERP system.
orderLineNumber	string	0..1	Optional. Order line number from CRM or ERP system.
startDate	date	0..1	Only need to specify if modifying value. Start date of the entitlement, which will also be the start date of maintenance.

Content Model

Component	Type	Occurs	Description
expirationDate	date	0..1	Only need to specify if modifying value. The date that the entitlement line item, and maintenance, expire.
isPermanent	boolean	0..1	Only need to specify if modifying value. Whether the entitlement, and therefore, license activated from it, is permanent. If true, the entitlement line item, and the licenses activated from it, never expire. If true, do not set **term** or **expirationDate**. If false, set either **term** or **expirationDate**.
parentLineItem	entitlementLineItemIdentifierType	0..1	Only need to specify if modifying value. The entitlement line item that contains the activatable product to which the maintenance is related. See entitlementLineItemIdentifierType.

Complex Type: updateSimpleEntitlementDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.
entitlementId	idType	0..1	Only need to specify if modifying value. See idType.
description	string	0..1	Optional description of the entitlement.
soldTo	string	0..1	Optional. Only need to specify if modifying the value of the End Customer organization. Organization that has the right to fulfill or distribute activation IDs from this entitlement. Deprecated in favor of the channelPartners element.
shipToEmail	string	0..1	Only need to specify if modifying value.Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Only need to specify if modifying value.Postal address for the sold-to organization.
autoDeploy	boolean	0..1	If set, the entitlement is automatically deployed after the update.
channelPartners	channelPartnerDataListType	0..1	Optional. Only need to specify if modifying value. The organization in the specified tier will be added or replaced. See channelPartnerDataListType.

Content Model

Component	Type	Occurs	Description
allowPortalLogin	boolean	0..1	True if the entitlement ID can be used to log in to the self-service portal; otherwise, false.
entitlementAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: updateSimpleEntitlementRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
simpleEntitlement	updateSimpleEntitlementDataType	1..*	Required. An **updateSimpleEntitlementRequest** contains a simpleEntitlement element. See updateSimpleEntitlementDataType.

Referenced By

Name	Type
updateSimpleEntitlementRequest	Element
updateSimpleEntitlement	Method

Complex Type: updateSimpleEntitlementResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not updated is listed in the failedData element. See failedUpdateSimpleEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateSimpleEntitlementResponse	Element

Complex Type: userIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	User's unique ID.
userName	string	0..1	User's FlexNet Operations login name.
primaryKeys	userPKType	0..1	See userPKType.

Complex Type: userPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	User's first name.
lastName	string	1..1	User's last name.
emailAddress	string	1..1	User's email address.
phoneNumber	string	0..1	User's phone number.

Complex Type: versionDateAttributesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
versionOption	VersionDateOptionType	1..1	See VersionDateOptionType.
duration	DurationType	0..1	Optional. See DurationType.

Complex Type: VersionFormatQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	VersionFormatType	1..1	**VersionFormatType** of FIXED or DATE_BASED.
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Complex Type: virtualLicensePolicyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
isVirtualLicense	boolean	1..1	**True**—Activation permitted on a virtual machine. **False**—Activation prevented on a virtual machine.

Complex Type: webRegKeyCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
totalCount	integer	1..1	The total number of web register keys that have been added to the bulk entitlement
redeemedCount	integer	1..1	The number of **totalCount** that have already been redeemed

Complex Type: webRegKeyDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyData	addWebRegKeyDataType	1..*	**responseData** contains one or more **webRegKeyData** elements. See addWebRegKeyDataType.

Complex Type: webRegKeyDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKey	string	0..*	Optional. Provide web register keys in an array of strings, if **autoGenerate** is set to false.
autoGenerate	boolean	0..1	Optional. Set to false if providing your own web register key values; to true if you want the web register keys to be autogenerated.

Content Model

Component	Type	Occurs	Description
numAutoGenerate	integer	0..1	Optional. Provide the number of web register keys to be autogenerated, if **autoGenerate** is set to true.

Complex Type: webRegKeysDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeys	webRegKeyType	0..1	A **responseData** element contains a **webRegKeys** element that contains an array of **webRegKey** strings.

Complex Type: webRegKeysListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKey	string	0..*	Provide web register keys in an array of strings.

Simple Types: EntitlementOrderService

Simple Types

Name
CreateOrUpdateOperationType
VersionDateOptionType

CREATE_OR_IGNORE

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
CREATE_OR_UPDATE	
CREATE_OR_IGNORE	

Simple Type: VersionDateOptionType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
DEFINE_NOW	
USE_START_DATE	
USE_ACTIVATION_DATE	
DEFINE_VERSION_STARTDATE_LATER	
DEFINE_VERSION_DATE_LATER	

Elements: EntitlementOrderService

Elements

Name	Description
addWebRegKeyRequest	An **addWebRegKeyRequest** message contains an element of addWebRegKeyRequestType.
addWebRegKeyResponse	An **addWebRegKeyResponse** message contains an element of addWebRegKeyResponseType. Each web register key in the **addWebRegKeyRequest** is added as an atomic unit; adding each either succeeds or fails
createBulkEntitlementRequest	A **createBulkEntitlementRequest** message contains an element of createBulkEntitlementRequestType.
createBulkEntitlementResponse	A **createBulkEntitlementResponse** message contains an element of createBulkEntitlementResponseType. Each entitlement in the **createBulkEntitlementRequest** is added as an atomic unit; adding each either succeeds or fails.
createEntitlementLineItemRequest	A **createEntitlementLineItemRequest** message contains an element of addOrReplaceEntitlementLineItemRequestType.
createEntitlementLineItemResponse	A **createEntitlementLineItemResponse** message contains an element of addOrReplaceEntitlementLineItemResponseType. Each line in the **createEntitlementLineItemRequest** is added as an atomic unit; adding each either succeeds or fails.
createSimpleEntitlementRequest	A **createSimpleEntitlementRequest** message contains an element of createSimpleEntitlementRequestType.
createSimpleEntitlementResponse	A **createSimpleEntitlementResponse** message contains an element of createSimpleEntitlementResponseType. Each entitlement in the **createSimpleEntitlementRequest** is added as an atomic unit; adding each either succeeds or fails.
deleteEntitlementRequest	A **deleteEntitlementRequest** message contains an element of deleteEntitlementRequestType.
deleteEntitlementResponse	A **deleteEntitlementResponse** message contains an element of deleteEntitlementResponseType. Each entitlement in the **deleteEntitlementRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about entitlements that were deleted successfully.
deleteMaintenanceLineItemRequest	A **deleteMaintenanceLineItemRequest** message contains an element of deleteMaintenanceLineItemRequestType.
deleteMaintenanceLineItemResponse	A **deleteMaintenanceLineItemResponse** message contains an element of deleteMaintenanceLineItemResponseType. Each maintenace line item in the **deleteMaintenanceLineItemRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about line items that were deleted successfully
deleteWebRegKeyRequest	A **deleteWebRegKeyRequest** message contains an element of deleteWebRegKeyRequestType.
deleteWebRegKeyResponse	An **deleteWebRegKeyResponse** message contains an element of deleteWebRegKeyResponseType. Each web register key in the **deleteWebRegKeyRequest** is deleted as an atomic unit; deleting each either succeeds or fails.
emailActivatableItemRequest	An **emailActivatableItemRequest** message contains an element of emailActivatableItemRequestType.

Elements

Name	Description
emailActivatableItemResponse	An **emailActivatableItemResponse** message contains an element of emailActivatableItemResponseType.
emailEntitlementRequest	An **emailEntitlementRequest** message contains an element of emailEntitlementRequestType.
emailEntitlementResponse	An **emailEntitlementResponse** message contains an element of emailEntitlementResponseType.
getActivatableItemCountRequest	A **getActivatableItemCountRequest** message contains an element of getActivatableItemCountRequestType.
getActivatableItemCountResponse	A **getActivatableItemCountResponse** message contains an element of getActivatableItemCountResponseType.
getBulkEntitlementCountRequest	A **getBulkEntitlementCountRequest** message contains an element of getBulkEntitlementCountRequestType.
getBulkEntitlementCountResponse	A **getBulkEntitlementCountResponse** message contains an element of getEntitlementCountResponseType.
getBulkEntitlementPropertiesRequest	A **getBulkEntitlementPropertiesRequest** message contains an element of getBulkEntitlementPropertiesRequestType.
getBulkEntitlementPropertiesResponse	A **getBulkEntitlementQueryResponse** message contains an element of getBulkEntitlementQueryResponseType. ***Note:*** *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*
getEntitlementAttributesRequest	A **getEntitlementAttributesRequest** message contains an element of getEntitlementAttributesRequestType.
getEntitlementAttributesResponse	A **getEntitlementAttributesResponse** message contains an element of getEntitlementAttributesResponseType.
getEntitlementCountRequest	A **getEntitlementCountRequest** message contains an element of getEntitlementCountRequestType.
getEntitlementCountResponse	A **getEntitlementCountResponse** message contains an element of getEntitlementCountResponseType.
getExactAvailableCountRequest	A **getExactAvailableCountRequest** message contains an element of getExactAvailableCountRequestType.
getExactAvailableCountResponse	A **getExactAvailableCountResponse** message contains an element of getExactAvailableCountResponseType.
getMatchingBulkEntsRequest	A **getMatchingBulkEntsRequest** message contains an element of getMatchingBulkEntsRequestType.
getMatchingBulkEntsResponse	A **getMatchingBulkEntsResponse** message contains an element of getMatchingBulkEntsResponseType.
getMatchingLineItemsRequest	A **getMatchingLineItemsRequest** message contains an element of getMatchingLineItemsRequestType.
getMatchingLineItemsResponse	A **getMatchingLineItemsResponse** message contains an element of getMatchingLineItemsResponseType.
getStateChangeHistoryRequest	A **getStateChangeHistoryRequest** message contains an element of getStateChangeHistoryRequestType.

Elements

Name	Description
getStateChangeHistoryResponse	A **getStateChangeHistoryResponse** message contains an element of getStateChangeHistoryResponseType.
getWebRegKeyCountRequest	A **getWebRegKeyCountRequest** message contains an element of getWebRegKeyCountRequestType.
getWebRegKeyCountResponse	A **getWebRegKeyCountResponse** message contains an element of getWebRegKeyCountResponseType.
getWebRegKeysQueryRequest	A **getWebRegKeysQueryRequest** message contains an element of getWebRegKeysQueryRequestType.
getWebRegKeysQueryResponse	A **getWebRegKeysQueryResponse** message contains an element of getWebRegKeysQueryResponseType.
linkMaintenanceLineItemRequest	A **linkMaintenanceLineItemRequest** message contains an element of linkMaintenanceLineItemRequestType.
linkMaintenanceLineItemResponse	A **linkMaintenanceLineItemResponse** message contains an element of linkMaintenanceLineItemResponseType.
mapEntitlementsToUserRequest	A **mapEntitlementsToUserRequest** message contains an element of mapEntitlementsToUserRequestType.
mapEntitlementsToUserResponse	A **mapEntitlementsToUserResponse** message contains an element of mapEntitlementsToUserResponseType. Each ID in the **mapEntitlementsToUserRequest** is added as an atomic unit; adding each either succeeds or fails.
mergeEntitlementsRequest	A **mergeEntitlementsRequest** message contains an element of mergeEntitlementsRequestType.
mergeEntitlementsResponse	A **mergeEntitlementsResponse** message contains an element of mergeEntitlementsResponseType.
removeEntitlementLineItemRequest	A **removeEntitlementLineItemRequest** message contains an element of removeEntitlementLineItemRequestType.
removeEntitlementLineItemResponse	A **removeEntitlementLineItemResponse** message contains an element of removeEntitlementLineItemResponseType. Each line item in the **removeEntitlementLineItemRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about line items that were deleted successfully.
renewLicenseRequest	A **renewLicenseRequest** message contains an element of renewEntitlementRequestType.
renewLicenseResponse	A **renewLicenseResponse** message contains an element of renewEntitlementResponseType. Each entitlement in the **renewLicenseRequest** is renewed as an atomic unit; renewing each either succeeds or fails.
replaceEntitlementLineItemRequest	A **replaceEntitlementLineItemRequest** message contains an element of addOrReplaceEntitlementLineItemRequestType.
replaceEntitlementLineItemResponse	A **replaceEntitlementLineItemResponse** message contains an element of addOrReplaceEntitlementLineItemResponseType.
searchActivatableItemRequest	A **searchActivatableItemRequest** message contains an element of searchActivatableItemRequestType.

Elements

Name	Description
searchActivatableItemResponse	A **searchActivatableItemResponse** message contains an element of searchActivatableItemResponseType. This operation will not return maintenance line items. ***Note:*** *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*
searchEntitlementLineItemPropertiesRequest	A **searchEntitlementLineItemPropertiesRequest** message contains an element of searchEntitlementLineItemPropertiesRequestType.
searchEntitlementLineItemPropertiesResponse	A **searchEntitlementLineItemPropertiesResponse** message contains an element of searchEntitlementLineItemPropertiesResponseType. A user will see only elements configured in entitlementLineItemResponseConfig. Selecting too many elements for a response can negatively impact performance. Only select the elements required for a given response ***Note:*** *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*
searchEntitlementRequest	A **searchEntitlementRequest** message contains an element of searchEntitlementRequestType.
searchEntitlementResponse	A **searchEntitlementResponse** message contains an element of searchEntitlementResponseType. ***Note:****The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*
setEntitlementStateRequest	A **setEntitlementStateRequest** message contains an element of setEntitlementStateRequestType.
setEntitlementStateResponse	A **setEntitlementStateResponse** message contains an element of setEntitlementStateResponseType.
setLineItemStateRequest	A **setLineItemStateRequest** message contains an element of setLineItemStateRequestType.
setLineItemStateResponse	A **setLineItemStateResponse** message contains an element of setLineItemStateResponseType.
setMaintenanceLineItemStateRequest	A **setMaintenanceLineItemStateRequest** message contains an element of setMaintenanceLineItemStateRequestType.
setMaintenanceLineItemStateResponse	A **setMaintenanceLineItemStateResponse** message contains an element of setMaintenanceLineItemStateResponseType.
splitBulkEntitlementRequest	A **splitBulkEntitlementRequest** message contains an element of splitBulkEntitlementRequestType.
splitBulkEntitlementResponse	A **splitBulkEntitlementResponse** message contains an element of splitBulkEntitlementResponseType.
splitLineItemRequest	A **splitLineItemRequest** message contains an element of splitLineItemRequestType.

Elements

Name	Description
splitLineItemResponse	A **splitLineItemResponse** message contains an element of splitLineItemResponseType.
transferEntitlementsRequest	A **transferEntitlementsRequest** message contains an element of transferEntitlementsRequestType.
transferEntitlementsResponse	A **transferEntitlementsResponse** message contains an element of transferEntitlementsResponseType. Each entitlement in the **transferEntitlementsRequest** is transferred as an atomic unit; transferring each either succeeds or fails.
transferLineItemsRequest	A **transferLineItemsRequest** message contains an element of transferLineItemsRequestType.
transferLineItemsResponse	A **transferLineItemsResponse** message contains an element of transferLineItemsResponseType. Each entitlement line item in the **transferLineItemsRequest** is transferred as an atomic unit; transferring each either succeeds or fails.
unlinkMaintenanceLineItemRequest	An **unlinkMaintenanceLineItemRequest** message contains an element of unlinkMaintenanceLineItemRequestType.
unlinkMaintenanceLineItemResponse	An **unlinkMaintenanceLineItemResponse** message contains an element of unlinkMaintenanceLineItemResponseType.
updateBulkEntitlementRequest	An **updateBulkEntitlementRequest** message contains an element of updateBulkEntitlementRequestType.
updateBulkEntitlementResponse	An **updateBulkEntitlementResponse** message contains an element of updateBulkEntitlementResponseType.
updateEntitlementLineItemRequest	An **updateEntitlementLineItemRequest** message contains an element of updateEntitlementLineItemRequestType.
updateEntitlementLineItemResponse	A **updateEntitlementLineItemResponse** message contains an element of updateEntitlementLineItemResponseType. Each entitlement in the **updateEntitlementLineItemRequest** is updated as an atomic unit; updating each either succeeds or fails.
updateSimpleEntitlementRequest	An **updateSimpleEntitlementRequest** message contains an element of updateSimpleEntitlementRequestType.
updateSimpleEntitlementResponse	A **updateSimpleEntitlementResponse** message contains an element of updateSimpleEntitlementResponseType. Each entitlement in the **updateSimpleEntitlementRequest** is updated as an atomic unit; updating each either succeeds or fails.
upgradeLicenseRequest	An **upgradeLicenseRequest** message contains an element of EntitlementLifeCycleRequestType.
upgradeLicenseResponse	An **upgradeLicenseResponse** message contains an element of EntitlementLifeCycleResponseType. Each entitlement in the **upgradeLicenseRequest** is renewed as an atomic unit; upgrading each either succeeds or fails.
upsellLicenseRequest	An **upsellLicenseRequest** message contains an element of EntitlementLifeCycleRequestType.
upsellLicenseResponse	An **upsellLicenseResponse** message contains an element of EntitlementLifeCycleResponseType. Each entitlement in the **upsellLicenseRequest** is renewed as an atomic unit; upselling each either succeeds or fails.

Element: addWebRegKeyRequest

Description

An **addWebRegKeyRequest** message contains an element of addWebRegKeyRequestType.

Derived By

Type addWebRegKeyRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyData	addWebRegKeyDataType	1..*	Required. An addWebRegKeyRequest contains an array of webRegKeyData elements to be added. See addWebRegKeyDataType.
processSync	boolean	0..1	Optional. Set to true to create web register keys synchronously, that is, the Web services client will be blocked until the request is completely processed. Use synchronous processing only for creating small numbers of web register keys at a time. By default, web register key creation is asynchronous.

Referenced By

Name	Type
createWebRegKey	Method

XML Example

The following XML fragment illustrates an **addWebRegKeyRequest** message:

```
<addWebRegKeyRequest>
  <webRegKeyData>
    <bulkEntitlement>
      <primaryKeys>
        <entitlementId>Ent_bulk_basic</entitlementId>
      </primaryKeys>
    </bulkEntitlement>
    <webRegKeys>
      <webRegKey>WRK-1</webRegKey>
      <webRegKey>WRK-2</webRegKey>
      <webRegKey>WRK-3</webRegKey>
      <webRegKey>WRK-4</webRegKey>
      <webRegKey>WRK-5</webRegKey>
    </webRegKeys>
  </webRegKeyData>
  <processSync>true</processSync>
</addWebRegKeyRequest>
```

Element: addWebRegKeyResponse

Description

An **addWebRegKeyResponse** message contains an element of addWebRegKeyResponseType.

Each web register key in the **addWebRegKeyRequest** is added as an atomic unit; adding each either succeeds or fails

Derived By

Type addWebRegKeyResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	webRegKeyDataListType	0..1	Information about the web register keys that were added is listed in the **responseData** element. See webRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are not autogenerated.
failedData	failedAddWebRegKeyDataListType	0..1	Information about the web register keys that were not added is listed in the **failedData** element. See failedAddWebRegKeyDataListType. Not populated for asynchronous requests or for requests in which the web register keys are autogenerated.

Referenced By

Name	Type
createWebRegKey	Method

XML Example

The following XML fragment illustrates a successful **addWebRegKeyResponse** message:

```
<addWebRegKeyResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</addWebRegKeyResponse>
```

Element: createBulkEntitlementRequest

Description

A **createBulkEntitlementRequest** message contains an element of createBulkEntitlementRequestType.

Derived By

Type createBulkEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	createBulkEntitlementDataType	1..*	Required. A **createBulkEntitlementRequest** contains a **bulkEntitlement** element. See createBulkEntitlementDataType.

Referenced By

Name	Type
createBulkEntitlement	Method

XML Example

The following XML fragment illustrates a **createBulkEntitlementRequest** message:

```
<createBulkEntitlementRequest>
  <bulkEntitlement>
    <entitlementId>
      <id>Ent_bulk_basic</id>
    </entitlementId>
    <soldTo>SENTRY</soldTo>
    <product>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </product>
    <partNumber>
      <primaryKeys>
        <partId>100-001</partId>
      </primaryKeys>
    </partNumber>
    <licenseModel>
      <primaryKeys>
        <name>Nodelocked Uncounted</name>
      </primaryKeys>
    </licenseModel>
    <licenseModelAttributes>
      <attribute>
        <attributeName>SERIAL_NUMBER</attributeName>
        <stringValue>test sno</stringValue>
      </attribute>
      <attribute>
        <attributeName>NOTICE</attributeName>
        <stringValue>test notice</stringValue>
      </attribute>
    </licenseModelAttributes>
    <policyAttributes>
      <repairsPolicy>
        <allowedCount>1</allowedCount>
```

XML Example

```
        <policyTerm>
          <duration>1</duration>
          <durationUnit>MONTHS</durationUnit>
        </policyTerm>
      </repairsPolicy>
      <extraActivationsPolicy>
        <allowedCount>1</allowedCount>
      </extraActivationsPolicy>
      <virtualLicensePolicy>
        <isVirtualLicense>false</isvirtualLicense>
      </virtualLicensePolicy>
    </policyAttributes>
    <shipToEmail>test@example.com</shipToEmail>
    <shipToAddress>San Jose</shipToAddress>
    <isPermanent>false</isPermanent>
    <term>
      <numDuration>90</numDuration>
      <durationUnit>DAYS</durationUnit>
    </term>
    <autoDeploy>true</autoDeploy>
  </bulkEntitlement>
</createBulkEntitlementRequest>
```

Element: createBulkEntitlementResponse

Description

A **createBulkEntitlementResponse** message contains an element of createBulkEntitlementResponseType.

Each entitlement in the **createBulkEntitlementRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createBulkEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedBulkEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were added is listed in the responseData element. See createdBulkEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
createBulkEntitlement	Method

XML Example

The following XML fragment illustrates a successful **createBulkEntitlementResponse** message:

```
<createBulkEntitlementResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdBulkEntitlement>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100289</uniqueId>
      <bulkEntitlementId>Ent_bulk_basic</bulkEntitlementId>
    </createdBulkEntitlement>
  </responseData>
</createBulkEntitlementResponse>
```

Element: createEntitlementLineItemRequest

Description

A **createEntitlementLineItemRequest** message contains an element of addOrReplaceEntitlementLineItemRequestType.

Derived By

Type addOnlyEntitlementLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	addEntitlementLineItemDataType	1..*	See addEntitlementLineItemDataType.
opType	CreateOrUpdateOperationType	0..1	One of the following: • CREATE_OR_UPDATE • CREATE_OR_IGNORE **Note:** If the **opType** is specified as either **CREATE_OR_IGNORE** or **CREATE_OR_UPDATE**, then specifying the entitlement identifier is important. If the entitlement identified by the **entitlementIdentifier** is not found, then the response could be a **FAILURE**. If the **opType** is set to **CREATE_OR_UPDATE** and the line item identifier exists, the system will try to handle the request as an update. Updates to the **associatedLineItems** and **lineItemType** will be ignored.

Referenced By

Name	Type
createEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a **createEntitlementLineItemRequest** message:

```
<createEntitlementLineItemRequest>
  <lineItem>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent-simple-test</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <lineItems>
      <activationId>
        <id>Ent-simple-test-1</id>
      </activationId>
      <product>
        <primaryKeys>
          <name>Basic Paint</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <licenseModel>
        <primaryKeys>
          <name>Nodelocked Uncounted</name>
        </primaryKeys>
      </licenseModel>
      <licenseModelAttributes>
        <attribute>
          <attributeName>NOTICE</attributeName>
          <stringValue>n</stringValue>
        </attribute>
        <attribute>
          <attributeName>SERIAL_NUMBER</attributeName>
          <stringValue>sn</stringValue>
        </attribute>
      </licenseModelAttributes>
      <orderId>100</orderId>
      <orderLineNumber>1</orderLineNumber>
      <numberOfCopies>10</numberOfCopies>
      <isPermanent>true</isPermanent>
    </lineItems>
    <maintenanceLineItems>
      <activationId>
        <id>Ent-simple-test-1M</id>
      </activationId>
      <maintenanceProduct>
        <primaryKeys>
          <name>Paint Maintenance</name>
          <version>1.0</version>
        </primaryKeys>
      </maintenanceProduct>
      <startDate>2008-01-15</startDate>
      <expirationDate>2008-01-15</expirationDate>
      <parentLineItem>
        <primaryKeys>
          <activationId>Ent-simple-test-1</activationId>
        </primaryKeys>
      </parentLineItem>
    </maintenanceLineItems>
    <autoDeploy>true</autoDeploy>
```

XML Example

```
  </lineItem>
</createEntitlementLineItemRequest>
```

Element: createEntitlementLineItemResponse

Description

A **createEntitlementLineItemResponse** message contains an element of addOrReplaceEntitlementLineItemResponseType.

Each line in the **createEntitlementLineItemRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type addOnlyEntitlementLineItemResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed.
• FAILURE—None of the items in the request were processed.

If the opType is CREATE_OR_IGNORE, then, the operation finds out if the line item was present – if present, it ignores the line item and proceeds with the next line item. If the line item was not present, it will create that item. All items that are ignored will be copied to the responseData of the response.

If the opType is CREATE_OR_UPDATE, then the operation updates the line item if present, otherwise creates it.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
failedData	failedAddEntitlementLineItemDataListType	0..1	See failedAddEntitlementLineItemDataListType.
responseData	addedEntitlementLineItemDataListType	0..1	See addedEntitlementLineItemDataListType.

Referenced By

Name	Type
createEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a **createEntitlementLineItemResponse** message:

```
<createEntitlementLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <addedLineItems>
      <entitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent-simple-test</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <lineItemUniqueIds>HID-220111</lineItemUniqueIds>
      <maintenanceLineItemUniqueIds>HID-220112
      </maintenanceLineItemUniqueIds>
    </addedLineItems>
  </responseData>
</createEntitlementLineItemResponse>
```

Element: createSimpleEntitlementRequest

Description

A **createSimpleEntitlementRequest** message contains an element of createSimpleEntitlementRequestType.

Derived By

Type createSimpleEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
simpleEntitlement	createSimpleEntitlementDataType	1..*	Required. A **createSimpleEntitlementRequest** contains an array of **simpleEntitlement** elements to be added. See createSimpleEntitlementDataType.
opType	CreateOrUpdateOperationType	0..1	One of the following: • CREATE_OR_UPDATE • CREATE_OR_IGNORE **Note:** If the **opType** is **CREATE_OR_UPDATE**, then the incoming request is split internally as a **createRequest** (containing all entitlements that need to be created) and an **updateRequest** (containing all entitlements that need to be updated). If there is even a single failure in the **createRequest**, the whole of the **createRequest** fails. If there is a single failure in the **updateRequest**, the whole of the **updateRequest** fails. However if the **createRequest** succeeds and **updateRequest** fails (or vice-versa) , the overall status is **PARTIAL_FAILURE**. The **FAILURE** case arises wherein both **createRequest** and **updateRequest** fail. If the **opType** is set to **CREATE_OR_UPDATE** and the entitlement already exists in the system once the line item create/update portion is finished and then if the update of the entitlement is requested but returns an error, then the entire entitlement request will fail. However, the updates to the line items which have been completed, will not be rolled back.

Referenced By

Name	Type
createSimpleEntitlement	Method

XML Example

The following XML fragment illustrates a **createSimpleEntitlementRequest** message:

```
<createSimpleEntitlementRequest>
  <simpleEntitlement>
    <entitlementId>
      <id>Ent_basic</id>
    </entitlementId>
    <soldTo>ACME</soldTo>
    <shipToEmail>test@example.com</shipToEmail>
    <shipToAddress>San Jose</shipToAddress>
    <lineItems>
      <activationId>
        <id>Ent_basic_1</id>
      </activationId>
      <product>
```

XML Example


```
        <primaryKeys>
          <name>Product_basic</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <licenseModel>
        <primaryKeys>
          <name>FC Ent Policies</name>
        </primaryKeys>
      </licenseModel>
      <licenseModelAttributes>
        <attribute>
          <attributeName>SERIAL_NUMBER</attributeName>
          <stringValue>serial</stringValue>
        </attribute>
        <attribute>
          <attributeName>NOTICE</attributeName>
          <stringValue>notice</stringValue>
        </attribute>
      </licenseModelAttributes>
      <policyAttributes>
        <rehostsPolicy>
          <allowedCount>4</allowedCount>
          <policyTerm>
            <duration>1</duration>
            <durationUnit>DAYS</durationUnit>
          </policyTerm>
        </rehostsPolicy>
        <returnsPolicy>
          <allowedCount>2</allowedCount>
          <policyTerm>
            <duration>1</duration>
            <durationUnit>WEEKS</durationUnit>
          </policyTerm>
        </returnsPolicy>
        <repairsPolicy>
          <allowedCount>2</allowedCount>
          <policyTerm>
            <duration>1</duration>
            <durationUnit>MONTHS</durationUnit>
          </policyTerm>
        </repairsPolicy>
        <extraActivationsPolicy>
          <allowedCount>10</allowedCount>
        </extraActivationsPolicy>
        <virtualLicensePolicy>
          <isVirtualLicense>false</isVirtualLicense>
        </virtualLicensePolicy>
      </policyAttributes>
      <orderId>OR125</orderId>
      <orderLineNumber>1</orderLineNumber>
      <numberOfCopies>10</numberOfCopies>
      <expirationDate>2008-11-30</expirationDate>
    </lineItems>
  </simpleEntitlement>
</createSimpleEntitlementRequest>
```


Element: createSimpleEntitlementResponse

Description

A **createSimpleEntitlementResponse** message contains an element of createSimpleEntitlementResponseType.

Description

Each entitlement in the **createSimpleEntitlementRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type createSimpleEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the items in the request were processed.
When the opType is either CREATE_OR_UPDATE or CREATE_OR_IGNORE, the Entitlement response and the Line Item response together result in the final response.
• Both the Entitlement response and the Line Item response must be a success for the final result to be a success.
• If one is a success and the other is a failure, the final</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>result is a failure.
• If one is a partial failure and one is a failure, the final result is a failure.
Note: A line item request cannot succeed in the absence of an entitlement request.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedSimpleEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were added is listed in the responseData element. See createdSimpleEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
createSimpleEntitlement	Method

XML Example

The following XML fragment illustrates a successful **createSimpleEntitlementResponse** message:

```
<createSimpleEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdSimpleEntitlement>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100270</uniqueId>
      <entitlementId>Ent_basic</entitlementId>
      <lineItemUniqueIds>HID-100288</lineItemUniqueIds>
    </createdSimpleEntitlement>
  </responseData>
</createSimpleEntitlementResponse>
```

Element: deleteEntitlementRequest

Description

A **deleteEntitlementRequest** message contains an element of deleteEntitlementRequestType.

Derived By

Type deleteEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	deleteEntitlementDataType	1..*	Required. A **deleteEntitlementRequest** contains an array of **entitlement** elements to be deleted. See deleteEntitlementDataType.

Referenced By

Name	Type
deleteEntitlement	Method

XML Example

The following XML fragment illustrates a **deleteEntitlementRequest** message:

```
<deleteEntitlementRequest>
  <entitlement>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_basic_a_mod</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
  </entitlement>
</deleteEntitlementRequest>
```

Element: deleteEntitlementResponse

Description

A **deleteEntitlementResponse** message contains an element of deleteEntitlementResponseType.

Each entitlement in the **deleteEntitlementRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about entitlements that were deleted successfully.

Derived By

Type deleteEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteEntitlementDataListType	0..1	Information about the entitlements that were not deleted is listed in the failedData element. See failedDeleteEntitlementDataListType.

Referenced By

Name	Type
deleteEntitlement	Method

XML Example

The following XML fragment illustrates a successful **deleteEntitlementResponse** message:

```
<deleteEntitlementResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
</deleteEntitlementResponse>
```

Element: deleteMaintenanceLineItemRequest

Description

A **deleteMaintenanceLineItemRequest** message contains an element of deleteMaintenanceLineItemRequestType.

Derived By

Type deleteMaintenanceLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItemData	deleteMaintenanceLineItemDataType	1..*	Required. A **deleteMaintenanceLineItemRequest** contains an array of maintenanceLineItemData elements to be deleted. See deleteMaintenanceLineItemDataType.

Referenced By

Name	Type
deleteMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates a **deleteMaintenanceLineItemRequest** message:

```
<deleteMaintenanceLineItemRequest>
  <maintenanceLineItemData>
    <maintenanceLineItemIdentifier>
      <primaryKeys>
        <activationId>Ent-trans-1</activationId>
      </primaryKeys>
    </maintenanceLineItemIdentifier>
  </maintenanceLineItemData>
</deleteMaintenanceLineItemRequest>
```

Element: deleteMaintenanceLineItemResponse

Description

A **deleteMaintenanceLineItemResponse** message contains an element of deleteMaintenanceLineItemResponseType.

Each maintenace line item in the **deleteMaintenanceLineItemRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about line items that were deleted successfully

Derived By

Type deleteMaintenanceLineItemResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteMaintenanceLineItemDataListType</td><td>0..1</td><td>Information about the maintenance line items that were not deleted is listed in the failedData element. See failedDeleteMaintenanceLineItemDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates a successful **deleteMaintenanceLineItemResponse** message:

```
<deleteMaintenanceLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteMaintenanceLineItemResponse>
```

Element: deleteWebRegKeyRequest

Description

A **deleteWebRegKeyRequest** message contains an element of deleteWebRegKeyRequestType.

Derived By

Type deleteWebRegKeyRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
webRegKeyList	webRegKeysListType	1..1	Required. A **deleteWebRegKeyRequest** contains a **webRegKeyList** element to be added. See webRegKeysListType.

Referenced By

Name	Type
deleteWebRegKey	Method

XML Example

The following XML fragment illustrates a **deleteWebRegKeyRequest** message:

```
<deleteWebRegKeyRequest>
  <webRegKeyList>
    <webRegKeys>
      <webRegKey>WRK-1</webRegKey>
      <webRegKey>WRK-2</webRegKey>
```

XML Example

```
        <webRegKey>WRK-3</webRegKey>
        <webRegKey>WRK-4</webRegKey>
        <webRegKey>WRK-5</webRegKey>
      </webRegKeys>
    </webRegKeyList>
  </deleteWebRegKeyRequest>
```

Element: deleteWebRegKeyResponse

Description

An **deleteWebRegKeyResponse** message contains an element of deleteWebRegKeyResponseType.

Each web register key in the **deleteWebRegKeyRequest** is deleted as an atomic unit; deleting each either succeeds or fails.

Derived By

Type deleteWebRegKeyResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteWebRegKeyListType</td><td>0..1</td><td>Information about the web register keys that were not deleted is listed in the failedData element. See failedDeleteWebRegKeyListType.</td></tr>
</table>

Referenced By

Name	Type
deleteWebRegKey	Method

XML Example

The following XML fragment illustrates a successful **deleteWebRegKeyResponse** message:

```
<deleteWebRegKeyResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteWebRegKeyResponse>
```

Element: emailActivatableItemRequest

Description

An **emailActivatableItemRequest** message contains an element of emailActivatableItemRequestType.

Derived By

Type emailActivatableItemRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. An **emailActivatableItemRequest** contains an **activationId** element identifying the activatable item for which to email a certificate.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false. regex: "^[_A-Za-z0-9-\\+\\.\\%]+@" + "([A-Za-z0-9-\\.]+)(\\.[A-Za-z]{1,10})$"
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the entitlement certificate and email templates. If the locale is valid and templates have been configured for that locale, the localized templates will be used to send the email.

Referenced By

Name	Type
emailActivatableItem	Method

XML Example

The following XML fragment illustrates an **emailActivatableItemRequest** message:

```
<emailActivatableItemRequest>
  <activationId>ACT-3467923978</activationId>
  <emailIdList>
    <emailId>test@example.com</emailId>
  </emailIdList>
</emailActivatableItemRequest>
```

Element: emailActivatableItemResponse

Description

An **emailActivatableItemResponse** message contains an element of emailActivatableItemResponseType.

Derived By

Type emailActivatableItemResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.
reason	string	Gives reason for partial failure or failure.

Referenced By

Name	Type
emailActivatableItem	Method

XML Example

The following XML fragment illustrates a successful **emailActivatableItemResponse** message:

```
<emailActivatableItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</emailActivatableItemResponse>
```

Element: emailEntitlementRequest

Description

An **emailEntitlementRequest** message contains an element of emailEntitlementRequestType.

Derived By

Type emailEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	Required. An emailEntitlementRequest contains an entitlementIdentifier element identifying the entitlement certificate to be emailed. See entitlementIdentifierType.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false. regex: "^[_A-Za-z0-9-\\+\\.\\%]+@" +"([A-Za-z0-9-\\.]+)(\\.[A-Za-z]{1,10})$"
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the entitlement certificate and email templates. If the locale is valid and templates have been configured for that locale, the localized templates will be used to send the email.

Referenced By

Name	Type
emailEntitlement	Method

XML Example

The following XML fragment illustrates an **emailEntitlementRequest** message:

```
<emailEntitlementRequest>
  <entitlementIdentifier>
    <primaryKeys>
      <entitlementId>186c-6b21-0c49-7f17-bf7f-f1</entitlementId>
    </primaryKeys>
```

XML Example

```
  </entitlementIdentifier>
  <emailIdList>
    <emailId>test@example.com</emailId>
  </emailIdList>
</emailEntitlementRequest>
```

Element: emailEntitlementResponse

Description

An **emailEntitlementResponse** message contains an element of emailEntitlementResponseType.

Derived By

Type emailEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
emailEntitlement	Method

XML Example

The following XML fragment illustrates a successful **emailEntitlementResponse** message:

```
<emailEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</emailEntitlementResponse>
```

Element: getActivatableItemCountRequest

Description

A **getActivatableItemCountRequest** message contains an element of getActivatableItemCountRequestType.

Derived By

Type getActivatableItemCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType. Leave this element blank to return all activatable line items.
restrictToItemsReadyToActivate	boolean	0..1	Optional. Only use for the **getActivatableItemCount** operation. Restricts the search to only items ready to activate.

Referenced By

Name	Type
getActivatableItemCount	Method

XML Example

The following XML fragment illustrates a **getActivatableItemCountRequest** message:

```
<getActivatableItemCountRequest>
  <queryParams>
    <entitlementId>
      <value>bulk</value>
      <searchType>CONTAINS</searchType>
    </entitlementId>
  </queryParams>
</getActivatableItemCountRequest>
```

Element: getActivatableItemCountResponse

Description

A **getActivatableItemCountResponse** message contains an element of getActivatableItemCountResponseType.

Derived By

Type getActivatableItemCountResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of activatable items that matched the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getActivatableItemCount	Method

XML Example

The following XML fragment illustrates a successful **getActivatableItemCountResponse** message:

```
<getActivatableItemCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
```

XML Example

```
  </statusInfo>
  <count>5</count>
</getActivatableItemCountResponse>
```

Element: getBulkEntitlementCountRequest

Description

A **getBulkEntitlementCountRequest** message contains an element of getBulkEntitlementCountRequestType.

Derived By

Type getBulkEntitlementCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementSearchCriteria	searchBulkEntitlementDataType	1..1	Required. See searchBulkEntitlementDataType. Leave this element blank to return all bulk entitlements.

Referenced By

Name	Type
getBulkEntitlementCount	Method

XML Example

The following XML fragment illustrates a **getBulkEntitlementCountRequest** message:

```
<getBulkEntitlementCountRequest>
  <queryParams>
    <licenseTechnology>
      <value>FLEXnet Licensing</value>
    <searchType>EQUALS</searchType>
    </licenseTechnology>
  </queryParams>
</getBulkEntitlementCountRequest>
```

Element: getBulkEntitlementCountResponse

Description

A **getBulkEntitlementCountResponse** message contains an element of getEntitlementCountResponseType.

Derived By

Type getBulkEntitlementCountResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of bulk entitlements matching the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getBulkEntitlementCount	Method

XML Example

The following XML fragment illustrates a successful **getEntitlementCountResponse** message:

```
<getBulkEntitlementCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <count>31</count>
</getBulkEntitlementCountResponse>
```

Element: getBulkEntitlementPropertiesRequest

Description

A **getBulkEntitlementPropertiesRequest** message contains an element of getBulkEntitlementPropertiesRequestType.

Derived By

Type getBulkEntitlementPropertiesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementSearchCriteria	searchBulkEntitlementDataType	1..1	Required. See searchBulkEntitlementDataType.
bulkEntitlementResponseConfig	bulkEntitlementResponseConfigRequestType	1..1	See bulkEntitlementResponseConfigRequestType.
batchSize	integer	1..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
pageNumber	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getBulkEntitlementPropertiesQuery	Method

XML Example

The following XML fragment illustrates a **getBulkEntitlementPropertiesRequest** message:

```
<getBulkEntitlementPropertiesRequest>
      <bulkEntitlementSearchCriteria>
      </bulkEntitlementSearchCriteria>
      <bulkEntitlementResponseConfig>
                <entitlementId>1</entitlementId>
                <description>1</description>
                <state>1</state>
               <soldTo>1</soldTo>
                <soldToDisplayName>1</soldToDisplayName>
                <shipToEmail>1</shipToEmail>
                <shipToAddress>1</shipToAddress>
                <orderId>1</orderId>
                <orderLineNumber>1</orderLineNumber>
                <product>1</product>
                <productDescription>1</productDescription>
                <partNumber>1</partNumber>
                <partNumberDescription>1</partNumberDescription>
                <licenseModel>1</licenseModel>
                <licenseTechnology>1</licenseTechnology>
                <startDate>1</startDate>
                <startDateOption>1</startDateOption>
               <isPermanent>1</isPermanent>
                <term>1</term>
                <expirationDate>1</expirationDate>
                <versionDate>1</versionDate>
               <versionDateAttributes>1</versionDateAttributes>
                <numberOfCopies>1</numberOfCopies>
                <bulkEntitlementType>1</bulkEntitlementType>
               <createdUserId>1</createdUserId>
               <customAttributes>
          <!--Zero or more repetitions:-->
          <attribute>
            <attributeName>TextAttr</attributeName>
          </attribute>
        </customAttributes>
      </bulkEntitlementResponseConfig>
      <batchSize>10</batchSize>
          <pageNumber>1</pageNumber>
    </getBulkEntitlementPropertiesRequest>
```

Element: getBulkEntitlementPropertiesResponse

Description

A **getBulkEntitlementQueryResponse** message contains an element of getBulkEntitlementQueryResponseType.

Note: *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*

Derived By

Type getBulkEntitlementPropertiesResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>bulkEntitlement</td><td>bulkEntitlementPropertiesType</td><td>0..*</td><td>See bulkEntitlementPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
getBulkEntitlementPropertiesQuery	Method

XML Example

The following XML fragment illustrates a successful **getBulkEntitlementQueryResponse** message:

```
<getBulkEntitlementPropertiesQueryResponse>
    <statusInfo>
      <status>SUCCESS</status>
```

XML Example


```
</statusInfo>
<bulkEntitlement>
  <entitlementId>
    <uniqueId>HID-220046</uniqueId>
    <primaryKeys>
      <entitlementId>RamaTestBulkEnt1</entitlementId>
    </primaryKeys>
  </entitlementId>
  <description/>
  <state>TEST</state>
  <soldTo>
    <uniqueId>HID-20182</uniqueId>
    <primaryKeys>
      <name>ROADR</name>
    </primaryKeys>
  </soldTo>
  <soldToDisplayName>Road Runner Corporation</soldToDisplayName>
  <shipToEmail>jsmith@example.com</shipToEmail>
  <shipToAddress>1 Ranch Dr Milpitas, CA</shipToAddress>
  <orderId>568868</orderId>
  <orderLineNumber>Rama-Test-Linenumber</orderLineNumber>
  <product>
    <uniqueId>HID-20096</uniqueId>
    <primaryKeys>
      <name>Standard Paint</name>
      <version>1.0</version>
    </primaryKeys>
  </product>
  <productDescription>This product contains what consumers need to build graphic designs.</productDescription>
  <licenseModel>
    <uniqueId>HID-501</uniqueId>
    <primaryKeys>
      <name>Floating Counted</name>
    </primaryKeys>
  </licenseModel>
  <licenseTechnology>
    <uniqueId>HID-100</uniqueId>
    <primaryKeys>
      <name>FLEXnet Licensing</name>
    </primaryKeys>
  </licenseTechnology>
  <startDateOption>DEFINE_ACTDATE_AT_FIRST_ACTIVATION</startDateOption>
  <isPermanent>false</isPermanent>
  <expirationDate>2010-09-25</expirationDate>
  <numberOfCopies>10</numberOfCopies>
  <customAttributes>
    <attribute>
      <attributeName>TextAttr</attributeName>
      <stringValue>rama test</stringValue>
    </attribute>
  </customAttributes>
</bulkEntitlement>
<bulkEntitlement>
  <entitlementId>
    <uniqueId>HID-22003</uniqueId>
    <primaryKeys>
      <entitlementId>Test Bulk Entitlement</entitlementId>
    </primaryKeys>
  </entitlementId>
  <description/>
  <state>TEST</state>
  <soldTo>
    <uniqueId>HID-20180</uniqueId>
    <primaryKeys>
      <name>ACME</name>
    </primaryKeys>
  </soldTo>
```

XML Example


```
        <soldToDisplayName>Acme Software Corporation</soldToDisplayName>
        <shipToEmail>jsmith@example.com</shipToEmail>
        <shipToAddress>1234 Main St
San Francisco, CA</shipToAddress>
        <orderId>123</orderId>
        <orderLineNumber>test-line-num</orderLineNumber>
        <product>
          <uniqueId>HID-20090</uniqueId>
          <primaryKeys>
            <name>Scientific Calculator</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <productDescription>In addition to the basic arithmetic operations, this scientific calculator
            contains transcendental functions such as sines, logarithms and powers.</productDescription>
        <partNumber>
          <uniqueId>HID-20121</uniqueId>
          <primaryKeys>
            <partId>800-111-2222-2</partId>
          </primaryKeys>
        </partNumber>
        <licenseModel>
          <uniqueId>HID-504</uniqueId>
          <primaryKeys>
            <name>Nodelocked Uncounted</name>
          </primaryKeys>
        </licenseModel>
        <licenseTechnology>
          <uniqueId>HID-100</uniqueId>
          <primaryKeys>
            <name>FLEXnet Licensing</name>
          </primaryKeys>
        </licenseTechnology>
        <startDateOption>DEFINE_AT_FIRST_ACTIVATION</startDateOption>
        <isPermanent>false</isPermanent>
        <term>
          <numDuration>6</numDuration>
          <durationUnit>DAYS</durationUnit>
        </term>
        <versionDate>2008-09-09</versionDate>
        <versionDateAttributes>
          <versionOption>DEFINE_NOW</versionOption>
        </versionDateAttributes>
        <numberOfCopies>4</numberOfCopies>
        <customAttributes>
          <attribute>
            <attributeName>TextAttr</attributeName>
            <stringValue/>
          </attribute>
        </customAttributes>
      </bulkEntitlement>
    </getBulkEntitlementPropertiesResponse>
```


Element: getEntitlementAttributesRequest

Description

A **getEntitlementAttributesRequest** message contains an element of getEntitlementAttributesRequestType.

Derived By

Type getEntitlementAttributesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	Required. A **getEntitlementAttributesRequest** contains a **licenseModelIdentifier** element identifying the license model whose attributes to return. See licenseModelIdentifierType.

Referenced By

Name	Type
getEntitlementAttributesFromModel	Method

XML Example

The following XML fragment illustrates a **getEntitlementAttributesRequest** message:

```
<getEntitlementAttributesRequest>
  <licenseModelIdentifier>
    <primaryKeys>
      <name>Floating Counted</name>
    </primaryKeys>
  </licenseModelIdentifier>
</getEntitlementAttributesRequest>
```

Element: getEntitlementAttributesResponse

Description

A **getEntitlementAttributesResponse** message contains an element of getEntitlementAttributesResponseType.

Derived By

Type getEntitlementAttributesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlementAttributes</td><td>attributeMetaDescriptorDataType</td><td>0..1</td><td>A list of license model attributes that are set at entitlement time are contained in the entitlementAttributes element. See attributeMetaDescriptorDataType.</td></tr>
<tr><td>policyAttributes</td><td>policyAttributesDataType</td><td>0..1</td><td>A list of policy attributes that are set at entitlement time are contained in the policyAttributes element. See policyAttributesDataType.</td></tr>
<tr><td>needTimeZone</td><td>boolean</td><td>0..1</td><td>True if the license model includes the TZ keyword and allows it to be set at entitlement time; otherwise, false.</td></tr>
</table>

Referenced By

Name	Type
getEntitlementAttributesFromModel	Method

XML Example

The following XML fragment illustrates a successful **getEntitlementAttributesResponse** message that indicates which license model attributes must be provided at entitlement time:

```
<getEntitlementAttributesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <entitlementAttributes>
    <attribute>
      <attributeName>NOTICE</attributeName>
      <attributeDataType>LONGTEXT</attributeDataType>
      <namespace>FlexNet Licensing</namespace>
    </attribute>
    <attribute>
      <attributeName>SERIAL_NUMBER</attributeName>
      <attributeDataType>LONGTEXT</attributeDataType>
      <namespace>FlexNet Licensing</namespace>
    </attribute>
  </entitlementAttributes>
  <policyAttributes>
    <needRehostsPolicy>false</needRehostsPolicy>
    <needReturnsPolicy>false</needReturnsPolicy>
    <needRepairsPolicy>false</needRepairsPolicy>
    <needExtraActivationsPolicy>false</needExtraActivationsPolicy>
    <needCancelLicensePolicy>false</needCancelLicensePolicy>
    <needVirtualLicensePolicy>false</needVirtualLicensePolicy>
    <needReinstallPolicy>false</needReinstallPolicy>
    <needServerHostIdPolicy>false</needServerHostIdPolicy>
    <needNodelockedHostIdPolicy>false</needNodelockedHostIdPolicy>
    <needPortalServerHostIdPolicy>false</needPortalServerHostIdPolicy>
    <needPortalNodelockedHostIdPolicy>false</needPortalNodelockedHostIdPolicy>
    <needRedundantServerPolicy>false</needRedundantServerPolicy>
    <needACPIGenerationIdLicensePolicy>false</needACPIGenerationIdLicensePolicy>
  </policyAttributes>
  <needTimeZone>false</needTimeZone>
</getEntitlementAttributesResponse>
```

Element: getEntitlementCountRequest

Description

A **getEntitlementCountRequest** message contains an element of getEntitlementCountRequestType.

Derived By

Type getEntitlementCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchEntitlementDataType	1..1	Required. See searchEntitlementDataType. Leave this element blank to return all entitlements.

Referenced By

Name	Type
getEntitlementCount	Method

XML Example

The following XML fragment illustrates a **getEntitlementCountRequest** message:

```
<getEntitlementCountRequest>
  <queryParams>
    <licenseTechnology>
      <value>FLEXnet Licensing</value>
    <searchType>EQUALS</searchType>
    </licenseTechnology>
  </queryParams>
</getEntitlementCountRequest>
```

Element: getEntitlementCountResponse

Description

A **getEntitlementCountResponse** message contains an element of getEntitlementCountResponseType.

Derived By

Type getEntitlementCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>Number of entitlements matching the specified criteria.</td></tr>
</table>

Referenced By

Name	Type
getEntitlementCount	Method

XML Example

The following XML fragment illustrates a successful **getEntitlementCountResponse** message:

```
<getEntitlementCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <count>31</count>
</getEntitlementCountResponse>
```

Element: getExactAvailableCountRequest

Description

A **getExactAvailableCountRequest** message contains an element of getExactAvailableCountRequestType.

Derived By

Type getExactAvailableCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	entitlementLineItemIdentifierType	0..1	Required. Identifies the line item for which you want an exact available count. See entitlementLineItemIdentifierType.

Referenced By

Name	Type
getExactAvailableCount	Method

XML Example

The following XML fragment illustrates a **getExactAvailableCountRequest** message:

```
<getExactAvailableCountRequest>
  <activationId>
    <primaryKeys>
      <activationId>se-up2-1UPGRADE</activationId>
    </primaryKeys>
  </activationId>
</getExactAvailableCountRequest>
```

Element: getExactAvailableCountResponse

Description

A **getExactAvailableCountResponse** message contains an element of getExactAvailableCountResponseType.

Derived By

Type getExactAvailableCountResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>count</td><td>integer</td><td>0..1</td><td>The exact available count for the line item requested.</td></tr>
</table>

Referenced By

Name	Type
getExactAvailableCount	Method

XML Example

The following XML fragment illustrates a successful **getExactAvailableCountResponse** message:

```
<getExactAvailableCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
```

XML Example

```
  </statusInfo>
  <count>5</count>
</getExactAvailableCountResponse>
```

Element: getMatchingBulkEntsRequest

Description

A **getMatchingBulkEntsRequest** message contains an element of getMatchingBulkEntsRequestType.

Derived By

Type getMatchingBulkEntsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntList	getMatchingBulkEntsListType	1..1	Required. See getMatchingBulkEntsListType.

Referenced By

Name	Type
getMatchingBulkEnts	Method

XML Example

The following XML fragment illustrates a **getMatchingBulkEntsRequest** message:

```
<getMatchingBulkEntsRequest>
  <bulkEntList>
    <bulkEntInfo>
      <bulkEntIdentifier>
        <ID>HID-20103</ID>
        <primaryKeys>
          <entitlementId>Ent-split-1</entitlementId>
        </primaryKeys>
      </bulkEntIdentifier>
      <targetTierName>bo.constants.partnertiernames.endcustomer</targetTierName>
      <targetOrganizationUnit>
        <primaryKeys>
          <name>ORG2</name>
        </primaryKeys>
      </targetOrganizationUnit>
    </bulkEntInfo>
  </bulkEntList>
</getMatchingBulkEntsRequest>
```

Element: getMatchingBulkEntsResponse

Description

A **getMatchingBulkEntsResponse** message contains an element of getMatchingBulkEntsResponseType.

Derived By

Type getMatchingBulkEntsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getMatchingBulkEntsResponseListType	0..1	Information about bulk entitlements in the target organization that match the bulk entitlement you plan to split is listed in the responseData element. See getMatchingBulkEntsResponseListType.

Content Model

Component	Type	Occurs	Description
failedData	failedMatchingBulkEntsListType	0..1	Information about the bulk entitlement that could not be matched to bulk entitlements in the target organization is in the failedData element. See failedMatchingBulkEntsListType.

Referenced By

Name	Type
getMatchingBulkEnts	Method

XML Example

The following XML fragment illustrates a successful **getMatchingBulkEntsResponse** message:

```
<getMatchingBulkEntsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <matchingBulkEnt>
      <matchingBulkEntIdentifier>
        <uniqueId>HID-101349</uniqueId>
        <primaryKeys>
          <entitlementId>Ent-split-2</entitlementId>
        </primaryKeys>
      </matchingBulkEntIdentifier>
    </matchingBulkEnt>
  </responseData>
</getMatchingBulkEntsResponse>
```

Element: getMatchingLineItemsRequest

Description

A **getMatchingLineItemsRequest** message contains an element of getMatchingLineItemsRequestType.

Derived By

Type getMatchingLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
lineItemList	getMatchingLineItemsListType	1..1	Required. See getMatchingLineItemsListType.

Referenced By

Name	Type
getMatchingLineItems	Method

XML Example

The following XML fragment illustrates a **getMatchingLineItemsRequest** message:

```
<getMatchingLineItemsRequest>
  <lineItemList>
    <lineItemInfo>
      <lineItemIdentifier>
        <uniqueId>HID-20103</uniqueId>
        <primaryKeys>
          <activationId>se-split-1</activationId>
        </primaryKeys>
      </lineItemIdentifier>
      <targetTierName>bo.constants.partnertiernames.endcustomer</targetTierName>
      <targetOrganizationUnit>
        <primaryKeys>
          <name>ORG2</name>
        </primaryKeys>
      </targetOrganizationUnit>
    </lineItemInfo>
  </lineItemList>
</getMatchingLineItemsRequest>
```

Element: getMatchingLineItemsResponse

Description

A **getMatchingLineItemsResponse** message contains an element of getMatchingLineItemsResponseType.

Derived By

Type getMatchingLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getMatchingLineItemsResponseListType</td><td>0..1</td><td>Information about entitlement line items in the target organization that match the line item you plan to split is listed in the responseData element. See getMatchingLineItemsResponseListType.</td></tr>
<tr><td>failedData</td><td>failedMatchingLineItemsListType</td><td>0..1</td><td>Information about the entitlement line item that could not be matched to line items in the target organization is in the failedData element. See Table failedMatchingLineItemsListType.</td></tr>
</table>

Referenced By

Name	Type
getMatchingLineItems	Method

XML Example

The following XML fragment illustrates a successful **getMatchingLineItemsResponse** message:

XML Example

```
<getMatchingLineItemsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <matchingLineItem>
      <matchingLineItemIdentifier>
        <uniqueId>HID-101349</uniqueId>
        <primaryKeys>
          <activationId>se-split-2</activationId>
        </primaryKeys>
      </matchingLineItemIdentifier>
    </matchingLineItem>
  </responseData>
</getMatchingLineItemsResponse>
```

Element: getStateChangeHistoryRequest

Description

A **getStateChangeHistoryRequest** message contains an element of getStateChangeHistoryRequestType.

Derived By

Type getStateChangeHistoryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureList	featureListType	0..1	Optional. See featureListType.
featureBundleList	featureBundleListType	0..1	Optional. See featureBundleListType.
productList	productListType	0..1	Optional. See productListType.
licenseModelList	licenseModelListType	0..1	Optional. See licenseModelListType.
simpleEntitlementList	entitlementListType	0..1	Optional. See entitlementListType.
bulkEntitlementList	entitlementListType	0..1	Optional. See entitlementListType.

Referenced By

Name	Type
getStateChangeHistory	Method

XML Example

The following XML fragment illustrates a **getStateChangeHistoryRequest** message:

XML Example

```
<getStateChangeHistoryRequest>
  <simpleEntitlementList>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent-basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
  </simpleEntitlementList>
</getStateChangeHistoryRequest>
```

Element: getStateChangeHistoryResponse

Description

A **getStateChangeHistoryResponse** message contains an element of getStateChangeHistoryResponseType.

Derived By

Type getStateChangeHistoryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>stateChangeResponseType</td><td>0..1</td><td>See stateChangeResponseType.</td></tr>
</table>

Referenced By

Name	Type
getStateChangeHistory	Method

XML Example

The following XML fragment illustrates a successful **getStateChangeHistoryResponse** message:

```
<getStateChangeHistoryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <simpleEntitlementList>
      <entitlement>
```

XML Example

```
        <entitlementIdentifier>
          <primaryKeys>
            <entitlementId>18ee-9d61-1094-1748-747f-f8</entitlementId>
          </primaryKeys>
        </entitlementIdentifier>
        <stateChangeRecord>
          <eventName>EVENT_CREATED</eventName>
          <eventDate>2008-02-07T03:15:20.157Z</eventDate>
          <userId>admin</userId>
          <description>Created line item 18ee-9d61-1094-1748-747f-f7
                    </description>
        </stateChangeRecord>
        <stateChangeRecord>
          <eventName>EVENT_CREATED</eventName>
          <eventDate>2008-02-07T03:15:20.300Z</eventDate>
          <userId>admin</userId>
          <description>Created line item 18ee-9d61-1094-1748-747f-f6
                     </description>
         </stateChangeRecord>
         <stateChangeRecord>
           <eventName>EVENT_TRANSFERRED</eventName>
           <eventDate>2008-02-07T03:15:20.313Z</eventDate>
           <userId>admin</userId>
           <description>Entitlement created as a result of transfer from
                     entitlement Ent-basic belonging to Acme Software
                     Corporation organization.</description>
        </stateChangeRecord>
      </entitlement>
    </simpleEntitlementList>
  </responseData>
</getStateChangeHistoryResponse>
```

Element: getWebRegKeyCountRequest

Description

A **getWebRegKeyCountRequest** message contains an element of getWebRegKeyCountRequestType.

Derived By

Type getWebRegKeyCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementIdentifier	entitlementIdentifierType	1..1	Required. See entitlementIdentifierType.

Referenced By

Name	Type
getWebRegKeyCount	Method

XML Example

The following XML fragment illustrates a **getWebRegKeyCountRequest** message:

```
<getWebRegKeyCountRequest>
  <bulkEntitlementIdentifier>
    <primaryKeys>
      <entitlementId>Ent_bulk_basic</entitlementId>
    </primaryKeys>
  </bulkEntitlementIdentifier>
</getWebRegKeyCountRequest>
```

Element: getWebRegKeyCountResponse

Description

A **getWebRegKeyCountResponse** message contains an element of getWebRegKeyCountResponseType.

Derived By

Type getWebRegKeyCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
			<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	webRegKeyCountDataType	0..1	See webRegKeyCountDataType.

Referenced By

Name	Type
getWebRegKeyCount	Method

XML Example

The following XML fragment illustrates a successful **getWebRegKeyCountResponse** message:

```
<getWebRegKeyCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <totalCount>5</totalCount>
    <redeemedCount>0</redeemedCount>
  </responseData>
</getWebRegKeyCountResponse>
```

Element: getWebRegKeysQueryRequest

Description

A **getWebRegKeysQueryRequest** message contains an element of getWebRegKeysQueryRequestType.

Derived By

Type getWebRegKeysQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementIdentifier	entitlementIdentifierType	1..1	Required. Entitlement of the bulk entitlement into which the web register keys are loaded. Required. See entitlementIdentifierType.
batchSize	integer	1..1	Required. Starts at 1. Say the getWebRegKeyCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
pageNumber	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getWebRegKeysQuery	Method

XML Example

The following XML fragment illustrates a **getWebRegKeysQueryRequest** message:

```
<getWebRegKeysQueryRequest>
  <bulkEntitlementIdentifier>
    <primaryKeys>
      <entitlementId>Ent_bulk_basic</entitlementId>
    </primaryKeys>
  </bulkEntitlementIdentifier>
  <batchSize>50</batchSize>
  <pageNumber>1</pageNumber>
</getWebRegKeysQueryRequest>
```

Element: getWebRegKeysQueryResponse

Description

A **getWebRegKeysQueryResponse** message contains an element of getWebRegKeysQueryResponseType.

Derived By

Type getWebRegKeysQueryResponseType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—If the request was synchronous, all of the web register keys in the request were processed successfully. If the request was asynchronous, SUCCESS means that the import request of web register keys was scheduled; this does not necessarily mean that the request was processed successfully.
PARTIAL_FAILURE—Some, but not all web register keys in the synchronous request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—If the request was synchronous, none of the web register keys in the request were processed successfully. If the request was</td></tr>
</table>
</td></tr>
</table>

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td></td><td></td><td></td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td></td><td></td><td>asynchronous, FAILURE means that the import request of web register keys was not scheduled.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>webRegKeysDataListType</td><td>0..1</td><td>See webRegKeysDataListType.</td></tr>
</table>

Referenced By

Name	Type
getWebRegKeysQuery	Method

XML Example

The following XML fragment illustrates a successful **getWebRegKeysQueryResponse** message:

```
<getWebRegKeysQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <webRegKeys>
      <webRegKey>WRK-1</webRegKey>
      <webRegKey>WRK-2</webRegKey>
      <webRegKey>WRK-3</webRegKey>
      <webRegKey>WRK-4</webRegKey>
      <webRegKey>WRK-5</webRegKey>
    </webRegKeys>
  </responseData>
</getWebRegKeysQueryResponse>
```

Element: linkMaintenanceLineItemRequest

Description

A **linkMaintenanceLineItemRequest** message contains an element of linkMaintenanceLineItemRequestType.

Derived By

Type linkMaintenanceLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
linkMaintenanceLineItemList	linkMaintenanceLineItemListType	1..1	See linkMaintenanceLineItemListType.

Referenced By

Name	Type
linkMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates a **linkMaintenanceLineItemRequest** message:

```
<linkMaintenanceLineItemRequest>
    <linkMaintenanceLineItemList>
      <!--1 or more repetitions:-->
      <linkMaintenanceLineItem>
        <lineItemIdentifier>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <primaryKeys>
            <activationId>?</activationId>
          </primaryKeys>
        </lineItemIdentifier>
        <maintenanceLineItemIdentifier>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <primaryKeys>
            <activationId>?</activationId>
          </primaryKeys>
        </maintenanceLineItemIdentifier>
      </linkMaintenanceLineItem>
    </linkMaintenanceLineItemList>
  </linkMaintenanceLineItemRequest>
```

Element: linkMaintenanceLineItemResponse

Description

A **linkMaintenanceLineItemResponse** message contains an element of linkMaintenanceLineItemResponseType.

Derived By

Type linkMaintenanceLineItemResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—All items in the request were processed.
• PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
• FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLinkMaintenanceLineItemListType</td><td>0..1</td><td>See failedLinkMaintenanceLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
linkMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates a **linkMaintenanceLineItemResponse** message:

Sample Successful Response Data:

```
<linkMaintenanceLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</linkMaintenanceLineItemResponse>
```

Sample Failed Response Data:

```
<linkMaintenanceLineItemResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed. …</reason>
  </statusInfo>
  <failedData>
    <failedLinkMaintenanceLineItem>
      <linkMaintenanceLineItem>
        <lineItemIdentifier>
          <primaryKeys>
            <activationId>ent-maint-1P</activationId>
          </primaryKeys>
        </lineItemIdentifier>
        <maintenanceLineItemIdentifier>
          <primaryKeys>
            <activationId>ent-maint-1</activationId>
          </primaryKeys>
        </maintenanceLineItemIdentifier>
      </linkMaintenanceLineItem>
      <reason>9999:Cannot find the specified maintenance line item</reason>
    </failedLinkMaintenanceLineItem>
  </failedData>
</linkMaintenanceLineItemResponse>
```

Element: mapEntitlementsToUserRequest

Description

A **mapEntitlementsToUserRequest** message contains an element of mapEntitlementsToUserRequestType.

Derived By

Type mapEntitlementsToUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. The user ID of a self-registered Portal user.
idList	idListType	1..1	Required. See idListType.

Content Model

Component	Type	Occurs	Description
userOrg	string	0..1	Optional. User's organization.

Referenced By

Name	Type
mapEntitlementsToUser	Method

XML Example

The following XML fragment illustrates a **mapEntitlementsToUserRequest** message:

```
<mapEntitlementsToUserRequest>
  <userId>wilyuser</userId>
  <idList>
    <id>18ee-9d61-10a8-c94e-fc7f-fb</id>
  </idList>
</mapEntitlementsToUserRequest>
```

Element: mapEntitlementsToUserResponse

Description

A **mapEntitlementsToUserResponse** message contains an element of mapEntitlementsToUserResponseType.

Each ID in the **mapEntitlementsToUserRequest** is added as an atomic unit; adding each either succeeds or fails.

Derived By

Type mapEntitlementsToUserResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedMapEntitlementsToUserDataListType</td><td>0..1</td><td>Information about the IDs that were not mapped to the user is listed in the failedData element. See failedMapEntitlementsToUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
mapEntitlementsToUser	Method

XML Example

The following XML fragment illustrates a successful **mapEntitlementsToUserResponse** message:

```
<mapEntitlementsToUserResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</mapEntitlementsToUserResponse>
```

Element: mergeEntitlementsRequest

Description

A **mergeEntitlementsRequest** message contains an element of mergeEntitlementsRequestType.

Derived By

Type mergeEntitlementsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organizationFrom	string	1..1	Required. Organization identifier of the organization that currently owns the assets to be merged to another organization.
organizationTo	string	1..1	Required. Organization identifier of the organization to which the assets are merged.
mergeUsers	boolean	0..1	Optional. Whether to merge the users of the organization specified as organizationFrom to the organization specified as organizationTo. If a value is not specified, users are merged.
mergeEntitlements	boolean	0..1	Optional. Whether to merge the entitlements and fulfillments of the organization specified as organizationFrom to the organization specified as organizationTo. If a value is not specified, entitlements and fulfillments are merged.

Referenced By

Name	Type
mergeEntitlements	Method

XML Example

The following XML fragment illustrates a **mergeEntitlementsRequest** message:

```
<mergeEntitlementsRequest>
  <organizationFrom>Bravo</organizationFrom>
  <organizationTo>Alpha</organizationTo>
  <mergeUsers>true</mergeUsers>
  <mergeEntitlements>true</mergeEntitlements>
</mergeEntitlementsRequest>
```

Element: mergeEntitlementsResponse

Description

A **mergeEntitlementsResponse** message contains an element of mergeEntitlementsResponseType.

Derived By

Type mergeEntitlementsResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
mergeEntitlements	Method

XML Example

The following XML fragment illustrates a successful **mergeEntitlementsResponse** message:

```
<mergeEntitlementsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</mergeEntitlementsResponse>
```

Element: removeEntitlementLineItemRequest

Description

A **removeEntitlementLineItemRequest** message contains an element of removeEntitlementLineItemRequestType.

Derived By

Type removeEntitlementLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemData	removeEntitlementLineItemDataType	1..*	Required. A **removeEntitlementLineItemRequest** contains an array of **lineItemData** elements to be deleted. See removeEntitlementLineItemDataType.

Referenced By

Name	Type
deleteEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a **removeEntitlementLineItemRequest** message:

```
<removeEntitlementLineItemRequest>
  <lineItemData>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent-receive</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <lineItemIdentifier>
      <primaryKeys>
        <activationId>Ent-trans-1</activationId>
      </primaryKeys>
    </lineItemIdentifier>
  </lineItemData>
</removeEntitlementLineItemRequest>
```

Element: removeEntitlementLineItemResponse

Description

A **removeEntitlementLineItemResponse** message contains an element of removeEntitlementLineItemResponseType.

Each line item in the **removeEntitlementLineItemRequest** is deleted as an atomic unit; deleting each either succeeds or fails. No specific information is returned about line items that were deleted successfully.

Derived By

Type removeEntitlementLineItemResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
failedData	failedRemoveEntitlementLineItemDataListType	0..1	Information about the entitlements that were not deleted is listed in the **failedData** element. See failedRemoveEntitlementLineItemDataListType.

Referenced By

Name	Type
deleteEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a successful **removeEntitlementLineItemResponse** message:

```
<removeEntitlementLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</removeEntitlementLineItemResponse>
```

Element: renewLicenseRequest

Description

A **renewLicenseRequest** message contains an element of renewEntitlementRequestType.

Derived By

Type renewEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	renewEntitlementDataType	0..*	Required. A renewEntitlementRequest contains an array of entitlementData elements. See renewEntitlementDataType.

Referenced By

Name	Type
renewLicense	Method

XML Example

The following XML fragment illustrates a **renewLicenseRequest** message:

```
<renewLicenseRequest>
  <entitlementData>
    <parentEntitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent-renew</entitlementId>
      </primaryKeys>
    </parentEntitlementIdentifier>
    <renewLineItemData>
      <parentLineItemIdentifier>
        <primaryKeys>
          <activationId>Ent-renew-1</activationId>
        </primaryKeys>
      </parentLineItemIdentifier>
      <renewParameters>
        <activationId>
          <id>Ent-renew-1RENEW</id>
          <autoGenerate>false</autoGenerate>
        </activationId>
        <isPermanent>true</isPermanent>
      </renewParameters>
      <isFull>true</isFull>
      <allowActivationsOnParent>true</allowActivationsOnParent>
      <autoDeploy>true</autoDeploy>
    </renewLineItemData>
  </entitlementData>
</renewLicenseRequest>
```

Element: renewLicenseResponse

Description

A **renewLicenseResponse** message contains an element of renewEntitlementResponseType.

Each entitlement in the **renewLicenseRequest** is renewed as an atomic unit; renewing each either succeeds or fails.

Derived By

Type renewEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRenewEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not renewed is listed in the failedData element. See failedRenewEntitlementDataListType.</td></tr>
<tr><td>responseData</td><td>createdRenewEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were renewed is listed in the responseData element. See createdRenewEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
renewLicense	Method

XML Example

The following XML fragment illustrates a successful **renewLicenseResponse** message:

```
<renewLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <entitlementData>
      <entitlementRecordRefNo>01</entitlementRecordRefNo>
      <parentEntitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent-renew</entitlementId>
        </primaryKeys>
      </parentEntitlementIdentifier>
      <renewedLineItem>
        <lineItemRecordRefNo>01</lineItemRecordRefNo>
        <parentLineItemIdentifier>
          <primaryKeys>
            <activationId>Ent-renew-1</activationId>
          </primaryKeys>
        </parentLineItemIdentifier>
        <newLineItem>
          <uniqueId>HID-220132</uniqueId>
          <activationId>Ent-renew-1RENEW</activationId>
        </newLineItem>
      </renewedLineItem>
    </entitlementData>
  </responseData>
</renewLicenseResponse>
```

Element: replaceEntitlementLineItemRequest

Description

A **replaceEntitlementLineItemRequest** message contains an element of addOrReplaceEntitlementLineItemRequestType.

Derived By

Type replaceOnlyEntitlementLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	addEntitlementLineItemDataType	1..*	See addEntitlementLineItemDataType.

Referenced By

Name	Type
replaceEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a **replaceEntitlementLineItemRequest** message:

XML Example

```
<replaceEntitlementLineItemRequest>
  <lineItem>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <lineItems>
      <activationId>
        <id>Ent-replace-3</id>
      </activationId>
      <product>
        <primaryKeys>
          <name>Basic Paint</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <licenseModel>
        <primaryKeys>
          <name>Nodelocked Uncounted</name>
        </primaryKeys>
      </licenseModel>
      <licenseModelAttributes>
        <attribute>
          <attributeName>NOTICE</attributeName>
          <stringValue>n</stringValue>
        </attribute>
        <attribute>
          <attributeName>SERIAL_NUMBER</attributeName>
          <stringValue>sn</stringValue>
        </attribute>
      </licenseModelAttributes>
      <numberOfCopies>10</numberOfCopies>
      <isPermanent>true</isPermanent>
    </lineItems>
    <maintenanceLineItems>
      <activationId>
        <id>Ent-replace-3M</id>
      </activationId>
      <maintenanceProduct>
        <primaryKeys>
          <name>Paint Maintenance</name>
          <version>1.0</version>
        </primaryKeys>
      </maintenanceProduct>
      <startDate>2008-01-15</startDate>
      <expirationDate>2008-01-15</expirationDate>
      <parentLineItem>
        <primaryKeys>
          <activationId>Ent-replace-3</activationId>
        </primaryKeys>
      /parentLineItem>
    </maintenanceLineItems>
  </lineItem>
</replaceEntitlementLineItemRequest>
```

Element: replaceEntitlementLineItemResponse

Description

A **replaceEntitlementLineItemResponse** message contains an element of addOrReplaceEntitlementLineItemResponseType.

Derived By

Type replaceOnlyEntitlementLineItemResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedAddEntitlementLineItemDataListType</td><td>0..1</td><td>See failedAddEntitlementLineItemDataListType.</td></tr>
<tr><td>responseData</td><td>addedEntitlementLineItemDataListType</td><td>0..1</td><td>See addedEntitlementLineItemDataListType.</td></tr>
</table>

Referenced By

Name	Type
replaceEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a successful **replaceEntitlementLineItemResponse** message:

```
<replaceEntitlementLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <addedLineItems>
      <entitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent_basic</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <lineItemUniqueIds>HID-220113</lineItemUniqueIds>
      <maintenanceLineItemUniqueIds>HID-220114
            </maintenanceLineItemUniqueIds>
    </addedLineItems>
  </responseData>
</replaceEntitlementLineItemResponse>
```

Element: searchActivatableItemRequest

Description

A **searchActivatableItemRequest** message contains an element of searchActivatableItemRequestType.

Derived By

Type searchActivatableItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activatableItemSearchCriteria	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Defaults to 1. Say the getActivatableItemCount operation using the same query parameters returns 100 records.If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
getActivatableItemsQuery	Method

XML Example

The following XML fragment illustrates a **searchActivatableItemRequest** message:

```
<searchActivatableItemRequest>
  <activatableItemSearchCriteria>
    <entitlementId>
      <value>z</value>
      <searchType>CONTAINS</searchType>
    </entitlementId>
  </activatableItemSearchCriteria>
  <batchSize>50</batchSize>
  <pageNumber>1</pageNumber>
</searchActivatableItemRequest>
```

Element: searchActivatableItemResponse

Description

A **searchActivatableItemResponse** message contains an element of searchActivatableItemResponseType.

This operation will not return maintenance line items.

Note: *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*

Derived By

Type searchActivatableItemResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>activatableItem</td><td>activatableItemDetailType</td><td>0..*</td><td>See activatableItemDetailType.</td></tr>
</table>

Referenced By

Name	Type
getActivatableItemsQuery	Method

XML Example

The following XML fragment illustrates part of a successful **searchActivatableItemResponse** message:

```
<searchActivatableItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <activatableItem>
    <activatableItemType>LINEITEM</activatableItemType>
    <entitlementId>Ent_basic_z</entitlementId>
```

XML Example


```
    <soldTo>ACME</soldTo>
    <shipToEmail>test@example.com</shipToEmail>
    <shipToAddress>San Jose</shipToAddress>
    <entitlementState>DEPLOYED</entitlementState>
    <activatableItemData>
      <activationId>
        <id>Ent_basic_z_1</id>
      </activationId>
      <product>
        <uniqueId>HID-20103</uniqueId>
        <primaryKeys>
          <name>Product_basic</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <licenseModel>
        <uniqueId>HID-21005</uniqueId>
        <primaryKeys>
          <name>FC Ent Policies</name>
        </primaryKeys>
      </licenseModel>
      <licenseModelAttributes>
        <attribute>
          <attributeName>NOTICE</attributeName>
          <stringValue>notice</stringValue>
        </attribute>
        <attribute>
          <attributeName>SERIAL_NUMBER</attributeName>
          <stringValue>serial</stringValue>
        </attribute>
      </licenseModelAttributes>
      <policyAttributes>
        <cancelLicensePolicy>
          <isCancelLicense>false</isCancelLicense>
        </cancelLicensePolicy>
        <virtualLicensePolicy>
          <isVirtualLicense>true</isVirtualLicense>
        </virtualLicensePolicy>
      </policyAttributes>
      <orderId>OR125</orderId>
      <orderLineNumber>1</orderLineNumber>
      <numberOfCopies>10</numberOfCopies>
      <isPermanent>false</isPermanent>
      <expirationDate>2008-11-30</expirationDate>
      <versionDateAttributes>
        <versionOption>DEFINE_NOW</versionOption>
      </versionDateAttributes>
      <numberOfRemainingCopies>10</numberOfRemainingCopies>
      <isTrustedType>false</isTrustedType>
      <state>DEPLOYED</state>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <createdOnDateTime>2011-08-24T20:46:44.212Z</createdOnDateTime>
      <lastModifiedDateTime>2011-08-24T20:50:17.312Z</lastModifiedDateTime>
    </activatableItemData>
  </activatableItem>
</searchActivatableItemResponse>
```


Element: searchEntitlementLineItemPropertiesRequest

Description

A **searchEntitlementLineItemPropertiesRequest** message contains an element of searchEntitlementLineItemPropertiesRequestType.

Derived By

Type searchEntitlementLineItemPropertiesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	searchActivatableItemDataType	1..1	Required. See searchActivatableItemDataType. Leave this element blank to return all activatable line items.
entitlementLineItemResponseConfig	entitlementLineItemResponseConfigRequestType	1..1	See entitlementLineItemResponseConfigRequestType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
getEntitlementLineItemPropertiesQuery	Method

XML Example

The following XML fragment illustrates a **searchEntitlementLineItemPropertiesRequest** message:

```
<searchEntitlementLineItemPropertiesRequest>
    <EntitlementLineItemSearchCriteria>
    </EntitlementLineItemSearchCriteria>
    <EntitlementLineItemResponseConfig>
      <Id>1</Id>
      <activationId>1</activationId>
      <description>1</description>
      <state>1</state>
      <EntitlementLineItemType>1</EntitlementLineItemType>
      <orderId>1</orderId>
      <orderLineNumber>1</orderLineNumber>
      <entitlementId>1</entitlementId>
      <soldTo>1</soldTo>
      <entitlementState>1</entitlementState>
      <entitlementDescription>1</entitlementDescription>
      <shipToEmail>1</shipToEmail>
      <shipToAddress>1</shipToAddress>
      <parentBulkEntitlementId>1</parentBulkEntitlementId>
```

XML Example

```
      <bulkEntSoldTo>1</bulkEntSoldTo>
      <product>1</product>
      <productDescription>1</productDescription>
      <partNumber>1</partNumber>
      <partNumberDescription>1</partNumberDescription>
      <licenseTechnology>1</licenseTechnology>
      <licenseModel>1</licenseModel>
      <lineItemSupportAction>1</lineItemSupportAction>
      <parentLineItem>1</parentLineItem>
      <startDate>1</startDate>
      <startDateOption>1</startDateOption>
      <isPermanent>1</isPermanent>
      <term>1</term>
      <expirationDate>1</expirationDate>
      <versionDate>1</versionDate>
      <versionDateAttributes>1</versionDateAttributes>
      <numberOfCopies>1</numberOfCopies>
      <fulfilledAmount>1</fulfilledAmount>
      <numberOfRemainingCopies>1</numberOfRemainingCopies>
      <isTrusted>1</isTrusted>
      <customAttributes>
        <attribute>
          <attributeName>NumberAttr</attributeName>
        </attribute>
        <attribute>
          <attributeName>TextAttr</attributeName>
        </attribute>
        <attribute>
          <attributeName>BooleanAttr</attributeName>
        </attribute>
        <attribute>
          <attributeName>DateAttr</attributeName>
        </attribute>
      </customAttributes>
    </EntitlementLineItemResponseConfig>
    <batchSize>20</batchSize>
    <pageNumber>1</pageNumber>
  </searchEntitlementLineItemPropertiesRequest>
```

Element: searchEntitlementLineItemPropertiesResponse

Description

A **searchEntitlementLineItemPropertiesResponse** message contains an element of searchEntitlementLineItemPropertiesResponseType.

A user will see only elements configured in entitlementLineItemResponseConfig. Selecting too many elements for a response can negatively impact performance. Only select the elements required for a given response

Note: *The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*

Derived By

Type searchEntitlementLineItemPropertiesResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>entitlementLineItem</td><td>entitlementLineItemPropertiesType</td><td>0..*</td><td>See entitlementLineItemPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
getEntitlementLineItemPropertiesQuery	Method

XML Example

The following XML fragment illustrates a successful **searchEntitlementLineItemPropertiesResponse** message:

```
<searchEntitlementLineItemPropertiesResponse xmlns="urn:com.macrovision:flexnet/operations">
    <statusInfo>
      <status>SUCCESS</status>
```

XML Example


```
    </statusInfo>
    <EntitlementLineItem>
      <Id>220076</Id>
      <activationId>TestEnt-li</activationId>
      <description/>
      <state>TEST</state>
      <EntitlementLineItemType>LINEITEM</EntitlementLineItemType>
      <orderLineNumber/>
      <entitlementId>TestEnt</entitlementId>
      <entitlementState>TEST</entitlementState>
      <entitlementDescription/>
      <shipToEmail/>
      <shipToAddress/>
      <product>
        <uniqueId>HID-20093</uniqueId>
        <primaryKeys>
          <name>Basic Paint</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <productDescription>This product contains what consumers need to get started in graphic design.</productDescription>
      <partNumber>
        <uniqueId>HID-20124</uniqueId>
        <primaryKeys>
          <partId>900-111-2222-2</partId>
        </primaryKeys>
      </partNumber>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FLEXnet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <licenseModel>
        <uniqueId>HID-501</uniqueId>
        <primaryKeys>
          <name>Floating Counted</name>
        </primaryKeys>
      </licenseModel>
      <startDateOption>DEFINE_AT_FIRST_ACTIVATION</startDateOption>
      <isPermanent>true</isPermanent>
      <numberOfCopies>100</numberOfCopies>
      <fulfilledAmount>0</fulfilledAmount>
      <numberOfRemainingCopies>100</numberOfRemainingCopies>
      <isTrusted>false</isTrusted>
      <customAttributes>
        <attribute>
          <attributeName>TextAttr</attributeName>
          <stringValue/>
        </attribute>
        <attribute>
          <attributeName>NumberAttr</attributeName>
          <integerValue>569</integerValue>
        </attribute>
        <attribute>
          <attributeName>BooleanAttr</attributeName>
        </attribute>
        <attribute>
          <attributeName>DateAttr</attributeName>
          <dateValue>2008-09-21</dateValue>
        </attribute>
      </customAttributes>
    </EntitlementLineItem>
  </searchEntitlementLineItemPropertiesResponse>
```

Element: searchEntitlementRequest

Description

A **searchEntitlementRequest** message contains an element of searchEntitlementRequestType.

Derived By

Type searchEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementSearchCriteria	searchEntitlementDataType	1..1	Required. See searchEntitlementDataType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Defaults to 1. Say the getEntitlementCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
getEntitlementsQuery	Method

XML Example

The following XML fragment illustrates a **searchEntitlementRequest** message:

```
<searchEntitlementRequest>
  <entitlementSearchCriteria>
    <entitlementId>
      <value>z</value>
      <searchType>CONTAINS</searchType>
    </entitlementId>
    <isBulk>false</isBulk>
  </entitlementSearchCriteria>
  <batchSize>50</batchSize>
  <pageNumber>1</pageNumber>
</searchEntitlementRequest>
```

Element: searchEntitlementResponse

Description

A **searchEntitlementResponse** message contains an element of searchEntitlementResponseType.

Description

Note:*The soldTo element is supported for backwards compatibility in the response to this operation, and now the channelPartners element is also supported. Note, however, that the query parameters of the operation do not support the channelPartners element. soldTo or parentBulkEntSoldTo should still be used to specify an organization in the query request or response.*

Derived By

Type searchEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
entitlement	entitlementDataType	0..*	See entitlementDataType.

Referenced By

Name	Type
getEntitlementsQuery	Method

XML Example

The following XML fragment illustrates a successful **searchEntitlementResponse** message:


```
<searchEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <entitlement>
    <simpleEntitlement>
      <entitlementId>
        <id>Ent_basic_z</id>
      </entitlementId>
      <soldTo>ACME</soldTo>
      <shipToEmail>test@example.com</shipToEmail>
      <shipToAddress>San Jose</shipToAddress>
      <state>DEPLOYED</state>
      <createdUserId>admin</createdUserId>
      <lineItems>
        <activationId>
          <id>Ent_basic_z_1</id>
        </activationId>
        <product>
          <uniqueId>HID-20103</uniqueId>
          <primaryKeys>
            <name>Product_basic</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <licenseModel>
          <uniqueId>HID-21005</uniqueId>
          <primaryKeys>
            <name>FC Ent Policies</name>
          </primaryKeys>
        </licenseModel>
        <licenseModelAttributes>
          <attribute>
            <attributeName>NOTICE</attributeName>
            <stringValue>notice</stringValue>
          </attribute>
          <attribute>
            <attributeName>SERIAL_NUMBER</attributeName>
            <stringValue>serial</stringValue>
          </attribute>
        </licenseModelAttributes>
        <orderId>OR125</orderId>
        <orderLineNumber>1</orderLineNumber>
        <numberOfCopies>10</numberOfCopies>
        <isPermanent>false</isPermanent>
        <expirationDate>2008-11-30</expirationDate>
        <versionDateAttributes>
          <versionOption>DEFINE_NOW</versionOption>
        </versionDateAttributes>
        <numberOfRemainingCopies>10</numberOfRemainingCopies>
        <isTrustedType>false</isTrustedType>
        <state>DEPLOYED</state>
        <licenseTechnology>
          <uniqueId>HID-100</uniqueId>
          <primaryKeys>
            <name>FLEXnet Licensing</name>
```

XML Example

```
            </primaryKeys>
          </licenseTechnology>
        </lineItems>
      </simpleEntitlement>
    </entitlement>
  </searchEntitlementResponse>
```

Element: setEntitlementStateRequest

Description

A **setEntitlementStateRequest** message contains an element of setEntitlementStateRequestType.

Derived By

Type setEntitlementStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlement	entitlementStateDataType	1..*	Required. A setEntitlementState request contains an array of entitlement elements for which to change the state. See entitlementStateDataType.

Referenced By

Name	Type
setEntitlementState	Method

XML Example

The following XML fragment illustrates a **setEntitlementStateRequest** message:

```
<setEntitlementStateRequest>
  <entitlement>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_bulk_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <stateToSet>DEPLOYED</stateToSet>
  </entitlement>
</setEntitlementStateRequest>
```

Element: setEntitlementStateResponse

Description

A **setEntitlementStateResponse** message contains an element of setEntitlementStateResponseType.

Derived By

Type setEntitlementStateResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedEntitlementStateDataListType</td><td>0..1</td><td>Information about the entitlements whose state was not set is listed in the failedData element. See failedEntitlementStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setEntitlementState	Method

XML Example

The following XML fragment illustrates a successful **setEntitlementStateResponse** message:

```
<setEntitlementStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setEntitlementStateResponse>
```

Element: setLineItemStateRequest

Description

A **setLineItemStateRequest** message contains an element of setLineItemStateRequestType.

Derived By

Type setLineItemStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	lineItemStateDataType	1..*	Required. A **setLineItemState** request contains an array of **lineItem** elements for which to change the state. See lineItemStateDataType.

Referenced By

Name	Type
setLineItemState	Method

XML Example

The following XML fragment illustrates a **setLineItemStateRequest** message:

```
<setLineItemStateRequest>
  <lineItem>
    <lineItemIdentifier>
      <primaryKeys>
        <activationId>Ent_basic_b_1</activationId>
```

XML Example

```
        </primaryKeys>
      </lineItemIdentifier>
      <stateToSet>DRAFT</stateToSet>
      <includeChildItems>false</includeChildItems>
    </lineItem>
  </setLineItemStateRequest>
```

Element: setLineItemStateResponse

Description

A **setLineItemStateResponse** message contains an element of setLineItemStateResponseType.

Derived By

Type setLineItemStateResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLineItemStateDataListType</td><td>0..1</td><td>Information about the line items whose state was not set is listed in the failedData element. See failedLineItemStateDataListType.</td></tr>
</table>

Referenced By

Name	Type
setLineItemState	Method

XML Example

The following XML fragment illustrates a successful **setLineItemStateResponse** message:

```
<setLineItemStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setLineItemStateResponse>
```

Element: setMaintenanceLineItemStateRequest

Description

A **setMaintenanceLineItemStateRequest** message contains an element of setMaintenanceLineItemStateRequestType.

Derived By

Type setMaintenanceLineItemStateRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
maintenanceLineItem	maintenanceLineItemStateDataType	1..*	See maintenanceLineItemStateDataType.

Referenced By

Name	Type
setMaintenanceLineItemState	Method

XML Example

The following XML fragment illustrates a **setMaintenanceLineItemStateRequest** message:

```
<setMaintenanceLineItemStateRequest>
  <maintenanceLineItem>
    <lineItemIdentifier>
      <uniqueId>HID-111373</uniqueId>
      <primaryKeys>
        <activationId>ActivationID-Parent-TestRF007_1</activationId>
      </primaryKeys>
    </lineItemIdentifier>
    <stateToSet>DEPLOYED</stateToSet>
  </maintenanceLineItem>
</setMaintenanceLineItemStateRequest>
```

Element: setMaintenanceLineItemStateResponse

Description

A **setMaintenanceLineItemStateResponse** message contains an element of setMaintenanceLineItemStateResponseType.

Derived By

Type setMaintenanceLineItemStateResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.
failedMaintenanceData	failedMaintenanceLineItemStateDataListType	0..1	See failedMaintenanceLineItemStateDataListType.

Referenced By

Name	Type
setMaintenanceLineItemState	Method

XML Example

The following XML fragment illustrates a successful **setMaintenanceLineItemStateResponse** message:

```
<setMaintenanceLineItemStateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</setMaintenanceLineItemStateResponse>
```

The following XML fragment illustrates an unsuccessful **setMaintenanceLineItemStateResponse** message:

```
<setMaintenanceLineItemStateResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed.</reason>
  </statusInfo>
  <failedMaintenanceData>
    <failedMaintenanceLineItem>
      <maintenanceLineItem>
        <lineItemIdentifier>
          <primaryKeys>
            <activationId>se2-1M</activationId>
          </primaryKeys>
        </lineItemIdentifier>
        <stateToSet>INVALID_STATE</stateToSet>
      </maintenanceLineItem>
      <reason>xxx</reason>
    </failedMaintenanceLineItem>
  </failedMaintenanceData>
</setMaintenanceLineItemStateResponse>
```

Element: splitBulkEntitlementRequest

Description

A **splitBulkEntitlementRequest** message contains an element of splitBulkEntitlementRequestType.

Derived By

Type splitBulkEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementList	splitBulkEntitlementListType	1..1	Required. See splitBulkEntitlementListType.

Referenced By

Name	Type
splitBulkEntitlement	Method

XML Example

The following XML fragment illustrates a **splitLineItemRequest** message:

```
<splitBulkEntitlementRequest>
  <bulkEntitlementList>
    <bulkEntitlementInfo>
      <bulkEntIdentifier>
        <primaryKeys>
          <activationId>se-split-1</activationId>
        </primaryKeys>
      </bulkEntIdentifier>
        <numberOfCopies>15</numberOfCopies>
        <targetTierName>bo.constants.partnertiernames.endcustomer</targetTierName>
      <targetOrganizationUnit>
        <primaryKeys>
          <name>ORG2</name>
        </primaryKeys>
      </targetOrganizationUnit>
      <matchingBulkEntitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent-match-a</entitlementId>
        </primaryKeys>
      </matchingBulkEntitlementIdentifier>
      <matchingLineItemIdentifier>
        <primaryKeys>
          <activationId>se-match-1</activationId>
        </primaryKeys>
      </matchingLineItemIdentifier>
    </bulkEntitlementInfo>
  </bulkEntitlementList>
</bulkEntitlementRequest>
```

Element: splitBulkEntitlementResponse

Description

A **splitBulkEntitlementResponse** message contains an element of splitBulkEntitlementResponseType.

Derived By

Type splitBulkEntitlementResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>splitBulkEntitlementResponseListType</td><td>0..1</td><td>Information about the bulk entitlement that was split, and optionally the bulk entitlement to which the split web register keys went, is listed in the responseData element. See splitBulkEntitlementResponseListType.</td></tr>
</table>

Content Model

Component	Type	Occurs	Description
failedData	failedSplitBulkEntitlementListType	0..1	Information about an entitlement line item that was not split is listed in the failedData element. See failedSplitBulkEntitlementListType.

Referenced By

Name	Type
splitBulkEntitlement	Method

XML Example

The following XML fragment illustrates a successful **splitBulkEntitlementResponse** message:

```
<splitBulkEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <splitBulkEntitlement>
      <bulkEntIdentifier>
        <uniqueId>HID-101349</uniqueId>
        <primaryKeys>
          <entitlementId>Ent-split-2</entitlementId>
        </primaryKeys>
      </bulkEntIdentifier>
      <newBulkEntIdentifier>
        <primaryKeys>
          <entitlementId>3da0-c6d3-128c-b87c-bc77-ffc</entitlementId>
        </primaryKeys>
      </newBulkEntIdentifier>
    </splitBulkEntitlement>
  </responseData>
</splitBulkEntitlementResponse>
```

Element: splitLineItemRequest

Description

A **splitLineItemRequest** message contains an element of splitLineItemRequestType.

Derived By

Type splitLineItemRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemList	splitLineItemListType	1..1	Required. See splitLineItemListType.

Referenced By

Name	Type
splitLineItem	Method

XML Example

The following XML fragment illustrates a **splitLineItemRequest** message:

```
<splitLineItemRequest>
  <lineItemList>
    <lineItemInfo>
      <lineItemIdentifier>
        <primaryKeys>
          <activationId>se-split-1</activationId>
        </primaryKeys>
      </lineItemIdentifier>
        <numberOfCopies>15</numberOfCopies>
        <targetTierName>bo.constants.partnertiernames.endcustomer</targetTierName>
      <targetOrganizationUnit>
        <primaryKeys>
          <name>ORG2</name>
        </primaryKeys>
      </targetOrganizationUnit>
      <matchingLineItemIdentifier>
        <primaryKeys>
          <activationId>se-match-1</activationId>
        </primaryKeys>
      </matchingLineItemIdentifier>
    </lineItemInfo>
  </lineItemList>
</splitLineItemRequest>
```

Element: splitLineItemResponse

Description

A **splitLineItemResponse** message contains an element of splitLineItemResponseType.

Derived By

Type splitLineItemResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>splitLineItemResponseListType</td><td>0..1</td><td>Information about the entitlement line item that was split, and optionally the entitlement to which the split counts went, is listed in the responseData element. See splitLineItemResponseListType.</td></tr>
<tr><td>failedData</td><td>failedSplitLineItemListType</td><td>0..1</td><td>Information about an entitlement line item that was not split is listed in the failedData element. See failedSplitLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
splitLineItem	Method

XML Example

The following XML fragment illustrates a successful **splitLineItemResponse** message:

XML Example

```
<splitLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <splitLineItem>
      <lineItemIdentifier>
        <uniqueId>HID-101349</uniqueId>
        <primaryKeys>
          <activationId>se-split-2</activationId>
        </primaryKeys>
      </lineItemIdentifier>
      <entitlementIdentifier>
        <primaryKeys>
          <entitlementId>3da0-c6d3-128c-b87c-bc77-ffc</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
    </splitLineItem>
  </responseData>
</splitLineItemResponse>
```

Element: transferEntitlementsRequest

Description

A **transferEntitlementsRequest** message contains an element of transferEntitlementsRequestType.

Derived By

Type transferEntitlementsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementList	transferEntitlementsListType	1..1	Required. See transferEntitlementInfoType.

Referenced By

Name	Type
transferEntitlement	Method

XML Example

The following XML fragment illustrates a **transferEntitlementsRequest** message:

```
<transferEntitlementsRequest>
  <entitlementList>
```

XML Example

```
    <entitlementInfo>
      <entitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent-basic</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <organizationTo>WILY</organizationTo>
      <retainExistingIds>false</retainExistingIds>
      <returnActiveFulfillments>true</returnActiveFulfillments>
    </entitlementInfo>
  </entitlementList>
</transferEntitlementsRequest>
```

Element: transferEntitlementsResponse

Description

A **transferEntitlementsResponse** message contains an element of transferEntitlementsResponseType.

Each entitlement in the **transferEntitlementsRequest** is transferred as an atomic unit; transferring each either succeeds or fails.

Derived By

Type transferEntitlementsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>transferredEntitlementsListType</td><td>0..1</td><td>Information about the entitlements that were transferred is listed in the responseData element. See transferredEntitlementsListType.</td></tr>
<tr><td>failedData</td><td>failedTransferEntitlementListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedTransferEntitlementListType.</td></tr>
</table>

Referenced By

Name	Type
transferEntitlement	Method

XML Example

The following XML fragment illustrates a successful **transferEntitlementsResponse** message:

```
<transferEntitlementsResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <transferredEntitlement>
      <entitlementIdentifier>
        <uniqueId>HID-220046</uniqueId>
        <primaryKeys>
          <entitlementId>18ee-9d61-9994-1748-747f-f8</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <lineItemIdentifierMap>
        <activationId>18ee-9d61-1094-1799-747f-f7</activationId>
        <transferredFromId>Ent-basic-2</transferredFromId>
      </lineItemIdentifierMap>
      <lineItemIdentifierMap>
        <activationId>18ee-9d61-1094-1748-747f-f6</activationId>
        <transferredFromId>Ent-basic-1</transferredFromId>
      </lineItemIdentifierMap>
    </transferredEntitlement>
  </responseData>
</transferEntitlementsResponse>
```

Element: transferLineItemsRequest

Description

A **transferLineItemsRequest** message contains an element of transferLineItemsRequestType.

Derived By

Type transferLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemList	transferLineItemsListType	1..1	Required. See transferLineItemsListType.

Referenced By

Name	Type
transferLineItem	Method

XML Example

The following XML fragment illustrates a **transferLineItemsRequest** message:

```
<transferLineItemsRequest>
```

XML Example

```
<lineItemList>
  <lineItemInfo>
    <lineItemIdentifier>
      <primaryKeys>
        <activationId>Ent-trans-1</activationId>
      </primaryKeys>
    </lineItemIdentifier>
    <numberOfCopies>10</numberOfCopies>
    <useSameActivationId>true</useSameActivationId>
    <entitlementBelongsTo>
      <primaryKeys>
        <entitlementId>Ent-receive</entitlementId>
      </primaryKeys>
    </entitlementBelongsTo>
  </lineItemInfo>
</lineItemList>
</transferLineItemsRequest>
```

Element: transferLineItemsResponse

Description

A **transferLineItemsResponse** message contains an element of transferLineItemsResponseType.

Each entitlement line item in the **transferLineItemsRequest** is transferred as an atomic unit; transferring each either succeeds or fails.

Derived By

Type transferLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>transferredLineItemsListType</td><td>0..1</td><td>Information about the entitlements that were transferred is listed in the responseData element. See transferredLineItesmsListType.</td></tr>
<tr><td>failedData</td><td>failedTransferLineItemListType</td><td>0..1</td><td>Information about the entitlements that were not added is listed in the failedData element. See failedTransferLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
transferLineItem	Method

XML Example

The following XML fragment illustrates a successful **transferLineItemsResponse** message:

```
<transferLineItemsResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <transferredLineItem>
      <lineItemIdentifier>
        <uniqueId>HID-220116</uniqueId>
        <primaryKeys>
          <activationId>Ent-trans-1</activationId>
        </primaryKeys>
      </lineItemIdentifier>
      <transferredFromId>
        <primaryKeys>
          <activationId>Ent-trans-1</activationId>
        </primaryKeys>
      </transferredFromId>
    </transferredLineItem>
  </responseData>
</transferLineItemsResponse>
```

Element: unlinkMaintenanceLineItemRequest

Description

An **unlinkMaintenanceLineItemRequest** message contains an element of unlinkMaintenanceLineItemRequestType.

Derived By

Type unlinkMaintenanceLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
unlinkMaintenanceLineItemList	unlinkMaintenanceLineItemListType	1..1	See unlinkMaintenanceLineItemListType.

Referenced By

Name	Type
unlinkMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates an **unlinkMaintenanceLineItem** message:

```
<unlinkMaintenanceLineItemRequest>
    <unlinkMaintenanceLineItemList>
      <!--1 or more repetitions:-->
      <unlinkMaintenanceLineItem>
```

XML Example

```
        <lineItemIdentifier>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <primaryKeys>
            <activationId>?</activationId>
          </primaryKeys>
        </lineItemIdentifier>
        <maintenanceLineItemIdentifier>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <primaryKeys>
            <activationId>?</activationId>
          </primaryKeys>
        </maintenanceLineItemIdentifier>
      </unlinkMaintenanceLineItem>
    </unlinkMaintenanceLineItemList>
  </unlinkMaintenanceLineItemRequest>
```

Element: unlinkMaintenanceLineItemResponse

Description

An **unlinkMaintenanceLineItemResponse** message contains an element of unlinkMaintenanceLineItemResponseType.

Derived By

Type unlinkMaintenanceLineItemResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUnlinkMaintenanceLineItemListType</td><td>0..1</td><td>See failedUnlinkMaintenanceLineItemListType.</td></tr>
</table>

Referenced By

Name	Type
unlinkMaintenanceLineItem	Method

XML Example

The following XML fragment illustrates a successful **unlinkMaintenanceLineItemResponse** message:

```
<unlinkMaintenanceLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</unlinkMaintenanceLineItemResponse>
```

The following XML fragment illustrates an unsuccessful **unlinkMaintenanceLineItemResponse** message:

XML Example

```
<unlinkMaintenanceLineItemResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>All input data in the request failed. …</reason>
  </statusInfo>
  <failedData>
    <failedUnlinkMaintenanceLineItem>
      <unlinkMaintenanceLineItem>
        <lineItemIdentifier>
          <primaryKeys>
            <activationId>ent-maint-1P</activationId>
          </primaryKeys>
        </lineItemIdentifier>
        <maintenanceLineItemIdentifier>
          <primaryKeys>
            <activationId>ent-maint-1</activationId>
          </primaryKeys>
        </maintenanceLineItemIdentifier>
      </unlinkMaintenanceLineItem>
      <reason>9999:Cannot find the specified maintenance line item</reason>
    </failedUnlinkMaintenanceLineItem>
  </failedData>
</unlinkMaintenanceLineItemResponse>
```

Element: updateBulkEntitlementRequest

Description

An **updateBulkEntitlementRequest** message contains an element of updateBulkEntitlementRequestType.

Derived By

Type updateBulkEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlement	updateBulkEntitlementDataType	1..*	Required. An updateBulkEntitlementRequest contains a bulkEntitlement element. See updateBulkEntitlementDataType.

Referenced By

Name	Type
updateBulkEntitlement	Method

XML Example

The following XML fragment illustrates an **updateBulkEntitlementRequest** message (added missing entitlement-time attributes):

```
<updateBulkEntitlementRequest>
  <bulkEntitlement>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_bulk_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <licenseModelAttributes>
      <attribute>
        <attributeName>SERIAL_NUMBER</attributeName>
        <stringValue>serial</stringValue>
      </attribute>
      <attribute>
        <attributeName>NOTICE</attributeName>
        <stringValue>notice</stringValue>
      </attribute>
    </licenseModelAttributes>
  </bulkEntitlement>
</updateBulkEntitlementRequest>
```

Element: updateBulkEntitlementResponse

Description

An **updateBulkEntitlementResponse** message contains an element of updateBulkEntitlementResponseType.

Derived By

Type updateBulkEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateBulkEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not updated is listed in the failedData element. See failedUpdateBulkEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateBulkEntitlement	Method

XML Example

The following XML fragment illustrates a successful **updateBulkEntitlementResponse** message:

```
<updateBulkEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateBulkEntitlementResponse>
```

Element: updateEntitlementLineItemRequest

Description

An **updateEntitlementLineItemRequest** message contains an element of updateEntitlementLineItemRequestType.

Derived By

Type updateEntitlementLineItemRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemData	updateEntitlementLineItemDataType	1..*	Required. An updateEntitlementLineItemRequest contains a lineItemData element. See updateEntitlementLineItemDataType.

Referenced By

Name	Type
updateEntitlementLineItem	Method

XML Example

The following XML fragment illustrates an **updateEntitlementLineItemRequest** message:

```
<updateEntitlementLineItemRequest>
  <lineItemData>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <lineItemData>
      <lineItemIdentifier>
        <primaryKeys>
          <activationId>Ent_basic_1</activationId>
        </primaryKeys>
      </lineItemIdentifier>
      <numberOfCopies>20</numberOfCopies>
    </lineItemData>
  </lineItemData>
</updateEntitlementLineItemRequest>
```

Element: updateEntitlementLineItemResponse

Description

A **updateEntitlementLineItemResponse** message contains an element of updateEntitlementLineItemResponseType.

Each entitlement in the **updateEntitlementLineItemRequest** is updated as an atomic unit; updating each either succeeds or fails.

Derived By

Type updateEntitlementLineItemResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateEntitlementLineItemDataListType</td><td>0..1</td><td>Information about the line items that were not updated is listed in the failedData element. See failedUpdateEntitlementLineItemDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateEntitlementLineItem	Method

XML Example

The following XML fragment illustrates a successful **updateEntitlementLineItemResponse** message:

```
<updateEntitlementLineItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateEntitlementLineItemResponse>
```

Element: updateSimpleEntitlementRequest

Description

An **updateSimpleEntitlementRequest** message contains an element of updateSimpleEntitlementRequestType.

Derived By

Type updateSimpleEntitlementRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
simpleEntitlement	updateSimpleEntitlementDataType	1..*	Required. An **updateSimpleEntitlementRequest** contains a simpleEntitlement element. See updateSimpleEntitlementDataType.

Referenced By

Name	Type
updateSimpleEntitlement	Method

XML Example

The following XML fragment illustrates an **updateSimpleEntitlementRequest** message:

```
<updateSimpleEntitlementRequest>
  <simpleEntitlement>
    <entitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent_basic_a</entitlementId>
```

XML Example

```
      </primaryKeys>
    </entitlementIdentifier>
    <entitlementId>
      <id>Ent_basic_a_mod</id>
    </entitlementId>
    <soldTo>Delta</soldTo>
  </simpleEntitlement>
</updateSimpleEntitlementRequest>
```

Element: updateSimpleEntitlementResponse

Description

A **updateSimpleEntitlementResponse** message contains an element of updateSimpleEntitlementResponseType.

Each entitlement in the **updateSimpleEntitlementRequest** is updated as an atomic unit; updating each either succeeds or fails.

Derived By

Type updateSimpleEntitlementResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateSimpleEntitlementDataListType</td><td>0..1</td><td>Information about the entitlements that were not updated is listed in the failedData element. See failedUpdateSimpleEntitlementDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateSimpleEntitlement	Method

XML Example

The following XML fragment illustrates a successful **updateSimpleEntitlementResponse** message:

```
<updateSimpleEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateSimpleEntitlementResponse>
```

Element: upgradeLicenseRequest

Description

An **upgradeLicenseRequest** message contains an element of EntitlementLifeCycleRequestType.

Derived By

Type EntitlementLifeCycleRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	entitlementLifeCycleDataType	0..*	Required. A **EntitlementLifecycleRequest** contains an array of **entitlementData** elements. See entitlementLifeCycleDataType.

Referenced By

Name	Type
upgradeLicense	Method

XML Example

The following XML fragment illustrates an **upgradeLicenseRequest** message:

```
<upgradeLicenseRequest>
  <entitlementData>
    <parentEntitlementIdentifier>
      <primaryKeys>
        <entitlementId>Ent-upgrade</entitlementId>
      </primaryKeys>
    </parentEntitlementIdentifier>
    <lineItemData>
      <parentLineItemIdentifier>
        <primaryKeys>
          <activationId>Ent-upgrade-1</activationId>
        </primaryKeys>
      </parentLineItemIdentifier>
      <lineItem>
        <activationId>
          <id>Ent-upgrade-1UPGRADE</id>
        </activationId>
        <product>
          <primaryKeys>
            <name>Basic Paint</name>
            <version>2.0</version>
          </primaryKeys>
        </product>
        <licenseModel>
          <primaryKeys>
            <name>Floating Counted</name>
          </primaryKeys>
```

XML Example

```
        </licenseModel>
        <licenseModelAttributes>
          <attribute>
            <attributeName>SERIAL_NUMBER</attributeName>
            <stringValue>some thing</stringValue>
          </attribute>
          <attribute>
            <attributeName>NOTICE</attributeName>
            <stringValue>test</stringValue>
          </attribute>
        </licenseModelAttributes>
        <orderId>110</orderId>
        <orderLineNumber>10</orderLineNumber>
        <numberOfCopies>3</numberOfCopies>
        <startDate>2008-02-15</startDate>
        <isPermanent>true</isPermanent>
        <lineItemType>UPGRADE</lineItemType>
      </lineItem>
      <isFull>true</isFull>
      <allowActivationsOnParent>false</allowActivationsOnParent>
      <autoDeploy>true</autoDeploy>
    </lineItemData>
  </entitlementData>
</upgradeLicenseRequest>
```

Element: upgradeLicenseResponse

Description

An **upgradeLicenseResponse** message contains an element of EntitlementLifeCycleResponseType.

Each entitlement in the **upgradeLicenseRequest** is renewed as an atomic unit; upgrading each either succeeds or fails.

Derived By

Type EntitlementLifeCycleResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedEntitlementLifeCycleDataListType</td><td>0..1</td><td>Information about the entitlements that were not upgraded is listed in the failedData element. See failedEntitlementLifeCycleDataListType.</td></tr>
<tr><td>responseData</td><td>createdEntitlementLifeCycleDataListType</td><td>0..1</td><td>Information about the entitlements that were upgraded is listed in the responseData element. See createdEntitlementLifeCycleDataListType.</td></tr>
</table>

Referenced By

Name	Type
upgradeLicense	Method

XML Example

The following XML fragment illustrates a successful **upgradeLicenseResponse** message:

```
<upgradeLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <entitlementData>
      <entitlementRecordRefNo>01</entitlementRecordRefNo>
      <parentEntitlementIdentifier>
        <primaryKeys>
          <entitlementId>Ent-upgrade</entitlementId>
        </primaryKeys>
      </parentEntitlementIdentifier>
      <createdLineItemData>
        <lineItemRecordRefNo>01</lineItemRecordRefNo>
        <parentLineItemIdentifier>
          <primaryKeys>
            <activationId>Ent-upgrade-1</activationId>
          </primaryKeys>
        </parentLineItemIdentifier>
        <newLineItem>
          <uniqueId>HID-220134</uniqueId>
          <activationId>Ent-upgrade-1UPGRADE</activationId>
        </newLineItem>
      </createdLineItemData>
    </entitlementData>
  </responseData>
</upgradeLicenseResponse>
```

Element: upsellLicenseRequest

Description

An **upsellLicenseRequest** message contains an element of EntitlementLifeCycleRequestType.

Derived By

Type EntitlementLifeCycleRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementData	entitlementLifeCycleDataType	0..*	Required. A **EntitlementLifecycleRequest** contains an array of **entitlementData** elements. See entitlementLifeCycleDataType.

Referenced By

Name	Type
upsellLicense	Method

XML Example

The following XML fragment illustrates an **upsellLicenseRequest** message:

```
<upsellLicenseRequest>
  <entitlementData>
    <lineItemData>
      <parentLineItemIdentifier>
        <primaryKeys>
          <activationId>Ent-upsell-1</activationId>
        </primaryKeys>
      </parentLineItemIdentifier>
      <lineItem>
        <activationId>
          <id>Ent-upsell-1UPSELL</id>
        </activationId>
        <product>
          <primaryKeys>
            <name>Premium Paint</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <licenseModel>
          <primaryKeys>
            <name>Floating Counted</name>
          </primaryKeys>
        </licenseModel>
        <licenseModelAttributes>
          <attribute>
            <attributeName>SERIAL_NUMBER</attributeName>
            <stringValue>some thing</stringValue>
          </attribute>
          <attribute>
            <attributeName>NOTICE</attributeName>
            <stringValue>test</stringValue>
          </attribute>
        </licenseModelAttributes>
        <orderId>110</orderId>
        <orderLineNumber>10</orderLineNumber>
        <startDate>2008-02-15</startDate>
        <isPermanent>true</isPermanent>
        <lineItemType>UPSELL</lineItemType>
      </lineItem>
      <isFull>true</isFull>
      <allowActivationsOnParent>true</allowActivationsOnParent>
      <autoDeploy>true</autoDeploy>
    <lineItemData>
  </entitlementData>
</upsellLicenseRequest>
```

Element: upsellLicenseResponse

Description

An **upsellLicenseResponse** message contains an element of EntitlementLifeCycleResponseType.

Each entitlement in the **upsellLicenseRequest** is renewed as an atomic unit; upselling each either succeeds or fails.

Derived By

Type EntitlementLifeCycleResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedEntitlementLifeCycleDataListType</td><td>0..1</td><td>Information about the entitlements that were not upgraded is listed in the failedData element. See failedEntitlementLifeCycleDataListType.</td></tr>
<tr><td>responseData</td><td>createdEntitlementLifeCycleDataListType</td><td>0..1</td><td>Information about the entitlements that were upgraded is listed in the responseData element. See createdEntitlementLifeCycleDataListType.</td></tr>
</table>

Referenced By

Name	Type
upsellLicense	Method

XML Example

The following XML fragment illustrates a successful **upsellLicenseResponse** message:

```
<upsellLicenseResponse>
  <statusInfo>
```

XML Example


```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <entitlementData>
      <entitlementRecordRefNo>01</entitlementRecordRefNo>
      <parentEntitlementIdentifier>
        <uniqueId>HID-220083</uniqueId>
        <primaryKeys>
          <entitlementId>Ent-upsell</entitlementId>
        </primaryKeys>
      </parentEntitlementIdentifier>
      <createdLineItemData>
        <lineItemRecordRefNo>01</lineItemRecordRefNo>
        <parentLineItemIdentifier>
          <primaryKeys>
            <activationId>Ent-upsell-1</activationId>
          </primaryKeys>
        </parentLineItemIdentifier>
         <newLineItem>
           <uniqueId>HID-220136</uniqueId>
           <activationId>Ent-upgrade-1UPSELL</activationId>
         </newLineItem>
      </createdLineItemData>
    </entitlementData>
  </responseData>
</upsellLicenseResponse>
```

LicenseService Web Service

Description

Web service to create, rehost, repair, return, query of license activations.

Introduction

The License web service allows you to generate and email certificate licenses, perform license lifecycle operations for certificate licenses, and generate short code activation responses for trusted activations.

Methods: LicenseService

Methods

Name	Description
activateShortCode	The **activateShortCode** operation generates one keyboard activation response. To use the License service to generate a short code response: • Short code ASRs must be created and associated with deployed bulk entitlements in the FlexNet Operations database. • Short code ASRs must be delivered to customers with an activation utility. • Bulk entitlement and/or a web register key must be delivered to customers. • If web register keys are going to be loaded dynamically into a bulk entitlement at fulfillment time, a FlexNet Operations configuration setting to load web register keys as part of activation for trusted bulk entitlements must be checked
consolidateFulfillments	The **consolidateFulfillments** operation creates one or more consolidated license certificates from a set of fulfillments. To use the License service to create consolidated certificate licenses, there must be fulfillments in the FlexNet Operations database.
createChildLineItemFulfillment	The **createChildLineItemFulfillment** operation generates licenses for one or more renewal, upgrade, or upsell line items. To generate a license for a child line item, there must be an existing RENEWAL, UPGRADE, or UPSELL activatable item.
createLicense	The **createLicense** operation generates one or more license certificates and corresponding fulfillment records. To use the License service to generate a certificate license: • There must be deployed entitlements in the FlexNet Operations database. • You must provide any fulfillment-time data that re required by the specified license model.
createLicensesAsBatch	The **createLicensesAsBatch** operation generates one or more license certificates and corresponding fulfillment records from a set of activatable items that use the same license model and fulfillment-time attributes. Hostids and counts can be defined for each activatable item. To use the License service to generate certificate licenses in a batch: • There must be test or deployed entitlements in the FlexNet Operations database that use the same license model. • You must provide any fulfillment-time data that are required by the specified license model. Hostids and count can be provided for each individual fulfillment, but other fulfillment-time data applies to all the fulfillments.

Methods

Name	Description
createLicensesAsBatchAndConsolidate	The **createLicensesAsBatchAndConsolidate** operation generates one or more consolidated license certificates and corresponding fulfillment records from a set of activatable items that use the same license model and fulfillment-time attributes. Hostids and counts can be defined for each activatable item. To use the License service to generate consolidated certificate licenses in batch: • There must be test or deployed entitlements in the FlexNet Operations database that use the same license model. • You must provide any fulfillment-time data that are required by the specified license model. Hostids and count can be provided for each individual fulfillment, but other fulfillment-time data applies to all the fulfillments.
deleteOnholdFulfillments	The **deleteOnholdFulfillments** operation takes one or more on-hold fulfillmentIDs and deletes them.
emailConsolidatedLicenses	The **emailConsolidatedLicenses** operation sends one or more consolidated licenses via email. To send a consolidated license as an email attachment using the License service: • Configure the from-address for the license email. See the *FlexNet Operations Installation Guide*. • Customize the consolidated license email templates, if necessary. See the *FlexNet Operations Producer Portal Help Guide*. • A consolidated license must exist in the database. • At least one email address must be provided.
emailLicense	The **emailLicense** operation sends a license certificate. To send a license certificate as an email attachment using the License service: • Configure the from-address for the license email. See the *FlexNet Operations Installation Guide*. • Customize the license email templates, if necessary. See the *FlexNet Operations Producer Portal Help Guide*. • A fulfillment ID for a generated license must exist in the database. • At least one email address must be provided.
emergencyLicense	The **emergencyLicense** operation generates an emergency nodelocked or served certificate license for one or more fulfillments. To generate an emergency license, there must be existing fulfillments in the database that are eligible for an emergency license, according to their license model policies.
getConsolidatedFulfillmentCount	The **getConsolidatedFulfillmentCount** operation returns the number of consolidated fulfillments that match specified criteria.
getConsolidatedFulfillmentsQuery	The **getConsolidatedFulfillmentsQuery** operation returns the consolidated fulfillments that match specified criteria.

Methods

Name	Description
getFulfillmentAttributesForBatchActivation	The **getFulfillmentAttributesForBatchActivation** operation returns all the license model or entitlement attributes for the specified activation IDs that must be specified at the time the licenses are generated
getFulfillmentAttributesFromModel	The **getFulfillmentAttributesFromModel** operation returns all the license model attributes for the specified model that must be specified at the time the license is generated.
getFulfillmentCount	The **getFulfillmentCount** operation returns the number of fulfillments that match specified criteria.
getFulfillmentHistory	The **getFulfillmentHistory** operation returns the history of a specified fulfillment.
getFulfillmentPropertiesQuery	The **getFulfillmentPropertiesQuery** operation returns the fulfillment details that match specified criteria. The response from getFulfillmentProperties is highly configurable. You can use it to select only the data you need in a given response.
getFulfillmentsQuery	The **getFulfillmentsQuery** operation returns the fulfillments that match specified criteria.
getHostAttributesFromLicenseTechnology	The **getHostAttributesFromLicenseTechnology** operation takes a custom license technology and gives host attributes for the given technology in the response data. It is used to create a custom host when generating a license.
manualActivation	The **manualActivation** operation takes a single trusted activation XML request as a string and generates a single trusted activation XML response as a string.
manualRepair	The **manualRepair** operation generates one manual trusted activation repair response.
manualReturn	The **manualReturn** operation generates one trusted activation return response.
offlineFNPTrustedStorageActivation	The **offlineFNPTrustedStorageActivation** operation generates one or more fulfillment responses, based on the contents of the offline activation request, and returns output that can be stored as a file for subsequent processing on the machine that originated the request. The operation takes one or many activation IDs and an XML structure that contains information about the state of trusted storage on a single host machine. The operation output is an XML structure containing the fulfillment that must be saved to a file and processed on the host machine.
publisherErrorLicense	The **publisherErrorLicense** operation generates a publisher error nodelocked or served certificate license for one or more fulfillments. To generate a publisher error license, there must be existing fulfillments in the database that are eligible for a publisher error license, according to their license model policies.
rehostLicense	The **rehostLicense** operation modifies the hostids of one or more fulfillments. To rehost a license, there must be existing fulfillments in the database that are eligible to be rehosted, according to their license model policies.
renewFulfillment	The **renewFulfillment** operation generates renewal licenses for one or more fulfillments. To renew a fulfillment, there must be an existing RENEWAL entitlement line item for the product licensed by the parent fulfillment
repairLicense	The **repairLicense** operation modifies editable parameters in fulfillments other than hostids. To repair a license, there must be existing fulfillments in the database that are eligible to be repaired, according to their license model policies.

Methods

Name	Description
repairShortCode	The **repairShortCode** operation generates one short code repair response.
returnLicense	The **returnLicense** operation returns one or more fulfillments. To return a license, there must be existing fulfillments in the database that are eligible to be returned, according to their license model policies.
returnShortCode	The **returnShortCode** operation generates one short code return response.
setLicense	The **setLicense** operation sets the license text for one or more on-hold fulfillmentIDs for a manual custom license technology.
stopGapLicense	The **stopGapLicense** operation generates a stop-gap nodelocked or served certificate license for one or more fulfillments. To generate a stop-gap license, there must be existing fulfillments in the database that are eligible for a stop-gap license, according to their license model policies.
transferHost	The **transferHost** operation transfers active fulfillments from one or more hosts owned by one customer organization to another customer organization. When a host is transfered, line items that are the source of the fulfillments on that host are moved as well. The result of the move is to either create new entitlements for the target organization or to pool the line items—incrementing the counts of the target organization's existing (and matching) line items by the counts on the hosts' line items.
upgradeFulfillment	The **upgradeFulfillment** operation generates upgrade licenses for one or more fulfillments. To upgrade a fulfillment, there must be an existing UPGRADE entitlement line item for the product licensed by the parent fulfillment.
upsellFulfillment	The **upsellFulfillment** operation generates upsell licenses for one or more fulfillments. To upsell a fulfillment, there must be an existing UPSELL entitlement line item for the product licensed by the parent fulfillment.
verifyCreateLicense	The **verifyCreateLicense** operation checks whether licenses can be generated with the specified parameters, but does not generate fulfillment records. To use the License service to verify that licenses can be created: • There must be test or deployed entitlements in the FlexNet Operations database. • You must provide any fulfillment-time data that are required by the specified license model.

Method: activateShortCode

Description

The **activateShortCode** operation generates one keyboard activation response. To use the License service to generate a short code response:

- Short code ASRs must be created and associated with deployed bulk entitlements in the FlexNet Operations database.
- Short code ASRs must be delivered to customers with an activation utility.

Description

- Bulk entitlement and/or a web register key must be delivered to customers.
- If web register keys are going to be loaded dynamically into a bulk entitlement at fulfillment time, a FlexNet Operations configuration setting to load web register keys as part of activation for trusted bulk entitlements must be checked

Parameters

Name	Type	Direction	Description
msgparameters	activateShortCodeRequestType	Input	See activateShortCodeRequestType.

Returns

A activateShortCodeResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedShortCodeDataType	Information about a short code response that was not generated is listed in the failedData element. See failedShortCodeDataType.
responseData	createdShortCodeDataType	Information about an short code response that was generated is listed in the **responseData** element. **responseData** contains a **shortCode** short code response string. This response is delivered back to the customer to enter into an activation utility.

Method: consolidateFulfillments

Description

The **consolidateFulfillments** operation creates one or more consolidated license certificates from a set of fulfillments. To use the License service to create consolidated certificate licenses, there must be fulfillments in the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	consolidateFulfillmentsRequestType	Input	See consolidateFulfillmentsRequestType.

Returns

A consolidateFulfillmentsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	consolidatedResponseDataType	Information about the licenses that were generated is listed in the responseData element. See consolidatedResponseDataType.

Method: createChildLineItemFulfillment

Description

The **createChildLineItemFulfillment** operation generates licenses for one or more renewal, upgrade, or upsell line items. To generate a license for a child line item, there must be an existing RENEWAL, UPGRADE, or UPSELL activatable item.

Parameters

Name	Type	Direction	Description
msgparameters	createChildLineItemFulfillmentRequestType	Input	See createChildLineItemFulfillmentRequestType.

Returns

A createChildLineItemFulfillmentResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createdChildLIFmtResponseDataType</td><td>Information about the fulfillments that were created is listed in the responseData element. See createdChildLIFmtResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedChildLIFmtResponseDataType</td><td>Information about the fulfillments that were not returned is listed in the failedData element. See failedChildLIFmtResponseDataType.</td></tr>
</table>

Method: createLicense

Description

The **createLicense** operation generates one or more license certificates and corresponding fulfillment records. To use the License service to generate a certificate license:

- There must be deployed entitlements in the FlexNet Operations database.

Description

- You must provide any fulfillment-time data that re required by the specified license model.

Parameters

Name	Type	Direction	Description
msgparameters	createFulfillmentRequestType	Input	See createFulfillmentRequestType.

Returns

A createLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedFulfillmentDataListType	Information about the licenses that were not verified is listed in the **failedData** element. See failedFulfillmentDataListType.
responseData	createdFulfillmentDataListType	Information about the licenses that were verified is listed in the **responseData** element. See createdFulfillmentDataListType.

Method: createLicensesAsBatch

Description

The **createLicensesAsBatch** operation generates one or more license certificates and corresponding fulfillment records from a set of activatable items that use the same license model and fulfillment-time attributes. Hostids and counts can be defined for each activatable item. To use the License service to generate certificate licenses in a batch:

- There must be test or deployed entitlements in the FlexNet Operations database that use the same license model.
- You must provide any fulfillment-time data that are required by the specified license model. Hostids and count can be provided for each individual fulfillment, but other fulfillment-time data applies to all the fulfillments.

Parameters

Name	Type	Direction	Description
msgparameters	createLicensesAsBatchRequestType	Input	See createLicensesAsBatchRequestType.

Returns

A createLicensesAsBatchResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	createLicensesAsBatchResponseDataType	Information about the licenses that were generated is listed in the responseData element. See createLicensesAsBatchResponseDataType.

Method: createLicensesAsBatchAndConsolidate

Description

The **createLicensesAsBatchAndConsolidate** operation generates one or more consolidated license certificates and corresponding fulfillment records from a set of activatable items that use the same license model and fulfillment-time attributes. Hostids and counts can be defined for each activatable item. To use the License service to generate consolidated certificate licenses in batch:

- There must be test or deployed entitlements in the FlexNet Operations database that use the same license model.
- You must provide any fulfillment-time data that are required by the specified license model. Hostids and count can be provided for each individual fulfillment, but other fulfillment-time data applies to all the fulfillments.

Parameters

Name	Type	Direction	Description
msgparameters	createLicensesAsBatchRequestType	Input	See createLicensesAsBatchRequestType.

Returns

A createLicensesAsBatchAndConsolidateResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>consolidatedResponseDataType</td><td>Information about the licenses that were generated is listed in the responseData element. See consolidatedResponseDataType.</td></tr>
</table>

Method: deleteOnholdFulfillments

Description

The **deleteOnholdFulfillments** operation takes one or more on-hold fulfillmentIDs and deletes them.

Parameters

Name	Type	Direction	Description
msgparameters	deleteOnholdFulfillmentsRequestType	Input	See deleteOnholdFulfillmentsRequestType.

Returns

A deleteOnholdFulfillmentsResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedOnholdFulfillmentListType</td><td>See failedOnholdFulfillmentListType.</td></tr>
</table>

Method: emailConsolidatedLicenses

Description

The **emailConsolidatedLicenses** operation sends one or more consolidated licenses via email. To send a consolidated license as an email attachment using the License service:

- Configure the from-address for the license email. See the *FlexNet Operations Installation Guide*.
- Customize the consolidated license email templates, if necessary. See the *FlexNet Operations Producer Portal Help Guide*.
- A consolidated license must exist in the database.
- At least one email address must be provided.

Parameters

Name	Type	Direction	Description
msgparameters	emailConsolidatedLicensesRequestType	Input	See emailConsolidatedLicensesRequestType.

Returns

A emailConsolidatedLicensesResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Method: emailLicense

Description

The **emailLicense** operation sends a license certificate. To send a license certificate as an email attachment using the License service:

- Configure the from-address for the license email. See the *FlexNet Operations Installation Guide*.
- Customize the license email templates, if necessary. See the *FlexNet Operations Producer Portal Help Guide*.
- A fulfillment ID for a generated license must exist in the database.

Description

- At least one email address must be provided.

Parameters

Name	Type	Direction	Description
msgparameters	emailLicenseRequestType	Input	See emailLicenseRequestType.

Returns

A emailLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Method: emergencyLicense

Description

The **emergencyLicense** operation generates an emergency nodelocked or served certificate license for one or more fulfillments. To generate an emergency license, there must be existing fulfillments in the database that are eligible for an emergency license, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	emergencyFulfillmentRequestType	Input	See emergencyFulfillmentRequestType.

Returns

A emergencyLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	emergencyResponseDataType	See emergencyResponseDataType.
failedData	failedEmergencyResponselistDataType	See failedEmergencyResponselistDataType.

Method: getConsolidatedFulfillmentCount

Description

The **getConsolidatedFulfillmentCount** operation returns the number of consolidated fulfillments that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getConsolidatedFulfillmentCountRequestType	Input	See getConsolidatedFulfillmentCountRequestType.

Returns

A getConsolidatedFulfillmentCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getConsolidatedFulfillmentCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getConsolidatedFulfillmentsQuery

Description

The **getConsolidatedFulfillmentsQuery** operation returns the consolidated fulfillments that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getConsolidatedFulfillmentsQueryRequestType	Input	See getConsolidatedFulfillmentsQueryRequestType.

Returns

A getConsolidatedFulfillmentsQueryResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Types</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getConsolidatedFulfillmentsQueryResponseDataType	See getConsolidatedFulfillmentsQueryResponseDataType.

Method: getFulfillmentAttributesForBatchActivation

Description

The **getFulfillmentAttributesForBatchActivation** operation returns all the license model or entitlement attributes for the specified activation IDs that must be specified at the time the licenses are generated

Parameters

Name	Type	Direction	Description
msgparameters	getFmtAttributesForBatchActivationRequestType	Input	See getFmtAttributesForBatchActivationRequestType.

Returns

A getFmtAttributesForBatchActivationResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFmtAttributesForBatchDataType</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFmtAttributesForBatchDataType.</td></tr>
</table>

Method: getFulfillmentAttributesFromModel

Description

The **getFulfillmentAttributesFromModel** operation returns all the license model attributes for the specified model that must be specified at the time the license is generated.

Parameters

Name	Type	Direction	Description
msgparameters	getFulfillmentAttributesRequestType	Input	See getFulfillmentAttributesRequestType.

Returns

A getFulfillmentAttributesResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentAttributesDataType</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFulfillmentAttributesDataType.</td></tr>
</table>

Method: getFulfillmentCount

Description

The **getFulfillmentCount** operation returns the number of fulfillments that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFulfillmentCountRequestType	Input	See getFulfillmentCountRequestType.

Returns

A getFulfillmentCountResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentCountResponseDataType</td><td>Contains an integer count element.</td></tr>
</table>

Method: getFulfillmentHistory

Description

The **getFulfillmentHistory** operation returns the history of a specified fulfillment.

Parameters

Name	Type	Direction	Description
msgparameters	getFulfillmentHistoryRequestType	Input	See getFulfillmentHistoryRequestType.

Returns

A getFulfillmentHistoryResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	fulfillmentHistoryDataType	See fulfillmentHistoryDataType.

Method: getFulfillmentPropertiesQuery

Description

The **getFulfillmentPropertiesQuery** operation returns the fulfillment details that match specified criteria.

The response from getFulfillmentProperties is highly configurable. You can use it to select only the data you need in a given response.

Parameters

Name	Type	Direction	Description
msgparameters	getFulfillmentPropertiesRequestType	Input	See getFulfillmentPropertiesRequestType.

Returns

A getFulfillmentPropertiesResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>fulfillment</td><td>fulfillmentPropertiesType</td><td>See fulfillmentPropertiesType.</td></tr>
</table>

Method: getFulfillmentsQuery

Description

The **getFulfillmentsQuery** operation returns the fulfillments that match specified criteria.

Parameters

Name	Type	Direction	Description
msgparameters	getFulfillmentsQueryRequestType	Input	See getFulfillmentsQueryRequestType.

Returns

A getFulfillmentsQueryResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentsQueryResponseDataType</td><td>See getFulfillmentsQueryResponseDataType.</td></tr>
</table>

Method: getHostAttributesFromLicenseTechnology

Description

The **getHostAttributesFromLicenseTechnology** operation takes a custom license technology and gives host attributes for the given technology in the response data. It is used to create a custom host when generating a license.

Parameters

Name	Type	Direction	Description
msgparameters	getHostAttributesRequestType	Input	See getHostAttributesRequestType.

Returns

A getHostAttributesResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getHostAttributesDataType</td><td>See getHostAttributesDataType.</td></tr>
</table>

Method: manualActivation

Description

The **manualActivation** operation takes a single trusted activation XML request as a string and generates a single trusted activation XML response as a string.

Parameters

Name	Type	Direction	Description
msgparameters	trustedRequestType	Input	See trustedRequestType.

Returns

A manualActivationResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>activationDataType</td><td>If the request was processed successfully, responseData contains an XML response string in an activationData element. This response is saved in a file and delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Method: manualRepair

Description

The **manualRepair** operation generates one manual trusted activation repair response.

Parameters

Name	Type	Direction	Description
msgparameters	trustedRequestType	Input	See trustedRequest Type.

Returns

A manualRepairResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>activationDataType</td><td>If the request was processed successfully, responseData contains an XML response string in an activationData element. This response is saved in a file and delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Method: manualReturn

Description

The **manualReturn** operation generates one trusted activation return response.

Parameters

Name	Type	Direction	Description
msgparameters	trustedRequestType	Input	See trustedRequestType.

Returns

A manualReturnResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
responseData	activationDataType	If the request was processed successfully, **responseData** contains an XML response string in an **activationData** element. This response is saved in a file and delivered back to the customer to enter into an activation utility.

Method: offlineFNPTrustedStorageActivation

Description

The **offlineFNPTrustedStorageActivation** operation generates one or more fulfillment responses, based on the contents of the offline activation request, and returns output that can be stored as a file for subsequent processing on the machine that originated the request. The operation takes one or many activation IDs and an XML structure that contains information about the state of trusted storage on a single host machine. The operation output is an XML structure containing the fulfillment that must be saved to a file and processed on the host machine.

Parameters

Name	Type	Direction	Description
msgparameters	activateLicensesRequestType	Input	See activateLicensesRequestType.

Returns

A activateLicensesResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLineItem</td><td>Information about an entitlement line item that failed to activate in the failedData element. failedLineItem contains a single activationID element as a string.</td></tr>
<tr><td>resultData</td><td>string</td><td>The XML response to be saved as a fulfillment response file.</td></tr>
</table>

Method: publisherErrorLicense

Description

The **publisherErrorLicense** operation generates a publisher error nodelocked or served certificate license for one or more fulfillments. To generate a publisher error license, there must be existing fulfillments in the database that are eligible for a publisher error license, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	publisherErrorFulfillmentRequestType	Input	

Returns

A publisherErrorLicenseResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	publisherErrorResponseDataType	See publisherErrorResponseDataType.
failedData	failedPublisherErrorResponselistDataType	See failedPublisherErrorResponselistDataType.

Method: rehostLicense

Description

The **rehostLicense** operation modifies the hostids of one or more fulfillments. To rehost a license, there must be existing fulfillments in the database that are eligible to be rehosted, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	rehostFulfillmentRequestType	Input	See rehostFulfillmentRequestType.

Returns

A rehostLicenseResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	rehostResponseDataType	Information about the fulfillments that were rehosted is listed in the **responseData** element. See rehostResponseDataType.
failedData	failedRehostResponselistDataType	Information about the fulfillments that were not rehosted is listed in the **failedData** element. See failedRehostResponselistDataType.

Method: renewFulfillment

Description

The **renewFulfillment** operation generates renewal licenses for one or more fulfillments. To renew a fulfillment, there must be an existing RENEWAL entitlement line item for the product licensed by the parent fulfillment

Parameters

Name	Type	Direction	Description
msgparameters	advancedFulfillmentLCRequestType	Input	See advancedFulfillmentLCRequestType.

Returns

A renewFulfillmentResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	advancedFmtLCResponseDataListType	Information about the fulfillments that were created is listed in the **responseData** element. See advancedFmtLCResponseDataListType.
failedData	failedAdvancedFmtLCResponseDataType	Information about the fulfillments that were not created is listed in the **failedData** element. See failedAdvancedFmtLCResponseDataType.

Method: repairLicense

Description

The **repairLicense** operation modifies editable parameters in fulfillments other than hostids. To repair a license, there must be existing fulfillments in the database that are eligible to be repaired, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	repairFulfillmentRequestType	Input	See repairFulfillmentRequestType.

Returns

A repairLicenseResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>repairResponseDataType</td><td>Information about the fulfillments that were repaired is listed in the responseData element. See repairResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedRepairResponselistDataType</td><td>Information about the fulfillments that were not repaired is listed in the failedData element. See failedRepairResponselistDataType.</td></tr>
</table>

Method: repairShortCode

Description

The **repairShortCode** operation generates one short code repair response.

Parameters

Name	Type	Direction	Description
msgparameters	repairShortCodeRequestType	Input	See repairShortCodeRequestType.

Returns

A repairShortCodeResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRepairShortCodeDataType</td><td>Information about a short code repair response that was not generated is listed in the failedData element. See failedRepairShortCodeDataType.</td></tr>
<tr><td>responseData</td><td>repairedShortCodeDataType</td><td>Information about a short code repair response that was generated is listed in the responseData element. responseData contains a shortCode repair response string. This response is delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Method: returnLicense

Description

The **returnLicense** operation returns one or more fulfillments. To return a license, there must be existing fulfillments in the database that are eligible to be returned, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	returnFulfillmentRequestType	Input	See returnFulfillmentRequestType.

Returns

A returnLicenseResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	returnResponseDataType	Information about the fulfillments that were returned is listed in the **responseData** element. For **returnLicense**, this data is only populated in the case of a partial return, not a successful one. See returnResponseDataType.
failedData	failedReturnResponselistDataType	Information about the fulfillments that were not returned is listed in the **failedData** element. See failedReturnResponselistDataType.

Method: returnShortCode

Description

The **returnShortCode** operation generates one short code return response.

Parameters

Name	Type	Direction	Description
msgparameters	returnShortCodeRequestType	Input	See returnShortCodeRequestType.

Returns

A returnShortCodeResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedReturnShortCodeDataType</td><td>Information about a short code return response that was not generated is listed in the failedData element. See failedReturnShortCodeDataType.</td></tr>
<tr><td>responseData</td><td>returnedShortCodeDataType</td><td>Information about a short code return response that was generated is listed in the responseData element. responseData contains a shortCode return response string. This response is delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Method: setLicense

Description

The **setLicense** operation sets the license text for one or more on-hold fulfillmentIDs for a manual custom license technology.

Parameters

Name	Type	Direction	Description
msgparameters	setLicenseRequestType	Input	See setLicenseRequestType.

Returns

A setLicenseResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedSetLicenseOnholdFulfillmentListType</td><td>Populated if setting the license failed. See failedSetLicenseOnholdFulfillmentListType.</td></tr>
</table>

Method: stopGapLicense

Description

The **stopGapLicense** operation generates a stop-gap nodelocked or served certificate license for one or more fulfillments. To generate a stop-gap license, there must be existing fulfillments in the database that are eligible for a stop-gap license, according to their license model policies.

Parameters

Name	Type	Direction	Description
msgparameters	stopGapFulfillmentRequestType	Input	

Returns

A stopGapLicenseResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	stopGapResponseDataType	See stopGapResponseDataType.
failedData	failedStopGapResponselistDataType	See failedStopGapResponselistDataType.

Method: transferHost

Description

The **transferHost** operation transfers active fulfillments from one or more hosts owned by one customer organization to another customer organization. When a host is transfered, line items that are the source of the fulfillments on that host are moved as well. The result of the move is to either create new entitlements for the target organization or to pool the line items—incrementing the counts of the target organization's existing (and matching) line items by the counts on the hosts' line items.

Parameters

Name	Type	Direction	Description
msgparameters	transferHostRequestType	Input	See transferHostRequestType.

Returns

A transferHostResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedTransferHostListDataType</td><td>Information about the line items that were not added is listed in the failedData element. See failedTransferHostListDataType.</td></tr>
</table>

Method: upgradeFulfillment

Description

The **upgradeFulfillment** operation generates upgrade licenses for one or more fulfillments. To upgrade a fulfillment, there must be an existing UPGRADE entitlement line item for the product licensed by the parent fulfillment.

Parameters

Name	Type	Direction	Description
msgparameters	advancedFulfillmentLCRequestType	Input	See advancedFulfillmentLCRequestType.

Returns

A upgradeFulfillmentResponse element having the structure defined by the following table.

Returns

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	advancedFmtLCResponseDataListType	Information about the fulfillments that were created is listed in the **responseData** element. See advancedFmtLCResponseDataListType.
failedData	failedAdvancedFmtLCResponseDataType	Information about the fulfillments that were not created is listed in the **failedData** element. See failedAdvancedFmtLCResponseDataType.

Method: upsellFulfillment

Description

The **upsellFulfillment** operation generates upsell licenses for one or more fulfillments. To upsell a fulfillment, there must be an existing UPSELL entitlement line item for the product licensed by the parent fulfillment.

Parameters

Name	Type	Direction	Description
msgparameters	advancedFulfillmentLCRequestType	Input	See advancedFulfillmentLCRequestType.

Returns

A upsellFulfillmentResponse element having the structure defined by the following table.

Returns

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>advancedFmtLCResponseDataListType</td><td>Information about the fulfillments that were created is listed in the responseData element. See advancedFmtLCResponseDataListType.</td></tr>
<tr><td>failedData</td><td>failedAdvancedFmtLCResponseDataType</td><td>Information about the fulfillments that were not created is listed in the failedData element. See failedAdvancedFmtLCResponseDataType.</td></tr>
</table>

Method: verifyCreateLicense

Description

The **verifyCreateLicense** operation checks whether licenses can be generated with the specified parameters, but does not generate fulfillment records. To use the License service to verify that licenses can be created:

- There must be test or deployed entitlements in the FlexNet Operations database.
- You must provide any fulfillment-time data that are required by the specified license model.

Parameters

Name	Type	Direction	Description
msgparameters	createFulfillmentRequestType	Input	See createFulfillmentRequestType.

Returns

A verifyCreateLicenseResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFulfillmentDataListType</td><td>Information about the licenses that were not verified is listed in the failedData element. See failedFulfillmentDataListType.</td></tr>
<tr><td>responseData</td><td>createdFulfillmentDataListType</td><td>Information about the licenses that were verified is listed in the responseData element. See createdFulfillmentDataListType.</td></tr>
</table>

Complex Types: LicenseService

Complex Types

Name
accountIdentifierType
accountPKType
accountTypeList
activateLicensesRequestType
activateLicensesResponseType
activateShortCodeRequestType
activateShortCodeResponseType
activationDataType
activationIdOverDraftMapType
activationIdsListType
addressDataType
advancedFmtLCResponseDataListType
advancedFmtLCResponseDataType
advancedFulfillmentLCDataType
advancedFulfillmentLCInfoType
advancedFulfillmentLCListType
advancedFulfillmentLCRequestType
advancedFulfillmentLCResponseType
attributeDescriptorDataType
attributeDescriptorType
attributeMetaDescriptorDataType
attributeMetaDescriptorType
commonBatchDataSetType
consolidatedFulfillmentsQPType
consolidatedLicenseDataType
consolidatedLicenseIdListType
consolidatedResponseDataType
consolidateFulfillmentsRequestType
consolidateFulfillmentsResponseType
correlationDataType
countDataSetType
countDataType
countForHostsType
createChildLineItemFulfillmentDataType

Complex Types

Name
createChildLineItemFulfillmentRequestType
createChildLineItemFulfillmentResponseType
createdChildLIFmtResponseDataType
createdChildLIFulfillmentDataType
createdChildLIFulfillmentInfoType
createdFulfillmentDataListType
createdFulfillmentDataType
createFulfillmentDataType
createFulfillmentRequestType
createFulfillmentResponseType
createLicensesAsBatchRequestType
createLicensesAsBatchResponseDataType
createLicensesAsBatchResponseType
createShortCodeDataType
customAttributeQueryType
customAttributesQueryListType
CustomHostIDType
deleteOnholdFulfillmentsRequestType
deleteOnholdFulfillmentsResponseType
Dictionary
DictionaryEntriesCollection
DictionaryEntry
duplicateFulfillmentRecordListDataType
DurationType
emailConsolidatedLicensesRequestType
emailConsolidatedLicensesResponseType
emailContactListType
emailLicenseRequestType
emailLicenseResponseType
emergencyFulfillmentDataType
emergencyFulfillmentRequestType
emergencyFulfillmentResponseDataType
emergencyFulfillmentResponseType
emergencyResponseDataType
entitledProductDataListType

Complex Types

Name
entitledProductDataType
entitlementIdentifierType
entitlementLineItemIdentifierType
failedAdvancedFmtLCDataType
failedAdvancedFmtLCResponseDataType
failedChildLIFmtResponseDataType
failedChildLIFulfillmentDataType
failedEmergencyResponseDataType
failedEmergencyResponselistDataType
failedFulfillmentDataListType
failedFulfillmentDataType
failedOnholdFulfillmentDataType
failedOnholdFulfillmentListType
failedPublisherErrorResponseDataType
failedPublisherErrorResponselistDataType
failedRehostResponseDataType
failedRehostResponselistDataType
failedRepairResponseDataType
failedRepairResponselistDataType
failedRepairShortCodeDataType
failedReturnResponseDataType
failedReturnResponselistDataType
failedReturnShortCodeDataType
failedSetLicenseOnholdFulfillmentDataType
failedSetLicenseOnholdFulfillmentListType
failedShortCodeDataType
failedStopGapResponseDataType
failedStopGapResponselistDataType
failedTransferHostDataType
failedTransferHostListDataType
featureBundleIdentifierType
featureBundlePKType
featureIdentifierType
featurePKType
fulfillmentDataType

Complex Types

Name
fulfillmentHistoryDataType
fulfillmentHistoryDetailsType
fulfillmentHistoryRecordType
fulfillmentIdentifierListType
fulfillmentIdentifierType
fulfillmentIdListType
fulfillmentPropertiesType
fulfillmentResponseConfigRequestType
fulfillmentsQueryParametersType
getConsolidatedFulfillmentCountRequestType
getConsolidatedFulfillmentCountResponseType
getConsolidatedFulfillmentsQueryRequestType
getConsolidatedFulfillmentsQueryResponseDataType
getConsolidatedFulfillmentsQueryResponseType
getFmtAttributesForBatchActivationRequestType
getFmtAttributesForBatchActivationResponseType
getFmtAttributesForBatchDataType
getFulfillmentAttributesDataType
getFulfillmentAttributesRequestType
getFulfillmentAttributesResponseType
getFulfillmentCountRequestType
getFulfillmentCountResponseDataType
getFulfillmentCountResponseType
getFulfillmentHistoryRequestType
getFulfillmentHistoryResponseType
getFulfillmentPropertiesRequestType
getFulfillmentPropertiesResponseType
getFulfillmentsQueryRequestType
getFulfillmentsQueryResponseDataType
getFulfillmentsQueryResponseType
getHostAttributesDataType
getHostAttributesRequestType
getHostAttributesResponseType
hostIdDataDetailsType
hostIdDataSetType

Complex Types

Name
hostIdDataType
hostIdDetailsType
hostTypePKType
licenseFileDataListType
licenseFileDataType
licenseGeneratorIdentifierType
licenseModelIdentifierType
licenseTechnologyIdentifierType
licenseTechnologyPKType
maintenanceIdentifierType
maintenancePKType
NodeIDsType
onHoldFmtLicenseDataType
onholdFulfillmentListType
organizationIdentifierType
organizationPKType
OrgTypeList
overDraftDataListType
partNumberIdentifierWithModelType
partNumberPKType
productIdentifierType
productIdentifierWithCountDataType
publisherAttributesListDataType
publisherErrorFulfillmentDataType
publisherErrorFulfillmentRequestType
publisherErrorFulfillmentResponseDataType
publisherErrorFulfillmentResponseType
publisherErrorResponseDataType
rehostFulfillmentDataType
rehostFulfillmentRequestType
rehostFulfillmentResponseDataType
rehostFulfillmentResponseType
rehostResponseDataType
repairFulfillmentDataType
repairFulfillmentRequestType

Complex Types

Name
repairFulfillmentResponseDataType
repairFulfillmentResponseType
repairResponseDataType
repairShortCodeDataType
repairShortCodeRequestType
repairShortCodeResponseType
returnFulfillmentDataType
returnFulfillmentRequestType
returnFulfillmentResponseDataType
returnFulfillmentResponseType
returnResponseDataType
returnShortCodeDataType
returnShortCodeRequestType
returnShortCodeResponseType
ServerIDsType
setLicenseRequestType
setLicenseResponseType
stopGapFulfillmentDataType
stopGapFulfillmentRequestType
stopGapFulfillmentResponseDataType
stopGapFulfillmentResponseType
stopGapResponseDataType
suiteIdentifierType
suitePKType
transferHostIdDataType
transferHostList
transferHostRequestType
transferHostResponseType
trustedRequestType
trustedResponseType
typeLineItem
verifiedFulfillmentDataType
versionDateAttributesType
VersionFormatQueryType

Complex Type: accountIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	
primaryKeys	accountPKType	0..1	

Complex Type: accountPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
id	string	1..1	

Complex Type: accountTypeList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
accountType	accountType	1..*	

Complex Type: activateLicensesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	typeLineItem	1..*	Required. See typeLineItem.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where licenses are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
soldTo	string	0..1	Optional. Provide a sold-to organization for the license if one is required. If specified for a web register key, soldTo sets the end customer organization in the entitlement that is created.
owner	string	0..1	Optional. Specifies the end customer contact. If specified for a web register key, owner sets the end customer contact in the entitlement that is created.
hostInfo	string	1..1	Required. An XML structure that is generated by an empty **–new** request from a v2 activation utility on the machine where the trusted fulfillment will be applied. For successful response processing, hostInfo must reflect the state of trusted storage on the host machine at the time the response is applied.

Referenced By

Name	Type
activateLicensesRequest	Element
offlineFNPTrustedStorageActivation	Method

Complex Type: activateLicensesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedLineItem	0..1	Information about an entitlement line item that failed to activate in the **failedData** element. failedLineItem contains a single activationID element as a string.
resultData	string	0..1	The XML response to be saved as a fulfillment response file.

Referenced By

Name	Type
activateLicensesResponse	Element

Complex Type: activateShortCodeRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	createShortCodeDataType	0..1	Required. An **activateShortCodeRequest** contains a single **shortCodeData** element. See createShortCodeDataType.

Referenced By

Name	Type
activateShortCodeRequest	Element
activateShortCode	Method

Complex Type: activateShortCodeResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedShortCodeDataType	0..1	Information about a short code response that was not generated is listed in the failedData element. See failedShortCodeDataType.
responseData	createdShortCodeDataType	0..1	Information about an short code response that was generated is listed in the **responseData** element. **responseData** contains a **shortCode** short code response string. This response is delivered back to the customer to enter into an activation utility.

Referenced By

Name	Type
activateShortCodeResponse	Element

Complex Type: activationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationData	string	1..1	Activation XML request. The XML request must be read from a file generated by an activation utility and passed in the web service request as a string.

Complex Type: activationIdOverDraftMapType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	String containing the activation ID of the activatable item.
overDraftAllowed	boolean	1..1	Indicates whether overdraft count is allowed to be specified for this activatable item.

Complex Type: activationIdsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
activationId	string	1..*	**activationIds** contains one or more **activationId** elements.

Complex Type: addressDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
address1	string	0..1	First line of address.
address2	string	0..1	Second line of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.
country	string	0..1	Country, in two-letter ISO-3166 code. If not provided, defaults to US.
region	string	0..1	Address region.

Complex Type: advancedFmtLCResponseDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	advancedFmtLCResponseDataType	1..*	**responseData** contains one or more **fulfillment** elements. See advancedFmtLCResponseDataType.

Complex Type: advancedFmtLCResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the request, starting at 1 (integer).
upgradedFulfillmentInfo	advancedFulfillmentLCInfoType	1..*	Fulfillment record of type advancedFulfillmentLCInfoType. See advancedFulfillmentLCInfoType.

Complex Type: advancedFulfillmentLCDataType

Description

This data type is used in the renewFulfillment, upgradeFulfillment, and upsellFulfillment operations, and the descriptions reflect its multiple uses.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentId	string	1..1	Required. The fulfillment ID of the fulfillment to renew (upgrade, upsell).
childActivationId	string	0..1	Required to identify the child line item to activate if the fulfillment has more than one RENEWAL (UPGRADE, UPSELL) child line item. Not needed if the fulfillment has exactly one RENEWAL (UPGRADE, UPSELL) child line item.
fulfillCount	integer	0..1	The seat count of the renewed (upgraded, upsold) fulfillment.
startDate	date	0..1	Required if not already set in the entitlement line item.

Content Model

Component	Type	Occurs	Description
versionDate	date	0..1	If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_DATE_LATER in the entitlement, set **versionDate** in this request. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionStartDate	date	0..1	If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_STARTDATE_LATER with a version date duration in the entitlement, set **versionStartDate** in this request. In a license, the version date is calculated and converted into the **Version Date Format** that is specified in the system configuration.
soldTo	string	0..1	Optional. Provide a sold-to organization for the license, for example, during the activation of a web register key. If not provided, the sold-to of the activation defaults to the sold-to of the entitlement.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
serverHost	ServerIDsType	0..1	Provide one or three license server machine hostids if a server hostid is required by the license model and the required hostids are not already defined in the parent fulfillment. See ServerIDsType.
nodeLockHost	string	0..1	Provide one node-locked hostid if the license model is a node-locked uncounted model and the required hostids are not already defined in the parent fulfillment.
countedNodeLockHostIds	NodeIDsType	0..1	Provide one or more node-locked hostids if the license model is a node-locked counted model and the required hostids are not already defined in the parent fulfillment. See NodeIDsType.
customHost	CustomHostIDType	0..1	Optional. See CustomHostIDType.
licenseModelAttributes	attributeDescriptorDataType	0..1	Any fulfillment-time attributes must be set before verifying that the license can be generated. See attributeDescriptorDataType.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for extra activations or hostids for this fulfillment.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: advancedFulfillmentLCInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the fulfillment.
fulfillmentId	string	1..1	Fulfillment ID of the fulfillment record created when this license was generated.
licenseText	string	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.

Complex Type: advancedFulfillmentLCListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	advancedFulfillmentLCDataType	1..*	Required. A **fulfillmentList** contains an array of **fulfillment** elements. See advancedFulfillmentLCDataType.

Complex Type: advancedFulfillmentLCRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentList	advancedFulfillmentLCListType	1..1	Required. An **renewFulfillmentRequest** contains an array of **fulfillmentList** elements. See advancedFulfillmentLCListType.

Referenced By

Name	Type
renewFulfillmentRequest	Element
upgradeFulfillmentRequest	Element
upsellFulfillmentRequest	Element
renewFulfillment	Method
upgradeFulfillment	Method
upsellFulfillment	Method

Complex Type: advancedFulfillmentLCResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>advancedFmtLCResponseDataListType</td><td>0..1</td><td>Information about the fulfillments that were created is listed in the responseData element. See advancedFmtLCResponseDataListType.</td></tr>
<tr><td>failedData</td><td>failedAdvancedFmtLCResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were not created is listed in the failedData element. See failedAdvancedFmtLCResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
renewFulfillmentResponse	Element
upgradeFulfillmentResponse	Element
upsellFulfillmentResponse	Element

Complex Type: attributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeDescriptorType	0..*	**attribute** contains a required string **attributeName** one attribute value. See attributeDescriptorType.

Complex Type: attributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the attribute.
CHOICE		1..1	
arrayValue	string	0..*	Array of string values of the attribute.
booleanValue	boolean	0..1	Boolean value of the attribute.
dateValue	date	0..1	Date value of the attribute.
integerValue	integer	0..1	Integer value of the attribute.
stringValue	string	0..1	String value of the attribute.

Complex Type: attributeMetaDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeMetaDescriptorType	0..*	**fulfillmentAttributes** contains one or more **attribute** elements. See attributeMetaDescriptorType.

Complex Type: attributeMetaDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the license model attribute.
attributeDataType	AttributeDataType	1..1	Returns one of the following: • TEXT • BOOLEAN • NUMBER • DATE • MULTI_VALUED_TEXT
namespace	string	1..1	Refers to the license technology on which the attribute is created.
validValues	valueType	0..1	**validValues** contains an array of **value** strings that represent valid values for a MULTI_VALUED_TEXT license model attribute.

Complex Type: commonBatchDataSetType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
startDate	date	0..1	Required if not already set in the entitlement line item.
versionDate	date	0..1	If any of the features in the products use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_DATE_LATER in the entitlement, set **versionDate** in this request. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionStartDate	date	0..1	If any of the features in the products use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_STARTDATE_LATER with a version date duration in the entitlement, set **versionStartDate** in this request. In a license, the version date is calculated and converted into the **Version Date Format** that is specified in the system configuration.
soldTo	string	0..1	Optional. Provide a sold-to organization for the license, for example, during the activation of web register keys. If not provided, the sold-to of the activation defaults to the sold-to of the entitlement.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
licenseModelAttributes	attributeDescriptorDataType	0..1	Any fulfillment-time attributes must be set before generating the licenses. See attributeDescriptorDataType.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for extra activations for any of these activation IDs, if the limit has been reached.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: consolidatedFulfillmentsQPType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

consolidatedLicenseId	SimpleQueryType	0..1	Optional. A **consolidatedLicenseId** element contains:
			• **value**—a string to match part or all of the consolidated license ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

fulfillmentId	SimpleQueryType	0..1	Optional. A **fulfillmentID** element contains:
			• **value**—a string to match part or all of the fulfillment ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

activationId	SimpleQueryType	0..1	Optional. An **activationId** element contains:
			• **value**—a string to match part or all of the activation ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

entitlementId	SimpleQueryType	0..1	Optional. An **entitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

soldTo	SimpleQueryType	0..1	Optional. A **soldTo** element contains:
			• **value**—a string to match part or all of the sold-to organization.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

criteria	SimpleQueryType	0..1	Optional. A **criteria** element contains:
			• **value**—a string to match part or all of the criterion used to consolidate the licenses.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

state	StateQueryType	0..1	Optional. A state **element** contains:
			• **value**—a StateType value of ACTIVE or OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: consolidatedLicenseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicenseId	string	1..1	ID of the consolidated license.

Content Model

Component	Type	Occurs	Description
licenseText	string	0..1	Text of this consolidated license certificate. Displayed in a query response if **includeLicenseText** in a query request is not set to false. Optional, if license is binary.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license.
soldTo	string	1..1	Organization that has the right to use this license.
criteria	string	1..1	The criterion used to consolidate licenses.
state	StateType	0..1	ACTIVE or OBSOLETE. Not applicable to create operation responses, only query operation responses.
consolidatedFulfillments	fulfillmentIdentifierListType	1..1	See fulfillmentIdentifierListType.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.

Complex Type: consolidatedLicenseIdListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicenseId	string	1..*	List of consolidated license IDs that identify which consolidated licenses to send as email attachments.

Complex Type: consolidatedResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicense	consolidatedLicenseDataType	1..*	See consolidatedLicenseDataType.

Complex Type: consolidateFulfillmentsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillments	fulfillmentIdentifierListType	1..1	Required. See fulfillmentIdentifierListType.

Referenced By

Name	Type
consolidateFulfillmentsRequest	Element
consolidateFulfillments	Method

Complex Type: consolidateFulfillmentsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>consolidatedResponseDataType</td><td>0..1</td><td>Information about the licenses that were generated is listed in the responseData element. See consolidatedResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
consolidateFulfillmentsResponse	Element
createLicensesAsBatchAndConsolidateResponse	Element

Complex Type: correlationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the correlation in the request, starting at 1 (string).
uniqueId	string	1..1	Unique database identifier of the correlation (string).

Complex Type: countDataSetType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
countData	countDataType	1..*	Required. See countDataType.

Complex Type: countDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Activation ID of activatable item.
countForHosts	countForHostsType	1..*	Required. See countForHostsType.

Complex Type: countForHostsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostDataRefId	string	1..1	Index of activatable item in **countData** element, starting with 1.
fulfillCount	integer	1..1	Seat count for this activatable item. Required for counted licenses.
overDraftCount	integer	0..1	Optional. Overdraft count for this activatable item.

Complex Type: createChildLineItemFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. The activation ID of the activatable item whose license being generated.
startDate	date	0..1	Required if not already set in the entitlement line item.
versionDate	date	0..1	Renewal only. If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_DATE_LATER in the entitlement, set **versionDate** in this request. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionStartDate	date	0..1	Renewal only. If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_STARTDATE_LATER with a version date duration in the entitlement, set **versionStartDate** in this request. In a license, the version date is calculated and converted into the **Version Date Format** that is specified in the system configuration.

Content Model

Component	Type	Occurs	Description
soldTo	string	0..1	Optional. Provide a sold-to organization for the license, for example, during the activation of a web register key. If not provided, the sold-to of the activation defaults to the sold-to of the entitlement.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
licenseModelAttributes	attributeDescriptorDataType	0..1	Any fulfillment-time attributes must be set before verifying that the license can be generated. See attributeDescriptorDataType.
hostIdDetails	hostIdDetailsType	1..1	Required. Specify fulfill count on each host. See hostIdDetailsType.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for extra activations or hostids for this activation ID.
owner	string	0..1	The userID of an existing user. Value is only required for web register key activations.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: createChildLineItemFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createChildLineItemFulfillmentDataType	1..*	Required. A **createChildLineItemFulfillmentRequest** contains an array of **fulfillment** elements. See createChildLineItemFulfillmentDataType.

Referenced By

Name	Type
createChildLineItemFulfillmentRequest	Element
createChildLineItemFulfillment	Method

Complex Type: createChildLineItemFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	createdChildLIFmtResponseDataType	0..1	Information about the fulfillments that were created is listed in the **responseData** element. See createdChildLIFmtResponseDataType.

Content Model

Component	Type	Occurs	Description
failedData	failedChildLIFmtResponseDataType	0..1	Information about the fulfillments that were not returned is listed in the **failedData** element. See failedChildLIFmtResponseDataType.

Referenced By

Name	Type
createChildLineItemFulfillmentResponse	Element

Complex Type: createdChildLIFmtResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createdChildLIFulfillmentDataType	1..*	**responseData** contains one or more **fulfillment** elements. See createdChildLIFulfillmentDataType.

Complex Type: createdChildLIFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the request, starting at 1 (integer).
fulfillmentInfo	createdChildLIFulfillmentInfoType	1..*	Fulfillment record of type createdChildLIFulfillmentInfoType. See createdChildLIFulfillmentInfoType.

Complex Type: createdChildLIFulfillmentInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	1..1	Unique database identifier of the fulfillment.
fulfillmentId	string	1..1	Fulfillment ID of the fulfillment record created when this license was generated.
licenseText	string	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.

Complex Type: createdFulfillmentDataListType

Description

Either **createdFulfillment** or **verifiedFulfillment**, not both, will be returned

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
createdFulfillment	createdFulfillmentDataType	0..*	Because this was a request to actually generate a license, **responseData** contains one or more **createdFulfillment** elements. See createdFulfillmentDataType.

Content Model

Component	Type	Occurs	Description
verifiedFulfillment	verifiedFulfillmentDataType	0..*	Because this was a request to verify that a license could be generated, **responseData** contains one or more **verifiedFulfillment** elements. See verifiedFulfillmentDataType.

Complex Type: createdFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the fulfillment in the request, starting at 1.
uniqueId	string	1..1	Unique database identifier of the fulfillment.
fulfillmentId	string	1..1	Fulfillment ID of the fulfillment record created when this license was generated.
licenseText	string	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.

Complex Type: createFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. The activation ID of the activatable item whose license is getting verified.
fulfillCount	integer	0..1	Specify the seat count for this activatable item, if required by the license model.
overDraftCount	integer	0..1	Specify if supported by the license model, subject to the overdraft ceiling and floor settings. If not specified, and a floor value is set and enough remains of the maximum overdraft count on the entitlement line item, the floor value is applied. See the *FlexNet Operations Online Help* for details.
startDate	date	0..1	Required if not set in the entitlement line item.
versionDate	date	0..1	If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_DATE_LATER in the entitlement, set **versionDate** in this request. In a license, this date is converted into the **Version Date Format** that is specified in the system configuration.
versionStartDate	date	0..1	Provide a sold-to organization for the license if one is required, for example, during the activation of a web register key.If any of the features in the product use date-based versions and **versionDateAttributes** is set to DEFINE_VERSION_STARTDATE_LATER with a version date **duration** in the entitlement, set **versionStartDate** in this request. In a license, the version date is calculated and converted into the **Version Date Format** that is specified in the system configuration.
soldTo	string	0..1	Provide a sold-to organization for the license if one is required, for example, during the activation of a web register key.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where license certificates are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
serverIds	ServerIDsType	0..1	Provide one or three license server machine hostids if a server hostid is required by the license model. See ServerIDsType.
nodeIds	NodeIDsType	0..1	Provide one or more node-locked hostids if a node-locked hostid is required by the license model. See NodeIDsType.
customHost	CustomHostIDType	0..1	Optional. See customHostIDType.
licenseModelAttributes	attributeDescriptorDataType	0..1	Any fulfillment-time attributes must be set before verifying that the license can be generated. See attributeDescriptorDataType.

Content Model

Component	Type	Occurs	Description
overridePolicy	boolean	0..1	Optional. Whether to override the policy for extra activations for this activation ID, if the limit has been reached.
owner	string	0..1	The userID of an existing user. Value is only required for web register key activations.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: createFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createFulfillmentDataType	1..*	Required. A **createFulfillmentRequest** contains an array of **fulfillment** elements to be verified. See createFulfillmentDataType.

Referenced By

Name	Type
createLicenseRequest	Element
verifyCreateLicenseRequest	Element
createLicense	Method
verifyCreateLicense	Method

Complex Type: createFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were not verified is listed in the failedData element. See failedFulfillmentDataListType.</td></tr>
<tr><td>responseData</td><td>createdFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were verified is listed in the responseData element. See createdFulfillmentDataListType.</td></tr>
</table>

Referenced By

Name	Type
createLicenseResponse	Element
verifyCreateLicenseResponse	Element

Complex Type: createLicensesAsBatchRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIds	activationIdsListType	1..1	Required. See activationIdsListType.
hostIdDataSet	hostIdDataSetType	1..1	Required. See hostIdDataSetType.
countDataSet	countDataSetType	0..1	See countDataSetType.
commonBatchDataSet	commonBatchDataSetType	1..1	See commonBatchDataSetType.

Referenced By

Name	Type
createLicensesAsBatchAndConsolidateRequest	Element
createLicensesAsBatchRequest	Element
createLicensesAsBatch	Method
createLicensesAsBatchAndConsolidate	Method

Complex Type: createLicensesAsBatchResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	fulfillmentDataType	1..*	See Complex+Types.LicenseService#tns:fulfillmentDataType fulfillmentDataType.

Complex Type: createLicensesAsBatchResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createLicensesAsBatchResponseDataType</td><td>0..1</td><td>Information about the licenses that were generated is listed in the responseData element. See createLicensesAsBatchResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
createLicensesAsBatchResponse	Element

Complex Type: createShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
bulkEntitlementId	string	0..1	Needed if the specified web register key has not already been loaded into the bulk entitlement.
webRegkey	string	1..1	Required. Web register key (also known as activation ID in FlexNet Operations; entitlement ID in FlexNet Licensing) that is loaded into or will be dynamically loaded into the bulk entitlement associated with the short code ASR.
shortCode	string	1..1	Required. The short code is generated by an activation utility at the customer site and is delivered to the publisher.
publisherAttributes	publisherAttributesListDataType	0..1	Activation clients can send fulfillment time attributes along with the short code and the activation ID. See the documentation for custom policy attributes (getPublisherSpecificData() method) and see publisherAttributesListDataType.
overridePolicy	boolean	0..1	Optional. Set to true if a policy should be overridden that might prevent the generation of this short code data.
shortCodeActivationType	ShortCodeActivationType	0..1	Optional. Overrides the default activation behavior. If you set the value to REINSTALL the fulfillment (reinstallFulfillment) consumes no additional counts. If you set the value to REACTIVATE additional counts are consumed.
reinstallFulfillment	fulfillmentIdentifierType	0..1	Optional. If you specify a shortCodeActivationType of REINSTALL, provide a value for reinstallFulfillment to identify the fulfillment. See fulfillmentIdentifierType.

Complex Type: customAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	The name of the custom attribute.
CHOICE		1..1	
booleanValue	boolean	0..1	Optional. Depending on the attribute type, set either stringValue or numberValue or booleanValue. Set to true or false if the custom attribute is of type boolean.

dateValue	DateQueryType	0..1	Optional. A **dateValue** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—one of the following DateQueryType values:
			  • BEFORE
			  • AFTER
			  • ON

numberValue	NumberQueryType	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**. A **numberValue** element contains:
			• **value**—an integer number to match part or all of the custom attribute value.
			• **searchType**—one of the following NumberQueryType values:
			  • GREATER_THAN
			  • GREATER_THAN_EQUALS
			  • LESS_THAN
			  • LESS_THAN_EQUALS
			  • EQUALS
			  • NOT_EQUALS

Content Model

Component	Type	Occurs	Description

stringValue	SimpleQueryType	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**. A **stringValue** element contains:
			• **value**—a string to match part or all of the custom attribute value.
			• **searchType**—one of the following SimpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: customAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeQueryType	0..*	The **attributeName**. See customAttributeQueryType.

Complex Type: CustomHostIDType

Description

Either pass in a fully formed custom hostid in the <hostId> element (for example, HID-customHA=3, for the sample custom hostid generator), or pass in custom host attribute values. The fully formed hostid can be passed in only if it has already been used in a previous license (and would appear in the Use Existing Hostid selection in the Administrative Console). Otherwise, pass in the host attribute values.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostId	string	0..1	Host ID.
hostAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
hostType	hostTypePKType	0..1	See hostTypePKType.

Complex Type: deleteOnholdFulfillmentsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdList	fulfillmentIdListType	1..1	See fulfillmentIdListType.

Referenced By

Name	Type
deleteOnholdFulfillmentsRequest	Element
deleteOnholdFulfillments	Method

Complex Type: deleteOnholdFulfillmentsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedOnholdFulfillmentListType</td><td>0..1</td><td>See failedOnholdFulfillmentListType.</td></tr>
</table>

Referenced By

Name	Type
deleteOnholdFulfillmentsResponse	Element

Complex Type: Dictionary

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Entries	DictionaryEntriesCollection	0..1	Required. One or more DictionaryEntries, each mapping to a fulfillment-time attribute (either FlexNet or custom license attribute). See DictionaryEntriesCollection.

Complex Type: DictionaryEntriesCollection

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Entry	DictionaryEntry	1..*	Required. A key/value pair for a fulfillment-time attribute (either FlexNet or custom license attributes). See DictionaryEntry.

Complex Type: DictionaryEntry

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Key	NonEmptyString	1..1	Values for fulfillment-time FlexNet and custom license attributes.

Content Model

Component	Type	Occurs	Description
Value	string	1..1	The value associated with Key. For multi-value attributes, pass the values as a comma-separated string enclosed in single quotes. Requests submitted through soapUI, for example, require a construction like: **'value1,value2'** If the value of a multi-value attribute consists of only a single value, you must still enclose it in single quotes.

Complex Type: duplicateFulfillmentRecordListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	fulfillmentIdentifierType	1..*	Existing duplicate fulfillment records. See fulfillmentIdentifierType.

Complex Type: DurationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
numDuration	integer	1..1	Required. Specify the number of units of time, for example, 10, for a duration of 10 **DurationUnit**.

Content Model

Component	Type	Occurs	Description
durationUnit	DurationUnit	1..1	Required. Specify one of the following units of time: • DAYS • WEEKS • MONTHS • YEARS

Complex Type: emailConsolidatedLicensesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicenseIdList	consolidatedLicenseIdListType	1..1	Required. An **emailConsolidatedLicenseRequest** contains a **consolidatedLicenseIdList** element identifying the licenses to be emailed. See consolidatedLicenseIdListType.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false.
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the consolidated license email template. If the locale is valid and an email template has been configured for that locale, the localized template is used to send the email.

Referenced By

Name	Type
emailConsolidatedLicensesRequest	Element
emailConsolidatedLicenses	Method

Complex Type: emailConsolidatedLicensesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
emailConsolidatedLicensesResponse	Element

Complex Type: emailContactListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
emailId	string	0..*	List of email addresses to which to send license certificate.

Complex Type: emailLicenseRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Required. An **emailLicenseRequest** contains a **fulfillmentIdentifier** element identifying the license to be emailed. See FulfillmentIdentifierType.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false.
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the license email template. If the locale is valid and an email template has been configured for that locale, the localized template is used to send the email.

Referenced By

Name	Type
emailLicenseRequest	Element

Referenced By

Name	Type
emailLicense	Method

Complex Type: emailLicenseResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.
reason	string	Gives reason for partial failure or failure.

Referenced By

Name	Type
emailLicenseResponse	Element

Complex Type: emergencyFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	See fulfillmentIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
startDate	date	1..1	Required. Date that the license starts.
endDate	date	1..1	Required. Date that the license ends.
shipToEmail	string	0..1	Optional. Email address of a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address of the sold-to organization.
serverIds	ServerIDsType	0..1	See ServerIDsType.
nodeIds	NodeIDsType	0..1	See NodeIDsType.
customHost	CustomHostIDType	0..1	See CustomHostIDType.

Complex Type: emergencyFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	emergencyFulfillmentDataType	1..*	See failedEmergencyResponselistDataType.

Referenced By

Name	Type
emergencyLicenseRequest	Element
emergencyLicense	Method

Complex Type: emergencyFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the emergency license request, starting at 1.
fulfillment	fulfillmentDataType	0..1	See fulfillmentDataType.

Complex Type: emergencyFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	emergencyResponseDataType	0..1	See emergencyResponseDataType.
failedData	failedEmergencyResponselistDataType	0..1	See failedEmergencyResponselistDataType.

Referenced By

Name	Type
emergencyLicenseResponse	Element

Complex Type: emergencyResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentData	emergencyFulfillmentResponseDataType	0..*	See emergencyFulfillmentResponseDataType.

Complex Type: entitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitledProduct	entitledProductDataType	0..*	See entitledProductDataType.

Complex Type: entitledProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productIdentifierType	0..1	See productIdentifierType.
quantity	integer	1..1	Quantity per copy of the line item. This is a multiplier to the number of copies. If one copy of the line item is fulfilled, this many copies of the entitled product will be fulfilled.

Complex Type: entitlementIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the entitlement.
primaryKeys	entitlementPKType	0..1	Database primary key of the entitlement—string containing the **entitlementId** of the entitlement.

Complex Type: entitlementLineItemIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the entitlement line item.
primaryKeys	entitlementLineItemPKType	0..1	Database primary key of the entitlement line item—string containing the **activationId** of the entitlement line item.

Complex Type: failedAdvancedFmtLCDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	advancedFulfillmentLCDataType	1..1	See advancedFulfillmentLCDataType.
reason	string	1..1	String containing the reason the fulfillment was not created.

Complex Type: failedAdvancedFmtLCResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedFulfillment	failedAdvancedFmtLCDataType	1..*	**failedData** contains one or more **failedFulfillment** elements. See failedAdvancedFmtLCDataType.

Complex Type: failedChildLIFmtResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedChildLIFulfillmentDataType	1..*	**failedData** contains one or more **failedFulfillment** elements. See failedChildLIFulfillmentDataType.

Complex Type: failedChildLIFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createChildLineItemFulfillmentDataType	1..1	See createChildLineItemFulfillmentDataType.
reason	string	1..1	String containing the reason the fulfillment was not created.

Complex Type: failedEmergencyResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	emergencyFulfillmentDataType	1..1	See emergencyFulfillmentDataType.
reason	string	1..1	Reason for the failure.

Complex Type: failedEmergencyResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedEmergencyResponseDataType	0..*	See failedEmergencyResponseDataType.

Complex Type: failedFulfillmentDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedFulfillmentDataType	0..*	**failedData** contains one or more **failedFulfillment** elements. See failedFulfillmentDataType.

Complex Type: failedFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createFulfillmentDataType	1..1	See createFulfillmentDataType.
reason	string	1..1	String containing the reason the license was not verified.

Complex Type: failedOnholdFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	See fulfillmentIdentifierType.
reason	string	1..1	Reason why the delete failed.

Complex Type: failedOnholdFulfillmentListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedOnholdFulfillmentDataType	1..*	See failedOnholdFulfillmentDataType.

Complex Type: failedPublisherErrorResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	publisherErrorFulfillmentDataType	1..1	See publisherErrorFulfillmentDataType.
reason	string	1..1	Reason for failure.

Complex Type: failedPublisherErrorResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedPublisherErrorResponseDataType	0..*	See failedPublisherErrorResponseDataType.

Complex Type: failedRehostResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
fulfillment	rehostFulfillmentDataType	1..1	See rehostFulfillmentDataType.
reason	string	1..1	String containing the reason the fulfillment was not rehosted.

Complex Type: failedRehostResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedRehostResponseDataType	0..*	**failedData** contains one or more **failedFulfillment** elements. See failedRehostResponseDataType.

Complex Type: failedRepairResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	repairFulfillmentDataType	1..1	See repairFulfillmentDataType.
reason	string	1..1	String containing the reason the fulfillment was not repaired.

Complex Type: failedRepairResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedRepairResponseDataType	0..*	**failedData** contains one or more **failedFulfillment** elements. See failedRepairResponseDataType.

Complex Type: failedRepairShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	repairShortCodeDataType	1..1	See repairShortCodeDataType.
reason	string	1..1	String containing the reason the short code response was not generated.

Complex Type: failedReturnResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	returnFulfillmentDataType	1..1	See returnFulfillmentDataType.

Content Model

Component	Type	Occurs	Description
reason	string	1..1	String containing the reason the fulfillment was not returned.

Complex Type: failedReturnResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedReturnResponseDataType	0..*	**failedData** contains one or more **failedFulfillment** elements. See failedReturnResponseDataType.

Complex Type: failedReturnShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	returnShortCodeDataType	1..1	See returnShortCodeDataType.
reason	string	1..1	String containing the reason the short code response was not generated.

Complex Type: failedSetLicenseOnholdFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
onholdFmtLicenseData	onHoldFmtLicenseDataType	1..1	See onholdFmtLicenseDataType.
reason	string	1..1	Reason why the fulfillment is on hold.

Complex Type: failedSetLicenseOnholdFulfillmentListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFmtData	failedSetLicenseOnholdFulfillmentDataType	1..*	See failedSetLicenseOnholdFulfillmentDataType.

Complex Type: failedShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	createShortCodeDataType	1..1	See createShortCodeDataType.
reason	string	1..1	String containing the reason the short code response was not generated.
duplicateFulfillmentRecords	duplicateFulfillmentRecordListDataType	0..1	Optional. See duplicateFulfillmentRecordListDataType.

Complex Type: failedStopGapResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	stopGapFulfillmentDataType	1..1	See stopGapFulfillmentDataType.
reason	string	1..1	Reason for the failure.

Complex Type: failedStopGapResponselistDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedFulfillment	failedStopGapResponseDataType	0..*	See failedStopGapResponseDataType.

Complex Type: failedTransferHostDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	transferHostIdDataType	0..1	See transferHostIdDataType.

Content Model

Component	Type	Occurs	Description
reason	string	0..1	String containing the reason the host was not transferred.

Complex Type: failedTransferHostListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedHost	failedTransferHostDataType	0..*	**failedData** contains one or more **failedHost** elements. See failedTransferHosttDataType.

Complex Type: featureBundleIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature bundle.
primaryKeys	featureBundlePKType	0..1	Database primary key of the feature bundle—a string containing the **name** of the feature bundle.

Complex Type: featureBundlePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the feature bundle.

Complex Type: featureIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature.
primaryKeys	featurePKType	0..1	Database primary keys of the feature—strings containing **name** and, if the feature version format is FIXED, the **version** of the feature. If the feature version format is DATE_BASED, specify only **name**.

Complex Type: featurePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the feature.
version	string	0..1	Version of the feature.

Complex Type: fulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitlementIdentifier	entitlementIdentifierType	1..1	See entitlementIdentifierType.
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Fulfillment ID of the fulfillment record created when this license was generated. See fulfillmentIdentifierType.
fulfillmentType	string	1..1	CERTIFICATE or TRUSTED.
lineItem	entitlementLineItemIdentifierType	1..1	See entitlementLineItemIdentifierType.
product	productIdentifierType	1..1	See productIdentifierType.
soldTo	string	1..1	Organization that has the right to use this license.
shipToEmail	string	0..1	Email address for a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Postal address for the sold-to organization.
serverIds	ServerIDsType	0..1	One or three license server machine hostids if a server hostid is required by the license model. See ServerIDsType.
nodeIds	NodeIDsType	0..1	One or more node-locked hostids if a node-locked hostid is required by the license model. See NodeIDsType.
customHost	CustomHostIDType	0..1	See CustomHostIDType.
fulfilledCount	string	1..1	The count in this fulfillment.
overDraftCount	string	1..1	Number of checkouts over the fulfill count that this license allows.
fulfillDate	date	1..1	Date that the license was generated.
fulfillDateTime	dateTime	1..1	Date and time that the license was generated.
isPermanent	boolean	1..1	Whether the license is permanent or expiring.
startDate	date	0..1	Date that the license begins to be valid.
expirationDate	date	0..1	Date that the license expires.
licenseText	string	0..1	Returned if **includeLicenseText** in the request is not set to false. Text of the license certificate for this fulfillment.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license.
consolidatedHostLicense	consolidatedHostLicenseDataType	0..1	Returned if **includeConsolidatedHostLicense** in the request is not set to false. **consolidatedHostLicense** contains an array of **license** elements.

Content Model

Component	Type	Occurs	Description
supportAction	SupportLicenseType	0..1	One of the following: • MASTER • REHOST • RETURN • REPAIR • STOPGAP • EMERGENCY • PUBLISHER_ERROR • REGENERATE
lastModifiedDateTime	dateTime	1..1	Date and time that the license was last modified.
parentFulfillmentId	fulfillmentIdentifierType	0..1	Fulfillment ID of the parent of this fulfillment, if this fulfillment is the result of a support action. See fulfillmentIdentifierType.
licenseTechnology	licenseTechnologyIdentifierType	0..1	License technology of the product. See licenseTechnologyIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	License model attribute. See Complex+Types.LicenseService#tns:attributeDescriptorDataType attributeDescriptorDataType.
state	StateType	0..1	ACTIVE or OBSOLETE.
fulfillmentSource	FulfillmentSourceType	0..1	The fulfillment source type. See FulfillmentSourceType.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
activationType	ActivationType	0..1	The trusted activation type. See ActivationType.

Complex Type: fulfillmentHistoryDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Activation ID of the activatable item whose fulfillment history is requested.
historyDetails	fulfillmentHistoryDetailsType	1..1	See fulfillmentHistoryDetailsType.

Complex Type: fulfillmentHistoryDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
record	fulfillmentHistoryRecordType	1..*	See fulfillmentHistoryRecordType.

Complex Type: fulfillmentHistoryRecordType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentId	string	1..1	ID of a fulfillment generated from the requested activation ID.
action	string	1..1	Type of fulfillment or support action that was taken on this fulfillment.
actionDate	date	1..1	Date on which the fulfillment or support action was performed.

Content Model

Component	Type	Occurs	Description
actionDateTime	dateTime	1..1	Date and time at which the fulfillment or support action was performed. (Valid only for FlexNet Operations 8.3.0.3 and later.)
actionPerformedBy	string	1..1	User name of the user who performed the fulfillment or support action.
isPolicyOverridden	boolean	1..1	Whether this fulfillment or support action required the user to override any policies in order to generate the fulfillment.
count	integer	1..1	Seat count of the fulfillment.
fulfillmentSource	string	1..1	Through which path the fulfillment was generated: • APPLICATION (through the publisher or portal UI) • LEGACY (imported legacy fulfillments) • ONLINE (through web services)

Complex Type: fulfillmentIdentifierListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..*	See fulfillmentIdentifierType.

Complex Type: fulfillmentIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the fulfillment, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the fulfillment.
primaryKeys	fulfillmentPKType	0..1	Database primary key of the fulfillment—a string containing the **fulfillmentID**.

Complex Type: fulfillmentIdListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..*	See fulfillmentIdentifierType.

Complex Type: fulfillmentPropertiesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentId	fulfillmentIdentifierType	0..1	Fulfillment ID. See fulfillmentIdentifierType.
fulfillmentType	string	0..1	CERTIFICATE or TRUSTED.
state	StateType	0..1	ACTIVE or OBSOLETE.
entitlementId	entitlementIdentifierType	0..1	See entitlementIdentifierType.
lineitemId	entitlementLineItemIdentifierType	0..1	See entitlementLineItemIdentifierType.
product	productIdentifierType	0..1	Product. See productIdentifierType.

Content Model

Component	Type	Occurs	Description
productDescription	string	0..1	Brief description of product.
partNumber	partNumberIdentifierType	0..1	Part number.
partNumberDescription	string	0..1	Brief description of part number.
licenseTechnology	licenseTechnologyIdentifierType	0..1	License technology. See licenseTechnologyIdentifierType.
licenseModel	licenseModelIdentifierType	0..1	License model. See licenseModelIdentifierType.
soldTo	organizationIdentifierType	0..1	Organization to which the license was sold.
soldToDisplayName	string	0..1	Brief name of the organization.
shipToEmail	string	0..1	Email address of the organization.
shipToAddress	string	0..1	Physical address of the organization.
licenseHost	string	0..1	The server host or hosts in a counted license, or the nodelock host in a nodelocked uncounted or custom host. (This operation does not return the nodelocked hosts of a nodelocked counted license.)
fulfilledCount	integer	0..1	Number of fulfilled copies.
overDraftCount	integer	0..1	Amount of overdraft count allocated using this fulfillment record.
fulfillDate	date	0..1	The date when this fulfillment record was activated.
fulfillDateTime	dateTime	0..1	The date and time when this fulfillment record was activated.
isPermanent	boolean	0..1	Does the license expire?
startDate	date	0..1	Start date of the license.
expirationDate	date	0..1	Expiration date of the license.
versionDate	date	0..1	Version date, if any defined for this fulfillment record.
licenseFileType	string	0..1	TEXT or BINARY.
licenseText	string	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
supportAction	SupportLicenseType	0..1	Indicates the latest license lifecycle activity performed on a fulfillment record - MASTER (activated), RETURNED (Returned) and so on.
lastModifiedDateTime	dateTime	0..1	Date on which the license was last modified.
parentFulfillmentId	fulfillmentIdentifierType	0..1	Parent fulfillment identifier, if any. This is usually set if the fulfillment record was generated as an upgrade of another fulfillment record. See fulfillmentIdentifierType.

Content Model

Component	Type	Occurs	Description
fulfillmentSource	FulfillmentSourceType	0..1	Indicates how a particular fulfillment record was generated. See FulfillmentSourceType
orderId	string	0..1	Order ID.
orderLineNumber	string	0..1	Order line number.
lineitemDescription	string	0..1	Brief description of the line item.
totalCopies	integer	0..1	Number of copies originally purchased using the line item.
numberOfRemainingCopies	integer	0..1	Number of remaining copies on the line item.
isTrusted	boolean	0..1	True, for fulfillment records generated using trusted storage licensing.
customAttributes	attributeDescriptorDataType	0..1	Custom attributes associated with the license. See attributeDescriptorDataType.
customHostAttributes	attributeDescriptorDataType	0..1	Custom host attributes associated with the license. See attributeDescriptorDataType.
migrationId	string	0..1	Optional. An ID that can be used to track fulfillments imported from a legacy system.
vendorDaemonName	string	0..1	Name of the vendor daemon used to generate this fulfillment record.
licenseFiles	licenseFileDataListType	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
activationType	ActivationType	0..1	The trusted activation type. See ActivationType.

Complex Type: fulfillmentResponseConfigRequestType

Description

If true, that element will be included in the response.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentId	boolean	0..1	Fulfillment ID.
fulfillmentType	boolean	0..1	CERTIFICATE or TRUSTED.
state	boolean	0..1	ACTIVE or OBSOLETE.
entitlementId	boolean	0..1	Entitlement ID.
lineitemId	boolean	0..1	Line item ID.
product	boolean	0..1	Product.
productDescription	boolean	0..1	Brief description of product.
partNumber	boolean	0..1	Part number.
partNumberDescription	boolean	0..1	Brief description of part number.
licenseTechnology	boolean	0..1	License technology.
licenseModel	boolean	0..1	License model.
soldTo	boolean	0..1	Organization to which the license was sold.
soldToDisplayName	boolean	0..1	Brief name of the organization.
shipToEmail	boolean	0..1	Email address of the organization.
shipToAddress	boolean	0..1	Physical address of the organization.
licenseHost	boolean	0..1	Host on which the license is deployed.
fulfilledCount	boolean	0..1	Number of fulfilled copies.
overDraftCount	boolean	0..1	Amount of overdraft count allocated using this fulfillment record.
fulfillDate	boolean	0..1	The date when this fulfillment record was activated.
fulfillDateTime	boolean	0..1	The date and time when this fulfillment record was activated.
isPermanent	boolean	0..1	Does the license expire?
startDate	boolean	0..1	Start date of the license.
expirationDate	boolean	0..1	Expiration date of the license.
versionDate	boolean	0..1	Version date, if any defined for this fulfillment record.
licenseFileType	boolean	0..1	TEXT or BINARY.
licenseText	boolean	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	boolean	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
supportAction	boolean	0..1	Indicates the latest license lifecycle activity performed on a fulfillment record - MASTER (activated), RETURNED (Returned) and so on.

Content Model

Component	Type	Occurs	Description
lastModifiedDateTime	boolean	0..1	Date on which the license was last modified.
parentFulfillmentId	boolean	0..1	Parent fulfillment identifier, if any. This is usually set if the fulfillment record was generated as an upgrade of another fulfillment record.
fulfillmentSource	boolean	0..1	Indicates how a particular fulfillment record was generated - online (from web services) or Application (from the Admin Console).
orderId	boolean	0..1	Order ID.
orderLineNumber	boolean	0..1	Order line number.
lineitemDescription	boolean	0..1	Brief description of the line item.
totalCopies	boolean	0..1	Number of copies originally purchased using the line item.
numberOfRemainingCopies	boolean	0..1	Number of remaining copies on the line item.
isTrusted	boolean	0..1	True, for fulfillment records generated using trusted storage licensing.
customAttributes	customAttributeDescriptorDataType	0..1	Custom attributes associated with the license.
customHostAttributes	customAttributeDescriptorDataType	0..1	Custom host attributes associated with the license.
migrationId	boolean	0..1	Display the migration ID. TRUE or FALSE.
vendorDaemonName	boolean	0..1	Name of the vendor daemon used to generate this fulfillment record.
licenseFiles	boolean	0..1	Contains one or more licenseFile elements that contain the license file definition name and the contents of the license file, as text or binary. See licenseFileDataListType.
FNPTimeZoneValue	boolean	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
activationType	boolean	0..1	The activation type of the fulfillment.

Complex Type: fulfillmentsQueryParametersType

Description

Specify the elements needed to construct your query.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

entitlementId	SimpleQueryType	0..1	Optional. An **entitlementId** element contains:
			• **value**—a string to match part or all of the entitlement ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

activationId	SimpleQueryType	0..1	Optional. An **activationId** element contains:
			• **value**—a string to match part or all of the activationId.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

fulfillmentId	SimpleQueryType	0..1	Optional. A **fulfillmentID** element contains:
			• **value**—a string to match part or all of the fulfillment ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

product	SimpleQueryType	0..1	Optional. A **product** element contains:
			• **value**—a string to match part or all of the product name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

hostId	SimpleQueryType	0..1	Optional. A **hostId** element contains:
			• **value**—a string to match part or all of any of the server or node-locked hostids.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

nodeLockHostId	SimpleQueryType	0..1	Optional. A **nodeLockHostId** contains:
			• **value**—a string to match all or part of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

soldTo	SimpleQueryType	0..1	Optional. A **soldTo** element contains:
			• **value**—a string to match part or all of the sold-to organization.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

fulfillDate	DateQueryType	0..1	Optional. A **fulfillDate** element contains:
			• **value**—a date value to compare to the fulfill date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

fulfillDateTime	DateTimeQueryType	0..1	Optional. A **fulfillDateTime** element contains:
			• **value**—a date and time value to compare to the fulfill date and time value.
			• **searchType**—one of the following dateSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

Content Model

Component	Type	Occurs	Description

startDate	DateQueryType	0..1	Optional. A **startDate** element contains:
			• **value**—a date value to compare to the start date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

expirationDate	DateQueryType	0..1	Optional. A **expirationDate** element contains:
			• **value**—a date value to compare to the expiration date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

lastModifiedDateTime	DateTimeQueryType	0..1	Optional. A **lastModifiedDateTime** element contains:
			• **value**—a date and time value to compare to the last modified date and time value.
			• **searchType**—which is one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON
			• Valid only for FlexNet Operations 8.3.0.3 and later.

Content Model

Component	Type	Occurs	Description

state	StateQueryType	0..1	Optional. A **state** element contains:
			• **value**—a StateType value of ACTIVE, ON_HOLD or OBSOLETE to match part or all of the state value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

licenseTechnology	SimpleQueryType	0..1	Optional. A **licenseTechnology** element contains:
			• **value**—a string to match part or all of the license technology.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

userId	string	0..1	Optional. Set to the user name (login) of a portal user to return the fulfillments that this user can see if logged in to the portal UI.
fulfillmentSource	FulfillmentSourceType	0..1	See FulfillmentSourceType.
customAttributes	customAttributesQueryListType	0..1	See customAttributeQueryListType.
customHostAttributes	customAttributesQueryListType	0..1	See customAttributeQueryListType.
activationType	ActivationType	0..1	See ActivationType.

Complex Type: getConsolidatedFulfillmentCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	consolidatedFulfillments QPType	0..1	Required. See consolidatedFulfillmentsQPType. Leave this element blank to return all consolidated fulfillments.

Referenced By

Name	Type
getConsolidatedFulfillmentCountRequest	Element
getConsolidatedFulfillmentCount	Method

Complex Type: getConsolidatedFulfillmentCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getConsolidatedFulfillmentCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getConsolidatedFulfillmentCountResponse	Element

Complex Type: getConsolidatedFulfillmentsQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	consolidatedFulfillmentsQPType	0..1	Required. See consolidatedFulfillmentsQPType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getConsolidatedFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
includeLicenseText	boolean	0..1	Optional. Whether to include the entire text of the consolidated license(s) in the response. Default is true.

Referenced By

Name	Type
getConsolidatedFulfillmentsQueryRequest	Element
getConsolidatedFulfillmentsQuery	Method

Complex Type: getConsolidatedFulfillmentsQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicense	consolidatedLicenseDataType	0..*	See consolidatedLicenseDataType.

Complex Type: getConsolidatedFulfillmentsQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Types</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getConsolidatedFulfillmentsQueryResponseDataType</td><td>0..1</td><td>See getConsolidatedFulfillmentsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getConsolidatedFulfillmentsQueryResponse	Element

Complex Type: getFmtAttributesForBatchActivationRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIds	activationIdsListType	1..1	Required. A **getFmtAttributesForBatchActivationRequest** contains an **activationIds** element identifying the activation IDs whose fulfillment-time attributes to return. See activationIdsListType.

Referenced By

Name	Type
getFmtAttributesForBatchActivationRequest	Element
getFulfillmentAttributesForBatchActivation	Method

Complex Type: getFmtAttributesForBatchActivationResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFmtAttributesForBatchDataType</td><td>0..1</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFmtAttributesForBatchDataType.</td></tr>
</table>

Referenced By

Name	Type
getFmtAttributesForBatchActivationResponse	Element

Complex Type: getFmtAttributesForBatchDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
needStartDate	boolean	1..1	Returns true if one of the activatable items requires a start date to be provided at fulfillment time.
needVersionDate	boolean	1..1	Returns true if one of the activatable items requires that a version start date is provided at fulfillment time.
needVersionStartDate	boolean	1..1	Returns true iif one of the activatable items requires that a version start date is provided at fulfillment time.
needServerId	boolean	1..1	Returns true if the license model requires that a license server hostid is provided at fulfillment time.
needNodeLockId	boolean	1..1	Returns true if the license model requires that a node-locked hostid is provided at fulfillment time.
needCustomHost	boolean	1..1	Returns true if license model requires custom host attributes.
needCount	boolean	1..1	Returns true if the license model requires that a fulfill count is provided at fulfillment time.
needSoldTo	boolean	1..1	Returns true if one of the activatable items allows the sold-to organization to be specified at fulfillment time (for example, when activating a web register key). If **needSoldTo** returns true and a sold-to organization is not provided, the sold-to on the fulfillment defaults to the sold-to on its entitlement.
overDraftData	overDraftDataListType	1..1	See overDraftDataListType.
modelType	string	1..1	Name of the license model common to these activatable items.
modelAttributes	attributeMetaDescriptorDataType	0..1	Fulfillment attributes for the license model. See attributeMetaDescriptorDataType.
hostAttributes	attributeMetaDescriptorDataType	0..1	Host attributes for the license model. See attributeMetaDescriptorDataType.
needTimeZone	boolean	0..1	True if the TZ keyword must be set.

Complex Type: getFulfillmentAttributesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentAttributes	attributeMetaDescriptorDataType	0..1	See attributeMetaDescriptorDataType.
needTimeZone	boolean	0..1	True if time zone must be set at fulfillment time.

Complex Type: getFulfillmentAttributesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	Required. A **getFulfillmentAttributesRequest** contains a **licenseModelIdentifier** element identifying the license model whose attributes to return. See licenseModelIdentifierType.

Referenced By

Name	Type
getFulfillmentAttributesRequest	Element
getFulfillmentAttributesFromModel	Method

Complex Type: getFulfillmentAttributesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentAttributesDataType</td><td>0..1</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFulfillmentAttributesDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentAttributesResponse	Element

Complex Type: getFulfillmentCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	0..1	Required. See fulfillmentsQueryParametersType. Leave this element blank to return all fulfillments.

Referenced By

Name	Type
getFulfillmentCountRequest	Element
getFulfillmentCount	Method

Complex Type: getFulfillmentCountResponseDataType

Description

This should be filtered out

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
count	integer	1..1	

Complex Type: getFulfillmentCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
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<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentCountResponse	Element

Complex Type: getFulfillmentHistoryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. Activation ID of the activatable item whose fulfillment history is requested.
fulfillmentId	SimpleQueryType	0..1	Optional. To request a specific fulfillment ID for activationId.
userId	SimpleQueryType	0..1	Optional. To request fulfillments performed by this user on activationId.
count	NumberQueryType	0..1	Optional. To request fulfillments of activationId with this count.
policyOverridden	boolean	0..1	Optional. To request fulfillments for activationId for which a policy had to be overridden.
actionDateTime	DateTimeQueryType	0..1	Optional. To request fulfillments for activationId that were performed at this date and time. (Valid only for FlexNet Operations 8.3.0.3 and later.)
lifeCycleAction	SupportLicenseType	0..1	Optional. To request fulfillments for activationId of one of the following license lifecycle action types: • ACTIVATED • RETURN • REPAIR • REHOST • STOPGAP • EMERGENCY • PUBLISHER_ERROR • UPGRADE • UPSELL • RENEW • REINSTALL • ACTIVATED_ONHOLD
fulfillmentSource	FulfillmentSourceType	0..1	Optional. See FulfillmentSourceType.
pageNumber	integer	0..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Content Model

Component	Type	Occurs	Description
batchSize	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getFulfillmentHistoryRequest	Element
getFulfillmentHistory	Method

Complex Type: getFulfillmentHistoryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>fulfillmentHistoryDataType</td><td>0..1</td><td>See fulfillmentHistoryDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentHistoryResponse	Element

Complex Type: getFulfillmentPropertiesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	1..1	Required. See fulfillmentsQueryParametersType.
fulfillmentResponseConfig	fulfillmentResponseConfigRequestType	1..1	See fulfillmentResponseConfigRequestType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
getFulfillmentPropertiesRequest	Element
getFulfillmentPropertiesQuery	Method

Complex Type: getFulfillmentPropertiesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>fulfillment</td><td>fulfillmentPropertiesType</td><td>0..*</td><td>See fulfillmentPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentPropertiesResponse	Element

Complex Type: getFulfillmentsQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	0..1	Required. See fulfillmentsQueryParametersType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
includeLicenseText	boolean	0..1	Optional. Whether to include in the response the text of each individual license for each fulfillment. Default is true.
includeConsolidatedHostLicense	boolean	0..1	Optional. Whether to include in the response the text of one or more license files consolidated by host for all the fulfillments, if FlexNet Operations has been configured to use the SUPERSEDE keyword. If FlexNet Operations is not configured to use the SUPERSEDE keyword, the fulfillment's consolidated host license text is identical to the fulfillment's license text. Default is false.

Referenced By

Name	Type
getFulfillmentsQueryRequest	Element
getFulfillmentsQuery	Method

Complex Type: getFulfillmentsQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	fulfillmentDataType	0..*	See fulfillmentDataType.

Complex Type: getFulfillmentsQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
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<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentsQueryResponseDataType</td><td>0..1</td><td>See getFulfillmentsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentsQueryResponse	Element

Complex Type: getHostAttributesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostAttributes	attributeMetaDescriptorDataType	0..1	See attributeMetaDescriptorDataType.

Complex Type: getHostAttributesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseTechnologyIdentifier	licenseTechnologyIdentifierType	1..1	License technology of the product. See licenseTechnologyIdentifierType.
hostType	hostTypePKType	0..1	If a license technology has more than 1 host type, the host type must be specified. See hostTypePKType.

Referenced By

Name	Type
getHostAttributesRequest	Element
getHostAttributesFromLicenseTechnology	Method

Complex Type: getHostAttributesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getHostAttributesDataType</td><td>0..1</td><td>See getHostAttributesDataType.</td></tr>
</table>

Referenced By

Name	Type
getHostAttributesResponse	Element

Complex Type: hostIdDataDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
serverHost	ServerIDsType	0..1	Provide one or three license server machine hostids if a server hostid is required by the license model. See ServerIDsType.
nodeLockHost	string	0..1	Provide one node-locked hostid if the license model is a node-locked uncounted model.
countedNodeLockHostIds	NodeIDsType	0..1	Provide one or more node-locked hostids if the license model is a node-locked counted model. See NodeIDsType.
customHost	CustomHostIDType	0..1	Optional. See CustomHostIDType.
countFromParent	integer	0..1	Fulfill count to be assigned to this license that comes from re-activating seats from a previous fulfillment on the same host.
countFromOwn	integer	0..1	Fulfill count to be assigned to this license that is taken directly from the available count of the child activatable item, without re-activating any previous fulfillments on the same host.
parentActivationId	string	0..1	If setting **countFromParent**, specify the activation ID of the fulfillment that is made obsolete to be re-activated.

Complex Type: hostIdDataSetType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdData	hostIdDataType	1..*	Required. See hostIdDataType.

Complex Type: hostIdDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
serverIds	ServerIDsType	0..1	Provide one or three license server machine hostids if a server hostid is required by the license model. See ServerIDsType.
nodeIds	NodeIDsType	0..1	Provide one or more node-locked hostids if a node-locked hostid is required by the license model. See NodeIDsType.
customHost	CustomHostIDType	0..1	Optional. See customHostIDType.

Complex Type: hostIdDetailsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdData	hostIdDataDetailsType	1..*	Required. Each **hostIdData** element specifies the fulfill count for a particular hostid configuration. The fulfill count that you specify for this host can come from two sources: copies that are available directly from the child line item and copies that are available by re-activating previous parent fulfillments on this host. See hostIdDataDetailsType.

Complex Type: hostTypePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
name	string	1..1	Name of the host type.

Complex Type: licenseFileDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseFile	licenseFileDataType	0..*	See licenseFileDataType.

Complex Type: licenseFileDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseFileDefinitionName	string	1..1	Name of the license file definition file.
licenseText	string	0..1	Text of license certificate. Deprecated in favor of licenseFiles element; included for backwards compatibility.
binaryLicense	base64Binary	0..1	If the license file type is binary, provide the binary license. Deprecated in favor of licenseFiles element; included for backwards compatibility.
fileName	string	0..1	

Complex Type: licenseGeneratorIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license generator configuration.
primaryKeys	licenseGeneratorPKType	0..1	Database primary key of the license generator configuration—string containing the **name** of the license generator configuration.

Complex Type: licenseModelIdentifierType

Description

In the request, specify *either* **uniqueId** *or* **primaryKeys** to uniquely specify the license model, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license model.
primaryKeys	licenseModelPKType	0..1	Database primary key of the license model—a string containing the **name** of the license model.

Complex Type: licenseTechnologyIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license technology.
primaryKeys	licenseTechnologyPKType	0..1	Database primary key of the license technology—string containing the **name** of the license technology.

Complex Type: licenseTechnologyPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the license technology.

Complex Type: maintenanceIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the maintenance product.
primaryKeys	maintenancePKType	0..1	Database primary key of the maintenance product—strings containing the **name** and **version** of the maintenance product.

Complex Type: maintenancePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The **name** of the maintenance product.
version	string	1..1	The **version** of the maintenance product.

Complex Type: NodeIDsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
nodeId	string	1..*	Required. Provide one or more node-locked hostids if a node-locked hostid is required by the license model. If the license model is node-locked uncounted, one license certificate is generated (and one fulfill count is consumed) for each hostid that is provided. If the license model is node-locked counted, multiple node-locked hostids all appear together on a single feature line.

Complex Type: onHoldFmtLicenseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentId	string	1..1	FulfillmentID of the on-hold fulfillment.
textLicense	string	0..1	If the license file type for the fulfillment record is text, provide the text license.
binaryLicense	base64Binary	0..1	If the license file type for the fulfillment record is binary, provide the binary license.
licenseFiles	licenseFileDataListType	0..1	See licenseFileDataListType.

Complex Type: onholdFulfillmentListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
onholdFmtLicenseData	onHoldFmtLicenseDataType	1..*	See onHoldFmtLicenseDataType.

Complex Type: organizationIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database ID of the organization.
primaryKeys	organizationPKType	0..1	See organizationPKType.

Complex Type: organizationPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the organization.

Complex Type: OrgTypeList

Description

A list of multiple **orgType** elements. Use **orgTypeList** when you want to query organizations of multiple types. Add an **orgType** element to the **orgTypeList** for each organization type you want to include in the query. If no **orgType** or **orgTypeList** is specified, the query searches only CUSTOMER organizations (the default).

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgType	OrgType	1..*	Optional. Defines the organization type. **orgType** can be: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER • SELF_REGISTERED Default: CUSTOMER.

Complex Type: overDraftDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIdMap	activationIdOverDraftMapType	1..*	**overDraftData** contains one or more **activationIdMap** elements. See activationIdOverDraftMapType.

Complex Type: partNumberIdentifierWithModelType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the part number.
primaryKeys	partNumberPKType	0..1	Database primary key of the part number—a string containing the **partId** of the part number.
licenseModel	licenseModelIdentifierType	0..1	Optional, if you want to map a part number for a product to one specific license model linked to the product. See licenseModelIdentifierType.

Complex Type: partNumberPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
partId	string	1..1	The part ID of the part number.

Complex Type: productIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Note: *In the License service and Entitlement Order service, productIdentifierType is used to identify products, maintenance products, and suites. In the Product Packaging Service, each has its own identifier type.*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the product.
primaryKeys	productPKType	0..1	Database primary key of the product—strings containing the **name** and **version** of the product.

Complex Type: productIdentifierWithCountDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productIdentifier	productIdentifierType	1..1	Required. See productIdentifierType.
count	positiveInteger	1..1	Required. Positive integer that indicates the cardinality of the product in the suite.

Complex Type: publisherAttributesListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	simpleAttributeDataType	1..*	An attribute element contains two strings: • **attributeName** • **attributeValue**

Complex Type: publisherErrorFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	See fulfillmentIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).
shipToEmail	string	0..1	Optional. Email address of a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address of the sold-to organization.
serverIds	ServerIDsType	0..1	See ServerIDsType.
nodeIds	NodeIDsType	0..1	See NodeIDsType.
customHost	CustomHostIDType	0..1	See CustomHostIDType.
fulfillCount	integer	0..1	Required. Seat count of the fulfillment.

Content Model

Component	Type	Occurs	Description
overridePolicy	boolean	0..1	Optional. Whether to override the policy for publisher error licenses for this activation ID, if the limit has been reached.

Complex Type: publisherErrorFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	publisherErrorFulfillmentDataType	1..*	See publisherErrorFulfillmentDataType.

Referenced By

Name	Type
publisherErrorLicenseRequest	Element
publisherErrorLicense	Method

Complex Type: publisherErrorFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the publisher error license request, starting at 1.
fulfillment	fulfillmentDataType	0..1	See fulfillmentDataType.

Complex Type: publisherErrorFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	publisherErrorResponseDataType	0..1	See publisherErrorResponseDataType.
failedData	failedPublisherErrorResponselistDataType	0..1	See failedPublisherErrorResponselistDataType.

Referenced By

Name	Type
publisherErrorLicenseResponse	Element

Complex Type: publisherErrorResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
fulfillmentData	publisherErrorFulfillmentResponseDataType	0..*	See publisherErrorFulfillmentResponseDataType.

Complex Type: rehostFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Required. See fulfillmentIdentifierType.
serverIds	ServerIDsType	0..1	Provide one or three license server machine hostids if a server hostid is required by the license model. See ServerIDsType.
nodeIds	NodeIDsType	0..1	Provide one or more node-locked hostids if a node-locked hostid is required by the license model. See NodeIDsType.
customHost	CustomHostIDType	0..1	Optional. See CustomHostIDType.
partialCount	integer	0..1	If not specified, defaults to the entire fulfill count in the original fulfillment.
overDraftCount	integer	0..1	If not specified, defaults to the entire overdraft count in the original fulfillment. Can set only if **partialCount** is set.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for rehosts for this activation ID, if the limit has been reached.

Complex Type: rehostFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	rehostFulfillmentDataType	1..*	Required. A **rehostLicenseRequest** contains an array of **fulfillment** elements. See rehostFulfillmentDataType.

Referenced By

Name	Type
rehostLicenseRequest	Element
rehostLicense	Method

Complex Type: rehostFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the rehost request, starting at 1 (integer).
fulfillment	fulfillmentDataType	1..2	Array of fulfillment records of type fulfillmentDataType. See fulfillmentDataType.

Complex Type: rehostFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>rehostResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were rehosted is listed in the responseData element. See rehostResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedRehostResponselistDataType</td><td>0..1</td><td>Information about the fulfillments that were not rehosted is listed in the failedData element. See failedRehostResponselistDataType.</td></tr>
</table>

Referenced By

Name	Type
rehostLicenseResponse	Element

Complex Type: rehostResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentData	rehostFulfillmentResponseDataType	0..*	**responseData** contains one or more **fulfillmentData** elements. See rehostFulfillmentResponseDataType.

Complex Type: repairFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Required. See fulfillmentIdentifierType.
licenseModelAttributes	attributeDescriptorDataType	0..1	Modify editable fulfillment-time license model attributes. See attributeDescriptorDataType.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for repairs for this activation ID, if the limit has been reached.
FNPTimeZoneValue	string	0..1	The time zone value is given as the contents of the name column of the time zone entry in the PROD_FNP_TIMEZONE table (not the time zone string that will be written into the license file).

Complex Type: repairFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
fulfillment	repairFulfillmentDataType	1..*	Required. A **repairLicenseRequest** contains an array of **fulfillment** elements. See repairFulfillmentDataType.

Referenced By

Name	Type
repairLicenseRequest	Element
repairLicense	Method

Complex Type: repairFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the repair request, starting at 1 (integer).
fulfillment	fulfillmentDataType	0..1	Fulfillment record of type fulfillmentDataType. See fulfillmentDataType.

Complex Type: repairFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>repairResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were repaired is listed in the responseData element. See repairResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedRepairResponselistDataType</td><td>0..1</td><td>Information about the fulfillments that were not repaired is listed in the failedData element. See failedRepairResponselistDataType.</td></tr>
</table>

Referenced By

Name	Type
repairLicenseResponse	Element

Complex Type: repairResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentData	repairFulfillmentResponseDataType	0..*	**responseData** contains one or more **fulfillmentData** elements. See repairFulfillmentResponseDataType.

Complex Type: repairShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCode	string	1..1	Required. The repair short code is generated by an activation utility at the customer site and is delivered to the publisher.
webRegKey	string	1..1	Required. Web register key (also known as activation ID in FlexNet Operations; entitlement ID in FlexNet Licensing) that was originally activated.
publisherAttributes	publisherAttributesListDataType	0..1	Activation clients can send fulfillment time attributes along with the short code and the activation ID. See the documentation for custom policy attributes (getPublisherSpecificData() method) and see publisherAttributesListDataType.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for repairs for this activation ID, if the limit has been reached.

Complex Type: repairShortCodeRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	repairShortCodeDataType	0..1	Required. A **repairShortCodeRequest** contains a **shortCodeData** element. See repairShortCodeDataType.

Referenced By

Name	Type
repairShortCodeRequest	Element
repairShortCode	Method

Complex Type: repairShortCodeResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedRepairShortCodeDataType	0..1	Information about a short code repair response that was not generated is listed in the failedData element. See failedRepairShortCodeDataType.

Content Model

Component	Type	Occurs	Description
responseData	repairedShortCodeDataType	0..1	Information about a short code repair response that was generated is listed in the **responseData** element. **responseData** contains a **shortCode** repair response string. This response is delivered back to the customer to enter into an activation utility.

Referenced By

Name	Type
repairShortCodeResponse	Element

Complex Type: returnFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Required. See fulfillmentIdentifierType.
partialCount	integer	0..1	If not specified, defaults to the entire fulfill count in the original fulfillment.
overDraftCount	integer	0..1	If not specified, defaults to the entire overdraft count in the original fulfillment. Can set only if **partialCount** is set.
overridePolicy	boolean	0..1	Optional. Whether to override the policy for returns for this activation ID, if the limit has been reached.
forceReturnOfThisTrustedFulfillment	boolean	0..1	Optional. Whether to force return of the trusted fulfillment.

Complex Type: returnFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	returnFulfillmentDataType	1..*	Required. A **returnLicenseRequest** contains an array of **fulfillment** elements. See returnFulfillmentDataType.

Referenced By

Name	Type
returnLicenseRequest	Element
returnLicense	Method

Complex Type: returnFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the return request, starting at 1 (integer).
fulfillment	fulfillmentDataType	0..1	Fulfillment record of type fulfillmentDataType. See fulfillmentDataType

Complex Type: returnFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>returnResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were returned is listed in the responseData element. For returnLicense, this data is only populated in the case of a partial return, not a successful one. See returnResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedReturnResponselistDataType</td><td>0..1</td><td>Information about the fulfillments that were not returned is listed in the failedData element. See failedReturnResponselistDataType.</td></tr>
</table>

Referenced By

Name	Type
returnLicenseResponse	Element

Complex Type: returnResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentData	returnFulfillmentResponseDataType	0..*	**responseData** contains one or more **fulfillmentData** elements. See returnFulfillmentResponseDataType.

Complex Type: returnShortCodeDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCode	string	1..1	Required. The return short code is generated by an activation utility at the customer site and is delivered to the publisher.
webRegKey	string	1..1	Required. Web register key (also known as activation ID in FlexNet Operations; entitlement ID in FlexNet Licensing) that was originally activated.
publisherAttributes	publisherAttributesListDataType	0..1	Activation clients can send fulfillment time attributes along with the short code and the activation ID. See the documentation for custom policy attributes (getPublisherSpecificData() method) and see publisherAttributesListDataType.
overridePolicy	boolean	0..1	Optional. Set overridePolicy to true or false to permit or prevent rehost policy overrides (when the return reason is REHOST). Default: False. ***Note:*** *To successfully override the return or rehost policy, the user who submits the returnShortCode request must have the Override Policies permission.*

Complex Type: returnShortCodeRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	returnShortCodeDataType	0..1	Required. A **returnShortCodeRequest** contains a **shortCodeData** element. See returnShortCodeDataType.
returnReason	ReturnedShortCodeReturnReason	0..1	Optional. The **returnReason** value can be: • UPGRADE • UPSELL • RENEW • REHOST The **returnReason** value affects which policy FlexNet Operations checks for the return—return policy or rehost policy. If the return reason is REHOST, the rehost policy is checked. For any other return reason or if no reason is specified, the return policy is checked.

Referenced By

Name	Type
returnShortCodeRequest	Element
returnShortCode	Method

Complex Type: returnShortCodeResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedReturnShortCodeDataType</td><td>0..1</td><td>Information about a short code return response that was not generated is listed in the failedData element. See failedReturnShortCodeDataType.</td></tr>
<tr><td>responseData</td><td>returnedShortCodeDataType</td><td>0..1</td><td>Information about a short code return response that was generated is listed in the responseData element. responseData contains a shortCode return response string. This response is delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
returnShortCodeResponse	Element

Complex Type: ServerIDsType

Description

Provide exactly one or three (for a redundant license server) server hostids.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
server1	string	1..1	Required.
server2	string	0..1	Optional. Specify **server1** and both **server2** and **server3** for a set of redundant license servers.
server3	string	0..1	Optional. Specify **server1** and both **server2** and **server3** for a set of redundant license servers.

Complex Type: setLicenseRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
onholdFulfillmentList	onholdFulfillmentListType	1..1	See onholdFulfillmentListType.

Referenced By

Name	Type
setLicenseRequest	Element
setLicense	Method

Complex Type: setLicenseResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedSetLicenseOnholdFulfillmentListType</td><td>0..1</td><td>Populated if setting the license failed. See failedSetLicenseOnholdFulfillmentListType.</td></tr>
</table>

Referenced By

Name	Type
setLicenseResponse	Element

Complex Type: stopGapFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	See fulfillmentIdentifierType.
startDate	date	1..1	Required. Date that the license starts.
endDate	date	1..1	Required. Date that the license ends.
shipToEmail	string	0..1	Optional. Email address of a contact in the sold-to organization where license certificates are shipped.
shipToAddress	string	0..1	Optional. Postal address of the sold-to organization.

Complex Type: stopGapFulfillmentRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	stopGapFulfillmentDataType	1..*	See stopGapFulfillmentDataType.

Referenced By

Name	Type
stopGapLicenseRequest	Element
stopGapLicense	Method

Complex Type: stopGapFulfillmentResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	integer	1..1	Index of the fulfillment in the stop-gap license request, starting at 1.
fulfillment	fulfillmentDataType	0..1	See fulfillmentDataType.

Complex Type: stopGapFulfillmentResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	stopGapResponseDataType	0..1	See stopGapResponseDataType.
failedData	failedStopGapResponselistDataType	0..1	See failedStopGapResponselistDataType.

Referenced By

Name	Type
stopGapLicenseResponse	Element

Complex Type: stopGapResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentData	stopGapFulfillmentResponseDataType	0..*	See stopGapFulfillmentResponseDataType.

Complex Type: suiteIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the suite.
primaryKeys	suitePKType	0..1	Database primary key of the suite—strings containing the **name** and **version** of the suite.

Complex Type: suitePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the suite.
version	string	1..1	Version of the suite.

Complex Type: transferHostIdDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
soldTo	string	1..1	The name of a source organization for the host transfer.
serverIds	ServerIDsType	0..1	Provide one or three license server machine host IDs if the host is identified by a server host ID. See ServerIDsType.
nodeId	string	0..1	Provide one or more node-locked host IDs if the host is identified by a nodelocked host ID.
customHostId	string	0..1	Provide a custom host ID if the host is identified by a custom host ID.
customHostType	string	0..1	The custom host type associated with customHostId. (Required when the host is identified by a custom host ID.)
customLicenseTechnology	string	0..1	The license technology associated with customHostId. (Required when the host is identified by a custom host ID.)

Complex Type: transferHostList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	transferHostIdDataType	1..*	One or more hosts identified with a transferHostIdDataType. See transferHostIdDataType.

Complex Type: transferHostRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sourceHosts	transferHostList	1..1	Required. See transferHostList.
soldTo	string	0..1	A string that identifies the target organization by its organization name.
poolEntitlements	boolean	0..1	True, if existing, matching line items at the target organization are to be pooled. False, to always create new line items at the target organization.

Referenced By

Name	Type
transferHostRequest	Element
transferHost	Method

Complex Type: transferHostResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedTransferHostListDataType</td><td>0..1</td><td>Information about the line items that were not added is listed in the failedData element. See failedTransferHostListDataType.</td></tr>
</table>

Referenced By

Name	Type
transferHostResponse	Element

Complex Type: trustedRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
inputData	activationDataType	1..1	Required. A **manualActivationRequest** contains a single **inputData** element. See activationDataType.

Referenced By

Name	Type
manualActivationRequest	Element
manualRepairRequest	Element
manualReturnRequest	Element
manualActivation	Method
manualRepair	Method
manualReturn	Method

Complex Type: trustedResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>activationDataType</td><td>0..1</td><td>If the request was processed successfully, responseData contains an XML response string in an activationData element. This response is saved in a file and delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
manualActivationResponse	Element
manualRepairResponse	Element
manualReturnResponse	Element

Complex Type: typeLineItem

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	NonEmptyString	1..1	Required. The activation ID of the activatable item whose license being generated.

Content Model

Component	Type	Occurs	Description
Reason	string	0..1	Optional. This must be an integer value from 0 to 9. A value of 1 indicates a re-install. All other values are considered to be a new installation. (For a served trusted license model, the behavior of a reinstall is different than a new installation.)
Count	string	0..1	Optional. Specify the seat count for this activatable item, if required by the license model. The count can be an integer or the string, **all**. Required for served license models. The fulfill count for an uncounted license model is always 1, regardless of the count value in the request.
VendorDictionary	Dictionary	0..1	Optional. A collection of fulfillment-time attributes (either FlexNet or custom license attributes). See Dictionary.

Complex Type: verifiedFulfillmentDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
recordRefNo	string	1..1	Index of the verification in the request, starting at 1.

Complex Type: versionDateAttributesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
versionOption	VersionDateOptionType	1..1	Required. See VersionDateOptionType.

Content Model

Component	Type	Occurs	Description
duration	DurationType	0..1	See DurationType.

Complex Type: VersionFormatQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	VersionFormatType	1..1	VersionFormatType of FIXED or DATE_BASED.
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Simple Types: LicenseService

Simple Types

Name
accountType
ActivationType
CollectionOperationAccountType
CreateOrUpdateOperationAccountType
CreateOrUpdateOperationType
FulfillmentSourceType
VersionDateOptionType

Simple Type: accountType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
CUSTOMER	
PUBLISHER	
CHANNEL_PARTNER	
SELF_REGISTERED	

Simple Type: ActivationType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
PROGRAMMATIC	
MANUAL	
SHORT_CODE	
DEFAULT	

Simple Type: CollectionOperationAccountType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
REPLACE	
ADD	
DELETE	

Simple Type: CreateOrUpdateOperationAccountType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
CREATE_OR_UPDATE	
CREATE_OR_IGNORE	

Simple Type: CreateOrUpdateOperationType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
CREATE_OR_UPDATE	
CREATE_OR_IGNORE	

Simple Type: FulfillmentSourceType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
ONLINE	
APPLICATION	

Simple Type: VersionDateOptionType

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
DEFINE_NOW	
USE_START_DATE	
USE_ACTIVATION_DATE	
DEFINE_VERSION_STARTDATE_LATER	
DEFINE_VERSION_DATE_LATER	

Elements: LicenseService

Elements

Name	Description
activateLicensesRequest	An **activateLicensesRequest** message contains an element of activateLicensesRequestType.
activateLicensesResponse	An **activateLicensesResponse** message contains an element of activateLicensesResponseType.
activateShortCodeRequest	An **activateShortCodeRequest** message contains an element of activateShortCodeRequestType.
activateShortCodeResponse	An **activateShortCodeResponse** message contains an element of activateShortCodeResponseType.
consolidateFulfillmentsRequest	A **consolidateFulfillmentsRequest** message contains an element of consolidateFulfillmentsRequestType.
consolidateFulfillmentsResponse	A **consolidateFulfillmentsResponse** message contains an element of consolidateFulfillmentsResponseType.
createChildLineItemFulfillmentRequest	A **createChildLineItemFulfillmentRequest** message contains an element of createChildLineItemFulfillmentRequestType.
createChildLineItemFulfillmentResponse	A **createChildLineItemFulfillmentResponse** message contains an element of createChildLineItemFulfillmentResponseType. Each fulfillment in the **createChildLineItemFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.
createLicenseRequest	A **createLicenseRequest** message contains an element of createFulfillmentRequestType.
createLicenseResponse	A **createLicenseResponse** message contains an element of createFulfillmentResponseType.
createLicensesAsBatchAndConsolidateRequest	A **createLicensesAsBatchAndConsolidateRequest** message contains an element of createLicensesAsBatchRequestType.
createLicensesAsBatchAndConsolidateResponse	A **createLicensesAsBatchAndConsolidateResponse** message contains an element of consolidateFulfillmentsResponseType.
createLicensesAsBatchRequest	A **createLicensesAsBatchRequest** message contains an element of createLicensesAsBatchRequestType.
createLicensesAsBatchResponse	A **createLicensesAsBatchResponse** message contains an element of createLicensesAsBatchResponseType.
deleteOnholdFulfillmentsRequest	A **deleteOnholdFulfillments** message contains an element of deleteOnholdFulfillmentsRequestType.
deleteOnholdFulfillmentsResponse	A **deleteOnholdFulfillmentsResponse** message contains an element of deleteOnholdFulfillmentsResponseType.
emailConsolidatedLicensesRequest	An **emailConsolidatedLicensesRequest** message contains an element of emailConsolidatedLicensesRequestType.
emailConsolidatedLicensesResponse	An **emailConsolidatedLicenseResponse** message contains an element of emailConsolidatedLicenseResponseType.
emailLicenseRequest	An **emailLicenseRequest** message contains an element of emailLicenseRequestType.
emailLicenseResponse	An **emailLicenseResponse** message contains an element of emailLicenseResponseType.

Elements

Name	Description
emergencyLicenseRequest	An **emergencyLicenseRequest** message contains an element of emergencyFulfillmentRequestType.
emergencyLicenseResponse	An **emergencyLicenseResponse** message contains an element of emergencyFulfillmentResponseType.
getConsolidatedFulfillmentCountRequest	A **getConsolidatedFulfillmentCountRequest** message contains an element of getConsolidatedFulfillmentCountRequestType.
getConsolidatedFulfillmentCountResponse	A **getConsolidatedFulfillmentCountResponse** message contains an element of getConsolidatedFulfillmentCountResponseType.
getConsolidatedFulfillmentsQueryRequest	A **getConsolidatedFulfillmentsQueryRequest** message contains an element of getConsolidatedFulfillmentsQueryRequestType.
getConsolidatedFulfillmentsQueryResponse	A **getConsolidatedFulfillmentsQueryResponse** message contains an element of getConsolidatedFulfillmentsQueryResponseType.
getFmtAttributesForBatchActivationRequest	A **getFmtAttributesForBatchActivationRequest** message contains an element of getFmtAttributesForBatchActivationRequestType.
getFmtAttributesForBatchActivationResponse	A **getFmtAttributesForBatchActivationResponse** message contains an element of getFmtAttributesForBatchActivationResponseType.
getFulfillmentAttributesRequest	A **getFulfillmentAttributesRequest** message contains an element of getFulfillmentAttributesRequestType.
getFulfillmentAttributesResponse	A **getFulfillmentAttributesResponse** message contains an element of getFulfillmentAttributesResponseType.
getFulfillmentCountRequest	A **getFulfillmentCountRequest** message contains an element of getFulfillmentCountRequestType.
getFulfillmentCountResponse	A **getFulfillmentCountResponse** message contains an element of getFulfillmentCountResponseType.
getFulfillmentHistoryRequest	A **getFulfillmentHistoryRequest** message contains an element of getFulfillmentHistoryRequestType.
getFulfillmentHistoryResponse	A **getFulfillmentHistoryResponse** message contains an element of getFulfillmentHistoryResponseType.
getFulfillmentPropertiesRequest	A **getFulfillmentPropertiesRequest** message contains an element of getFulfillmentPropertiesRequestType.
getFulfillmentPropertiesResponse	A **getFulfillmentPropertiesResponse** message contains an element of getFulfillmentPropertiesResponseType.
getFulfillmentsQueryRequest	A **getFulfillmentsQueryRequest** message contains an element of getFulfillmentsQueryRequestType.
getFulfillmentsQueryResponse	A **getFulfillmentsQueryResponse** message contains an element of getFulfillmentsQueryResponseType.
getHostAttributesRequest	A **getHostAttributesRequest** message contains an element of getHostAttributesRequestType.
getHostAttributesResponse	A **getHostAttributesFromLicenseTechnology** message contains an element of getHostAttributesResponseType.
manualActivationRequest	A **manualActivationRequest** message contains an element of trustedRequestType.
manualActivationResponse	A **manualActivationResponse** message contains an element of trustedResponseType.

Elements

Name	Description
manualRepairRequest	A **manualRepairRequest** message contains an element of trustedRequestType.
manualRepairResponse	A **manualRepairResponse** message contains an element of trustedResponseType.
manualReturnRequest	A **manualReturnRequest** message contains an element of trustedRequestType.
manualReturnResponse	A **manualReturnResponse** message contains an element of trustedResponseType.
publisherErrorLicenseRequest	A **publisherErrorLicenseRequest** message contains an element of publisherErrorFulfillmentRequestType.
publisherErrorLicenseResponse	A **publisherErrorLicenseResponse** message contains an element of publisherErrorFulfillmentResponseType.
rehostLicenseRequest	A **rehostLicenseRequest** message contains an element of rehostFulfillmentRequestType.
rehostLicenseResponse	A **rehostLicenseResponse** message contains an element of rehostFulfillmentResponseType. Each fulfillment in the **rehostLicenseRequest** is rehosted as an atomic unit; rehosting each either succeeds or fails
renewFulfillmentRequest	A **renewFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.
renewFulfillmentResponse	A **renewFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType. Each fulfillment in the **renewFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.
repairLicenseRequest	A **repairLicenseRequest** message contains an element of repairFulfillmentRequestType.
repairLicenseResponse	A **repairLicenseResponse** message contains an element of repairFulfillmentResponseType. Each fulfillment in the **repairLicenseRequest** is repaired as an atomic unit; repairing each either succeeds or fails.
repairShortCodeRequest	A **repairShortCodeRequest** message contains an element of repairShortCodeRequestType.
repairShortCodeResponse	A **repairShortCodeResponse** message contains an element of repairShortCodeResponseType.
returnLicenseRequest	A **returnLicenseRequest** message contains an element of returnFulfillmentRequestType.
returnLicenseResponse	A **returnLicenseResponse** message contains an element of returnFulfillmentResponseType. Each fulfillment in the **returnLicenseRequest** is returned as an atomic unit; returning each either succeeds or fails.
returnShortCodeRequest	A **returnShortCodeRequest** message contains an element of returnShortCodeRequestType.
returnShortCodeResponse	A **returnShortCodeResponse** message contains an element of returnShortCodeResponseType.

Elements

Name	Description
setLicenseRequest	A **setLicenseRequest** message contains an element of setLicenseRequestType.
setLicenseResponse	A **setLicenseResponse** message contains an element of setLicenseResponseType.
stopGapLicenseRequest	A **stopGapLicenseRequest** message contains an element of stopGapFulfillmentRequestType.
stopGapLicenseResponse	A **stopGapLicenseResponse** message contains an element of stopGapFulfillmentResponseType.
transferHostRequest	A **transferHostRequest** message contains an element of transferHostRequestType.
transferHostResponse	A **transferHostResponse** message contains an element of transferHostResponseType. Each entitlement in the **transferHostResponseType** is transferred as an atomic unit; transferring each either succeeds or fails.
upgradeFulfillmentRequest	An **upgradeFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.
upgradeFulfillmentResponse	An **upgradeFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType. Each fulfillment in the **upgradeFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.
upsellFulfillmentRequest	An **upsellFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.
upsellFulfillmentResponse	An **upsellFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType. Each fulfillment in the **upsellFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.
verifyCreateLicenseRequest	A **verifyCreateLicenseRequest** message contains an element of createFulfillmentRequestType.
verifyCreateLicenseResponse	A **verifyCreateLicenseResponse** message contains an element of createFulfillmentResponseType.

Element: activateLicensesRequest

Description

An **activateLicensesRequest** message contains an element of activateLicensesRequestType.

Derived By

Type activateLicensesRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItem	typeLineItem	1..*	Required. See typeLineItem.
shipToEmail	string	0..1	Optional. Email address for a contact in the sold-to organization where licenses are shipped. You can provide a different email address from any already set in the entitlement.
shipToAddress	string	0..1	Optional. Postal address for the sold-to organization. May already be set in the entitlement.
soldTo	string	0..1	Optional. Provide a sold-to organization for the license if one is required. If specified for a web register key, soldTo sets the end customer organization in the entitlement that is created.
owner	string	0..1	Optional. Specifies the end customer contact. If specified for a web register key, owner sets the end customer contact in the entitlement that is created.
hostInfo	string	1..1	Required. An XML structure that is generated by an empty **–new** request from a v2 activation utility on the machine where the trusted fulfillment will be applied. For successful response processing, hostInfo must reflect the state of trusted storage on the host machine at the time the response is applied.

Referenced By

Name	Type
offlineFNPTrustedStorageActivation	Method

XML Example

The following XML fragment illustrates an **activateLicensesRequest** message:

```
<activateLicensesRequest>
  <lineItem>
    <activationId>Ent_basic_1</activationId>
    <Reason>5</Reason>
    <Count>5</Count>
    <VendorDictionary>
      <Entries>
        <Entry>
          <Key>Key1</Key>
          <Value>Value1</Value>
        </Entry>
      </Entries>
    </VendorDictionary>
  </lineItem>
  <soldTo>MyCustomerOrg</soldTo>
  <hostInfo>****</hostInfo>
</activateLicensesRequest>
```

Element: activateLicensesResponse

Description

An **activateLicensesResponse** message contains an element of activateLicensesResponseType.

Derived By

Type activateLicensesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedLineItem	0..1	Information about an entitlement line item that failed to activate in the **failedData** element. failedLineItem contains a single activationID element as a string.
resultData	string	0..1	The XML response to be saved as a fulfillment response file.

Referenced By

Name	Type
offlineFNPTrustedStorageActivation	Method

XML Example

The following XML fragment illustrates a successful **activateLicensesResponse** message:

```
<activateLicensesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <resultData>***</resultData>
</activateLicensesResponse>
```

XML Example

The following XML fragment illustrates a failed **activateLicensesResponse** message:

```
<activateLicensesResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>9999; The activation of the fulfillment is denied by the activation policy because fulfill count
    exceeded the available seat count. [Incident# 8961-7529]</reason>
  </statusInfo>
  <failedData>
    <activationId>se-ea-1</activationId>
  </failedData>
  </activateLicensesResponse>
```

Element: activateShortCodeRequest

Description

An **activateShortCodeRequest** message contains an element of activateShortCodeRequestType.

Derived By

Type activateShortCodeRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	createShortCodeDataType	0..1	Required. An **activateShortCodeRequest** contains a single **shortCodeData** element. See createShortCodeDataType.

Referenced By

Name	Type
activateShortCode	Method

XML Example

The following XML fragment illustrates an **activateShortCodeRequest** message that overrides default activation behavior to do a reinstall:

```
<activateShortCodeRequest>
  <shortCodeData>
    <webRegkey>WRK-1</webRegkey>
    <shortCode>189603928568052437252111063433875295</shortCode>
    <shortCodeActivationType>REINSTALL</shortCodeActivationType>
    <!--optional:-->
    <reinstallFulfillment>
```

XML Example

```
        <primaryKeys>
          <fulfillmentId>FID__52cc8d30_1320356c5cd__7ff8</fulfillmentId>
        </primaryKeys>
      </reinstallFulfillment>
    </shortCodeData>
  </activateShortCodeRequest>
```

Element: activateShortCodeResponse

Description

An **activateShortCodeResponse** message contains an element of activateShortCodeResponseType.

Derived By

Type activateShortCodeResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
failedData	failedShortCodeDataType	0..1	Information about a short code response that was not generated is listed in the failedData element. See failedShortCodeDataType.
responseData	createdShortCodeDataType	0..1	Information about an short code response that was generated is listed in the **responseData** element. **responseData** contains a **shortCode** short code response string. This response is delivered back to the customer to enter into an activation utility.

Referenced By

Name	Type
activateShortCode	Method

XML Example

The following XML fragment illustrates a successful **activateShortCodeResponse** message:

```
<activateShortCodeResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <shortCode>...</shortCode>
  </responseData>
<activateShortCodeResponse>
```

The following XML fragment illustrates a failed **activateShortCodeResponse** message:

```
<activateShortCodeResponse>
  <statusInfo>
    <status>FAILURE</status>
  </statusInfo>
  <failedData>
    <shortCodeData>
      <webRegkey>be-sc-1</webRegkey>
      <shortCode>189603928568052437252111063433875295</shortCode>
    </shortCodeData>
    <reason>Short Code Activation failed : One or more fulfillment records found for the given Short Code and activationID.</reason>
    <duplicateFulfillmentRecords>
      <fulfillment>
        <uniqueId>HID-100333</uniqueId>
        <primaryKeys>
          <fulfillmentId>FID__52cc8d30_1320356c5cd__7ff8</fulfillmentId>
        </primaryKeys>
      </fulfillment>
    </duplicateFulfillmentRecords>
  </failedData>
</activateShortCodeResponse>
```

Element: consolidateFulfillmentsRequest

Description

A **consolidateFulfillmentsRequest** message contains an element of consolidateFulfillmentsRequestType.

Derived By

Type consolidateFulfillmentsRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillments	fulfillmentIdentifierListType	1..1	Required. See fulfillmentIdentifierListType.

Referenced By

Name	Type
consolidateFulfillments	Method

XML Example

The following XML fragment illustrates a **consolidateFulfillmentsRequest** message:

```
<consolidateFulfillmentsRequest>
  <fulfillments>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ffa</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ff9</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
  </fulfillments>
</consolidateFulfillmentsRequest>
```

Element: consolidateFulfillmentsResponse

Description

A **consolidateFulfillmentsResponse** message contains an element of consolidateFulfillmentsResponseType.

Derived By

Type consolidateFulfillmentsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>consolidatedResponseDataType</td><td>0..1</td><td>Information about the licenses that were generated is listed in the responseData element. See consolidatedResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
consolidateFulfillments	Method

XML Example

The following XML fragment illustrates a successful **consolidateFulfillmentsResponse** message:

```
<consolidateFulfillmentsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <consolidatedLicense>
```

XML Example

```
        <consolidatedLicenseId>CID_1256ea2_10b1bcf0a__7fee</consolidatedLicenseId>
        <licenseText>...</licenseText>
        <soldTo>WILY</soldTo>
        <criteria>Server 123412341234</criteria>
        <consolidatedFulfillments>
          <fulfillmentIdentifier>
            <uniqueId>HID-1</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ffa</fulfillmentId>
            </primaryKeys>
          </fulfillmentIdentifier>
          <fulfillmentIdentifier>
            <uniqueId>HID-2</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ff9</fulfillmentId>
            </primaryKeys>
          </fulfillmentIdentifier>
        </consolidatedFulfillments>
      </consolidatedLicense>
    </responseData>
  </consolidateFulfillmentsResponse>
```

Element: createChildLineItemFulfillmentRequest

Description

A **createChildLineItemFulfillmentRequest** message contains an element of createChildLineItemFulfillmentRequestType.

Derived By

Type createChildLineItemFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createChildLineItemFulfillmentDataType	1..*	Required. A **createChildLineItemFulfillmentRequest** contains an array of **fulfillment** elements. See createChildLineItemFulfillmentDataType.

Referenced By

Name	Type
createChildLineItemFulfillment	Method

XML Example

The following XML fragment illustrates a **createChildLineItemFulfillmentRequest** message:

```
<createChildLineItemFulfillmentRequest>
  <fulfillment>
    <activationId>E-upgrade1-1U</activationId>
    <startDate>2008-02-12</startDate>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>vs</stringValue>
      </attribute>
    </licenseModelAttributes>
    <hostIdDetails>
      <hostIdData>
        <serverHost>
          <server1>987698769876</server1>
        </serverHost>
        <countFromParent>4</countFromParent>
        <countFromOwn>5</countFromOwn>
      </hostIdData>
    </hostIdDetails>
    <overridePolicy>false</overridePolicy>
  </fulfillment>
</createChildLineItemFulfillmentRequest>
```

Element: createChildLineItemFulfillmentResponse

Description

A **createChildLineItemFulfillmentResponse** message contains an element of createChildLineItemFulfillmentResponseType.

Each fulfillment in the **createChildLineItemFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.

Derived By

Type createChildLineItemFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createdChildLIFmtResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were created is listed in the responseData element. See createdChildLIFmtResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedChildLIFmtResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were not returned is listed in the failedData element. See failedChildLIFmtResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
createChildLineItemFulfillment	Method

XML Example

The following XML fragment illustrates a successful **createChildLineItemFulfillmentResponse** message:

```
<createChildLineItemFulfillmentResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <fulfillment>
      <recordRefNo>1</recordRefNo>
      <fulfillmentInfo>
        <uniqueId>HID-11</uniqueId>
        <fulfillmentId>FID_18ee9d6_110b73ab7b0__7ffb</fulfillmentId>
        <licenseText>entire_license_text</licenseText>
      </fulfillmentInfo>
      <fulfillmentInfo>
        <uniqueId>HID-12</uniqueId>
        <fulfillmentId>FID_18ee9d6_110b73ab7b0__7ffa</fulfillmentId>
        <licenseText>entire_license_text</licenseText>
      </fulfillmentInfo>
    </fulfillment>
  </responseData>
</createChildLineItemFulfillmentResponse>
```

Element: createLicenseRequest

Description

A **createLicenseRequest** message contains an element of createFulfillmentRequestType.

Derived By

Type createFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createFulfillmentDataType	1..*	Required. A **createFulfillmentRequest** contains an array of **fulfillment** elements to be verified. See createFulfillmentDataType.

Referenced By

Name	Type
createLicense	Method

XML Example

The following XML fragment illustrates a **createLicenseRequest** message:

```
<createLicenseRequest>
  <fulfillment>
    <activationId>Ent_basic_1</activationId>
    <fulfillCount>5</fulfillCount>
    <overDraftCount>3</overDraftCount>
    <startDate>2005-11-30</startDate>
```

XML Example

```
    <serverIds>
      <server1>HOSTNAME=testserver</server1>
    </serverIds>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>vendor string</stringValue>
      </attribute>
    </licenseModelAttributes>
  </fulfillment>
</createLicenseRequest>
```

Element: createLicenseResponse

Description

A **createLicenseResponse** message contains an element of createFulfillmentResponseType.

Derived By

Type createFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were not verified is listed in the failedData element. See failedFulfillmentDataListType.</td></tr>
<tr><td>responseData</td><td>createdFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were verified is listed in the responseData element. See createdFulfillmentDataListType.</td></tr>
</table>

Referenced By

Name	Type
createLicense	Method

XML Example

The following XML fragment illustrates a successful **createLicenseResponse** message:

```
<createLicenseResponse>
  <statusInfo>
```

XML Example

```
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <createdFulfillment>
      <recordRefNo>1</recordRefNo>
      <uniqueId>HID-100349</uniqueId>
      <fulfillmentId>FID_18c5...86f1__7ffb</fulfillmentId>
      <licenseText>entire_license_text</licenseText>
    </createdFulfillment>
  </responseData>
</createLicenseResponse>
```

Element: createLicensesAsBatchAndConsolidateRequest

Description

A **createLicensesAsBatchAndConsolidateRequest** message contains an element of createLicensesAsBatchRequestType.

Derived By

Type createLicensesAsBatchRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIds	activationIdsListType	1..1	Required. See activationIdsListType.
hostIdDataSet	hostIdDataSetType	1..1	Required. See hostIdDataSetType.
countDataSet	countDataSetType	0..1	See countDataSetType.
commonBatchDataSet	commonBatchDataSetType	1..1	See commonBatchDataSetType.

Referenced By

Name	Type
createLicensesAsBatchAndConsolidate	Method

XML Example

The following XML fragment illustrates a **createLicensesAsBatchAndConsolidateRequest** message:

```
<createLicensesAsBatchAndConsolidateRequest>
  <activationIds>
    <activationId>ACT-3</activationId>
    <activationId>ACT-4</activationId>
```

XML Example


```
    </activationIds>
    <hostIdDataSet>
      <hostIdData>
        <serverIds>
          <server1>456745674567</server1>
        </serverIds>
      </hostIdData>
      <hostIdData>
        <serverIds>
          <server1>567856785678</server1>
        </serverIds>
      </hostIdData>
    </hostIdDataSet>
    <countDataSet>
      <countData>
        <activationId>ACT-3</activationId>
        <countForHosts>
          <hostDataRefId>1</hostDataRefId>
          <fulfillCount>1</fulfillCount>
        </countForHosts>
        <countForHosts>
          <hostDataRefId>2</hostDataRefId>
          <fulfillCount>2</fulfillCount>
        </countForHosts>
      </countData>
      <countData>
        <activationId>ACT-4</activationId>
        <countForHosts>
          <hostDataRefId>1</hostDataRefId>
          <fulfillCount>2</fulfillCount>
        </countForHosts>
        <countForHosts>
          <hostDataRefId>2</hostDataRefId>
          <fulfillCount>1</fulfillCount>
        </countForHosts>
      </countData>
    </countDataSet>
    <commonBatchDataSet>
      <startDate>2006-05-10</startDate>
      <shipToEmail>test@example.com</shipToEmail>
      <shipToAddress>12345 main st, san jose</shipToAddress>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>test string</stringValue>
        </attribute>
      </licenseModelAttributes>
      <overridePolicy>true</overridePolicy>
    </commonBatchDataSet>
  </createLicensesAsBatchAndConsolidateRequest>
```


Element: createLicensesAsBatchAndConsolidateResponse

Description

A **createLicensesAsBatchAndConsolidateResponse** message contains an element of consolidateFulfillmentsResponseType.

Derived By

Type consolidateFulfillmentsResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>consolidatedResponseDataType</td><td>0..1</td><td>Information about the licenses that were generated is listed in the responseData element. See consolidatedResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
createLicensesAsBatchAndConsolidate	Method

XML Example

The following XML fragment illustrates a successful **createLicensesAsBatchAndConsolidateResponse** message:

```
<createLicensesAsBatchAndConsolidateResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <consolidatedLicense>
      <consolidatedLicenseId>CID_1256ea2_11a2bcf0a__7ff0
            </consolidatedLicenseId>
      <licenseText>...</licenseText>
      <soldTo>WILY</soldTo>
      <criteria>Server 456745674567</criteria>
      <consolidatedFulfillments>
        <fulfillmentIdentifier>
          <uniqueId>HID-9</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_1256ea2_10cf0a__7ff2</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-7</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_1256ea2_10b2ba__7ff4</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
      </consolidatedFulfillments>
    </consolidatedLicense>
    <consolidatedLicense>
      <consolidatedLicenseId>CID_1256ea2_10b1a2bcf0a__7fef
            </consolidatedLicenseId>
      <licenseText>...</licenseText>
      <soldTo>WILY</soldTo>
      <criteria>Server 567856785678</criteria>
      <consolidatedFulfillments>
        <fulfillmentIdentifier>
          <uniqueId>HID-10</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_125a2_10b10a__7ff1</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-8</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_12562_10b1aa__7ff3</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
      </consolidatedFulfillments>
    </consolidatedLicense>
  </responseData>
</createLicensesAsBatchAndConsolidateResponse>
```

Element: createLicensesAsBatchRequest

Description

A **createLicensesAsBatchRequest** message contains an element of createLicensesAsBatchRequestType.

Derived By

Type [createLicensesAsBatchRequestType]

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIds	activationIdsListType	1..1	Required. See activationIdsListType.
hostIdDataSet	hostIdDataSetType	1..1	Required. See hostIdDataSetType.
countDataSet	countDataSetType	0..1	See countDataSetType.
commonBatchDataSet	commonBatchDataSetType	1..1	See commonBatchDataSetType.

Referenced By

Name	Type
createLicensesAsBatch	Method

XML Example

The following XML fragment illustrates a **createLicensesAsBatchRequest** message:

```
<createLicensesAsBatchRequest>
  <activationIds>
    <activationId>ACT-1</activationId>
    <activationId>ACT-2</activationId>
  </activationIds>
  <hostIdDataSet>
    <hostIdData>
      <nodeIds>
        <nodeId>121212121212</nodeId>
      </nodeIds>
    </hostIdData>
  </hostIdDataSet>
  <commonBatchDataSet>
    <startDate>2006-05-06</startDate>
    <shipToEmail>test@example.com</shipToEmail>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>test string</stringValue>
      </attribute>
    </licenseModelAttributes>
    <overridePolicy>true</overridePolicy>
  </commonBatchDataSet>
</createLicensesAsBatchRequest>
```

Element: createLicensesAsBatchResponse

Description

A **createLicensesAsBatchResponse** message contains an element of createLicensesAsBatchResponseType.

Derived By

Type createLicensesAsBatchResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>createLicensesAsBatchResponseDataType</td><td>0..1</td><td>Information about the licenses that were generated is listed in the responseData element. See createLicensesAsBatchResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
createLicensesAsBatch	Method

XML Example

The following XML fragment illustrates a successful **createLicensesAsBatchResponse** message:


```
<createLicensesAsBatchResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillment>
      <entitlementIdentifier>
        <uniqueId>HID-100134</uniqueId>
        <primaryKeys>
          <entitlementId>1fcf-0ce1-0b14-a567-037f-fd</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <fulfillmentIdentifier>
        <uniqueId>HID-100360</uniqueId>
        <primaryKeys>
         <fulfillmentId>FID_1fcf0ce_10b16cf863c__7ffe</fulfillmentId>
        </primaryKeys>
      </fulfillmentIdentifier>
      <fulfillmentType>CERTIFICATE</fulfillmentType>
      <lineItem>
        <uniqueId>HID-100137</uniqueId>
        <primaryKeys>
          <activationId>ACT-1</activationId>
        </primaryKeys>
      </lineItem>
      <product>
        <uniqueId>HID-20090</uniqueId>
        <primaryKeys>
          <name>Scientific Calculator</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <soldTo>Callaway</soldTo>
      <shipToEmail>test@example.com</shipToEmail>
      <nodeIds>
        <nodeId>121212121212</nodeId>
      </nodeIds>
      <fulfilledCount>1</fulfilledCount>
      <overDraftCount>0</overDraftCount>
      <fulfillDate>2006-05-08</fulfillDate>
      <isPermanent>false</isPermanent>
      <startDate>2006-05-06</startDate>
      <expirationDate>2006-08-04</expirationDate>
      <licenseText>...</licenseText>
      <supportAction>MASTER</supportAction>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>test string</stringValue>
        </attribute>
      </licenseModelAttributes>
      <state>ACTIVE</state>
    </fulfillment>
    <fulfillment>
      <entitlementIdentifier>
        <uniqueId>HID-100134</uniqueId>
        <primaryKeys>
          <entitlementId>1fcf-0ce1-0b14-a567-037f-fd</entitlementId>
        </primaryKeys>
      </entitlementIdentifier>
      <fulfillmentIdentifier>
        <uniqueId>HID-100374</uniqueId>
        <primaryKeys>
         <fulfillmentId>FID_1fcf0ce_10b16cf863c__7ffd</fulfillmentId>
        </primaryKeys>
```

XML Example


```
      </fulfillmentIdentifier>
      <fulfillmentType>CERTIFICATE</fulfillmentType>
      <lineItem>
        <uniqueId>HID-100166</uniqueId>
        <primaryKeys>
          <activationId>ACT-2</activationId>
        </primaryKeys>
      </lineItem>
      <product>
        <uniqueId>HID-20090</uniqueId>
        <primaryKeys>
          <name>Scientific Calculator</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <soldTo>Callaway</soldTo>
      <shipToEmail>test@example.com</shipToEmail>
      <nodeIds>
        <nodeId>121212121212</nodeId>
      </nodeIds>
      <fulfilledCount>1</fulfilledCount>
      <overDraftCount>0</overDraftCount>
      <fulfillDate>2006-05-08</fulfillDate>
      <isPermanent>false</isPermanent>
      <startDate>2006-05-08</startDate>
      <expirationDate>2006-08-06</expirationDate>
      <licenseText>...</licenseText>
      <supportAction>MASTER</supportAction>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>test string</stringValue>
        </attribute>
      </licenseModelAttributes>
      <state>ACTIVE</state>
    </fulfillment>
  </responseData>
</createLicensesAsBatchResponse>
```


Element: deleteOnholdFulfillmentsRequest

Description

A **deleteOnholdFulfillments** message contains an element of deleteOnholdFulfillmentsRequestType.

Derived By

Type deleteOnholdFulfillmentsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdList	fulfillmentIdListType	1..1	See fulfillmentIdListType.

Referenced By

Name	Type
deleteOnholdFulfillments	Method

XML Example

The following XML fragment illustrates a **deleteOnholdFulfillmentsRequest** message:

```
<deleteOnholdFulfillmentsRequest>
    <fulfillmentIdList>
      <fulfillmentIdentifier>
        <primaryKeys>
          <fulfillmentId>FID_647dcddc_11a3a76677d__7ff2</fulfillmentId>
        </primaryKeys>
      </fulfillmentIdentifier>
    </fulfillmentIdList>
  </deleteOnholdFulfillmentsRequest>
```

Element: deleteOnholdFulfillmentsResponse

Description

A **deleteOnholdFulfillmentsResponse** message contains an element of deleteOnholdFulfillmentsResponseType.

Derived By

Type deleteOnholdFulfillmentsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedOnholdFulfillmentListType</td><td>0..1</td><td>See failedOnholdFulfillmentListType.</td></tr>
</table>

Referenced By

Name	Type
deleteOnholdFulfillments	Method

XML Example

The following XML fragment illustrates a successful **deleteOnholdFulfillmentsResponse** message:

```
<deleteOnholdFulfillmentsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteOnholdFulfillmentsResponse>
```

Element: emailConsolidatedLicensesRequest

Description

An **emailConsolidatedLicensesRequest** message contains an element of emailConsolidatedLicensesRequestType.

Derived By

Type emailConsolidatedLicensesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
consolidatedLicenseIdList	consolidatedLicenseIdListType	1..1	Required. An **emailConsolidatedLicenseRequest** contains a **consolidatedLicenseIdList** element identifying the licenses to be emailed. See consolidatedLicenseIdListType.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false.
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the consolidated license email template. If the locale is valid and an email template has been configured for that locale, the localized template is used to send the email.

Referenced By

Name	Type
emailConsolidatedLicenses	Method

XML Example

The following XML fragment illustrates an **emailConsolidatedLicenseRequest** message:

```
<emailConsolidatedLicensesRequest>
  <consolidatedLicenseIdList>
    <consolidatedLicenseId>CID_1256ea2_10b1a2bcf0a__7fee</consolidatedLicenseId>
    <consolidatedLicenseId>CID_1256ea2_10b1a2bcf0a__7fef</consolidatedLicenseId>
  </consolidatedLicenseIdList>
  <emailIdList>
    <emailId>test@example.com</emailId>
  </emailIdList>
</emailConsolidatedLicensesRequest>
```

Element: emailConsolidatedLicensesResponse

Description

An **emailConsolidatedLicenseResponse** message contains an element of emailConsolidatedLicenseResponseType.

Derived By

Type emailConsolidatedLicensesResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
emailConsolidatedLicenses	Method

XML Example

The following XML fragment illustrates a successful **emailConsolidatedLicenseResponse** message:

```
<emailConsolidatedLicensesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</emailConsolidatedLicensesResponse>
```

Element: emailLicenseRequest

Description

An **emailLicenseRequest** message contains an element of emailLicenseRequestType.

Derived By

Type emailLicenseRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentIdentifier	fulfillmentIdentifierType	1..1	Required. An **emailLicenseRequest** contains a **fulfillmentIdentifier** element identifying the license to be emailed. See FulfillmentIdentifierType.
ignoreExistingEmailList	boolean	0..1	Optional. If true, all email addresses must be specified explicitly in the request. It is not possible to specify which of a list of existing email addresses to exclude (exclude all or none). If not set, the value is false.
validateEmailAddresses	boolean	0..1	Optional. Perform simple validation of email addresses in the request? Default is false.
emailIdList	emailContactListType	0..1	See emailContactListType.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Set to the preferred locale for the license email template. If the locale is valid and an email template has been configured for that locale, the localized template is used to send the email.

Referenced By

Name	Type
emailLicense	Method

XML Example

The following XML fragment illustrates an **emailLicenseRequest** message:

```
<emailLicenseRequest>
  <fulfillmentIdentifier>
    <primaryKeys>
      <fulfillmentId>FID_18c56d_10777ff86f1__7ffb</fulfillmentId>
    </primaryKeys>
  </fulfillmentIdentifier>
  <emailIdList>
    <emailId>test@example.com</emailId>
  </emailIdList>
</emailLicenseRequest>
```

Element: emailLicenseResponse

Description

An **emailLicenseResponse** message contains an element of emailLicenseResponseType.

Derived By

Type emailLicenseResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
</table>

Referenced By

Name	Type
emailLicense	Method

XML Example

The following XML fragment illustrates a successful **emailLicenseResponse** message:

```
<emailLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</emailLicenseResponse>
```

Element: emergencyLicenseRequest

Description

An **emergencyLicenseRequest** message contains an element of emergencyFulfillmentRequestType.

Derived By

Type emergencyFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	emergencyFulfillmentDataType	1..*	See failedEmergencyResponselistDataType.

Referenced By

Name	Type
emergencyLicense	Method

XML Example

The following XML fragment illustrates an **emergencyLicenseRequest** message:

```
<emergencyLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_828cab6_14ddc48ce2a__7ff5</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <startDate>2015-06-06</startDate>
    <endDate>2015-09-09</endDate>
    <serverIds>
      <server1>HOSTNAME=h-h2</server1>
    </serverIds>
    <nodeIds>
      <nodeId>HOSTNAME=d-d2</nodeId>
    </nodeIds>
  </fulfillment>
</emergencyLicenseRequest>
```

Element: emergencyLicenseResponse

Description

An **emergencyLicenseResponse** message contains an element of emergencyFulfillmentResponseType.

Derived By

Type emergencyFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	emergencyResponseDataType	0..1	See emergencyResponseDataType.
failedData	failedEmergencyResponselistDataType	0..1	See failedEmergencyResponselistDataType.

Referenced By

Name	Type
emergencyLicense	Method

XML Example

The following XML fragment illustrates a successful **emergencyLicenseResponse** message:

```
<emergencyLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillmentData>
      <recordRefNo>1</recordRefNo>
      <fulfillment>
        <entitlementIdentifier>
          <uniqueId>HID-2</uniqueId>
          <primaryKeys>
            <entitlementId>e2</entitlementId>
          </primaryKeys>
        </entitlementIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-5</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_828cab6_14ddc48ce2a__7ff4</fulfillmentId>
          </primaryKeys>
```

XML Example


```
        </fulfillmentIdentifier>
        <fulfillmentType>CERTIFICATE</fulfillmentType>
        <lineItem>
          <uniqueId>HID-2</uniqueId>
          <primaryKeys>
            <activationId>a2</activationId>
          </primaryKeys>
        </lineItem>
        <product>
          <uniqueId>HID-1</uniqueId>
          <primaryKeys>
            <name>p1</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <soldTo>UNKNOWN_ORG_UNIT</soldTo>
        <shipToEmail/>
        <shipToAddress/>
        <serverIds>
          <server1>HOSTNAME=h-h2</server1>
        </serverIds>
        <nodeIds>
          <nodeId>HOSTNAME=d-d2</nodeId>
        </nodeIds>
        <fulfilledCount>2</fulfilledCount>
        <overDraftCount>0</overDraftCount>
        <fulfillDate>2015-06-10</fulfillDate>
        <fulfillDateTime>2015-06-10T08:50:01.142Z</fulfillDateTime>
        <isPermanent>false</isPermanent>
        <startDate>2015-06-05</startDate>
        <expirationDate>2015-09-08</expirationDate>
        <licenseText>SERVER this_host HOSTNAME=h-h2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-sep-2015 2 HOSTID=HOSTNAME=d-d2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="00A2 \
      B496 80E0 D993 5958 6D65 98DB 5700 694B 165F 2100 AB68 4EBF \
      2FCC 0AC2"</licenseText>
          <consolidatedHostLicense>
            <license>#Please Do not delete this comment line.
SERVER this_host HOSTNAME=h-h2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-sep-2015 2 HOSTID=HOSTNAME=d-d2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="00A2 \
      B496 80E0 D993 5958 6D65 98DB 5700 694B 165F 2100 AB68 4EBF \
      2FCC 0AC2"</license>
          </consolidatedHostLicense>
          <supportAction>EMERGENCY</supportAction>
          <lastModifiedDateTime>2015-06-10T08:50:01.148Z</lastModifiedDateTime>
          <parentFulfillmentId>
            <uniqueId>HID-4</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_828cab6_14ddc48ce2a__7ff5</fulfillmentId>
            </primaryKeys>
          </parentFulfillmentId>
          <licenseTechnology>
            <uniqueId>HID-100</uniqueId>
            <primaryKeys>
              <name>FlexNet Licensing</name>
            </primaryKeys>
          </licenseTechnology>
          <licenseModelAttributes>
            <attribute>
              <attributeName>ISSUER</attributeName>
              <stringValue>My Corporation</stringValue>
            </attribute>
```

XML Example


```
            <attribute>
              <attributeName>INCLUDE_USE_SERVER</attributeName>
              <booleanValue>true</booleanValue>
            </attribute>
            <attribute>
              <attributeName>ALLOW_ONE_TERMINAL_SERVER</attributeName>
              <booleanValue>false</booleanValue>
            </attribute>
            <attribute>
              <attributeName>NOTICE</attributeName>
            </attribute>
            <attribute>
              <attributeName>SERIAL_NUMBER</attributeName>
            </attribute>
            <attribute>
              <attributeName>VENDOR_STRING</attributeName>
            </attribute>
          </licenseModelAttributes>
          <state>ACTIVE</state>
          <fulfillmentSource>APPLICATION</fulfillmentSource>
          <licenseFiles>
            <licenseFile>
              <licenseFileDefinitionName>FNP License</licenseFileDefinitionName>
              <licenseText>SERVER this_host HOSTNAME=h-h2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-sep-2015 2 HOSTID=HOSTNAME=d-d2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="00A2 \
      B496 80E0 D993 5958 6D65 98DB 5700 694B 165F 2100 AB68 4EBF \
      2FCC 0AC2"</licenseText>
            </licenseFile>
          </licenseFiles>
          <entitledProducts>
            <entitledProduct>
              <product>
                <uniqueId>HID-1</uniqueId>
                <primaryKeys>
                  <name>p1</name>
                  <version>1.0</version>
                </primaryKeys>
              </product>
              <quantity>1</quantity>
            </entitledProduct>
          </entitledProducts>
          <activationType>DEFAULT</activationType>
        </fulfillment>
      </fulfillmentData>
    </responseData>
  </emergencyLicenseResponse>
```


Element: getConsolidatedFulfillmentCountRequest

Description

A **getConsolidatedFulfillmentCountRequest** message contains an element of getConsolidatedFulfillmentCountRequestType.

Derived By

Type getConsolidatedFulfillmentCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	consolidatedFulfillments QPType	0..1	Required. See consolidatedFulfillmentsQPType. Leave this element blank to return all consolidated fulfillments.

Referenced By

Name	Type
getConsolidatedFulfillmentCount	Method

XML Example

The following XML fragment illustrates a **getConsolidatedFulfillmentCountRequest** message:

```
<getConsolidatedFulfillmentCountRequest>
  <queryParams>
    <consolidatedLicenseId>
      <value>CID</value>
      <searchType>STARTS_WITH</searchType>
    </consolidatedLicenseId>
  </queryParams>
</getConsolidatedFulfillmentCountRequest>
```

Element: getConsolidatedFulfillmentCountResponse

Description

A **getConsolidatedFulfillmentCountResponse** message contains an element of getConsolidatedFulfillmentCountResponseType.

Derived By

Type getConsolidatedFulfillmentCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getConsolidatedFulfillmentCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getConsolidatedFulfillmentCount	Method

XML Example

The following XML fragment illustrates a successful **getConsolidatedFulfillmentCountResponse** message:

```
<getConsolidatedFulfillmentCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>3</count>
```

XML Example

```
  </responseData>
</getConsolidatedFulfillmentCountResponse>
```

Element: getConsolidatedFulfillmentsQueryRequest

Description

A **getConsolidatedFulfillmentsQueryRequest** message contains an element of getConsolidatedFulfillmentsQueryRequestType.

Derived By

Type getConsolidatedFulfillmentsQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	consolidatedFulfillments QPType	0..1	Required. See consolidatedFulfillmentsQPType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getConsolidatedFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
includeLicenseText	boolean	0..1	Optional. Whether to include the entire text of the consolidated license(s) in the response. Default is true.

Referenced By

Name	Type
getConsolidatedFulfillmentsQuery	Method

XML Example

The following XML fragment illustrates a **getConsolidatedFulfillmentsQueryRequest** message:

```
<getConsolidatedFulfillmentsQueryRequest>
  <queryParams>
    <consolidatedLicenseId>
      <value>CID</value>
      <searchType>STARTS_WITH</searchType>
```

XML Example

```
      </consolidatedLicenseId>
      <soldTo>
        <value>ACME</value>
        <searchType>EQUALS</searchType>
      </soldTo>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>30</batchSize>
    <includeLicenseText>true</includeLicenseText>
  </getConsolidatedFulfillmentsQueryRequest>
```

Element: getConsolidatedFulfillmentsQueryResponse

Description

A **getConsolidatedFulfillmentsQueryResponse** message contains an element of getConsolidatedFulfillmentsQueryResponseType.

Derived By

Type getConsolidatedFulfillmentsQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Types</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getConsolidatedFulfillmentsQueryResponseDataType</td><td>0..1</td><td>See getConsolidatedFulfillmentsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getConsolidatedFulfillmentsQuery	Method

XML Example

The following XML fragment illustrates a successful **getConsolidatedFulfillmentsQueryResponse** message:

```
<getConsolidatedFulfillmentsQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <consolidatedLicense>
```

XML Example

```
        <consolidatedLicenseId>CID_1256ea2_10b1a2bcf0a__7fee</consolidatedLicenseId>
        <licenseText>...</licenseText>
        <soldTo>ACME</soldTo>
        <criteria>Server 123412341234</criteria>
        <consolidatedFulfillments>
          <fulfillmentIdentifier>
            <uniqueId>HID-1</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ffa</fulfillmentId>
            </primaryKeys>
          </fulfillmentIdentifier>
          <fulfillmentIdentifier>
            <uniqueId>HID-2</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_1256ea2_10b1a2bcf0a__7ff9</fulfillmentId>
            </primaryKeys>
          </fulfillmentIdentifier>
        </consolidatedFulfillments>
      </consolidatedLicense>
    </responseData>
  </getConsolidatedFulfillmentsQueryResponse>
```

Element: getFmtAttributesForBatchActivationRequest

Description

A **getFmtAttributesForBatchActivationRequest** message contains an element of getFmtAttributesForBatchActivationRequestType.

Derived By

Type getFmtAttributesForBatchActivationRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationIds	activationIdsListType	1..1	Required. A **getFmtAttributesForBatchActivationRequest** contains an **activationIds** element identifying the activation IDs whose fulfillment-time attributes to return. See activationIdsListType.

Referenced By

Name	Type
getFulfillmentAttributesForBatchActivation	Method

XML Example

The following XML fragment illustrates a **getFmtAttributesForBatchActivationRequest** message:

```
<getFmtAttributesForBatchActivationRequest>
  <activationIds>
    <activationId>ACT-1</activationId>
    <activationId>ACT-2</activationId>
  </activationIds>
</getFmtAttributesForBatchActivationRequest>
```

Element: getFmtAttributesForBatchActivationResponse

Description

A **getFmtAttributesForBatchActivationResponse** message contains an element of getFmtAttributesForBatchActivationResponseType.

Derived By

Type getFmtAttributesForBatchActivationResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFmtAttributesForBatchDataType</td><td>0..1</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFmtAttributesForBatchDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentAttributesForBatchActivation	Method

XML Example

The following XML fragment illustrates a successful **getFmtAttributesForBatchActivationResponse** message:

```
<getFmtAttributesForBatchActivationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <needStartDate>true</needStartDate>
```

XML Example

```
    <needServerId>false</needServerId>
    <needNodeLockId>true</needNodeLockId>
    <needCount>false</needCount>
    <overDraftData>
      <activationIdMap>
        <activationId>ACT-1</activationId>
        <overDraftAllowed>false</overDraftAllowed>
      </activationIdMap>
      <activationIdMap>
        <activationId>ACT-2</activationId>
        <overDraftAllowed>false</overDraftAllowed>
      </activationIdMap>
    </overDraftData>
    <modelType>NODE_LOCKED</modelType>
    <modelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <attributeDataType>LONGTEXT</attributeDataType>
        <namespace>FlexNet Licensing</namespace>
      </attribute>
    </modelAttributes>
  </responseData>
</getFmtAttributesForBatchActivationResponse>
```

Element: getFulfillmentAttributesRequest

Description

A **getFulfillmentAttributesRequest** message contains an element of getFulfillmentAttributesRequestType.

Derived By

Type getFulfillmentAttributesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseModelIdentifier	licenseModelIdentifierType	1..1	Required. A **getFulfillmentAttributesRequest** contains a **licenseModelIdentifier** element identifying the license model whose attributes to return. See licenseModelIdentifierType.

Referenced By

Name	Type
getFulfillmentAttributesFromModel	Method

XML Example

The following XML fragment illustrates a **getFulfillmentAttributesRequest** message:

```
<getFulfillmentAttributesRequest>
  <licenseModelIdentifier>
    <primaryKeys>
      <name>Floating Counted</name>
    </primaryKeys>
  </licenseModelIdentifier>
</getFulfillmentAttributesRequest>
```

Element: getFulfillmentAttributesResponse

Description

A **getFulfillmentAttributesResponse** message contains an element of getFulfillmentAttributesResponseType.

Derived By

Type getFulfillmentAttributesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentAttributesDataType</td><td>0..1</td><td>A list of license model attributes that are set at fulfillment time are contained in the responseData element. See getFulfillmentAttributesDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentAttributesFromModel	Method

XML Example

The following XML fragment illustrates a successful **getFulfillmentAttributesResponse** message:

```
<getFulfillmentAttributesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillmentAttributes>
```

XML Example

```
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <attributeDataType>LONGTEXT</attributeDataType>
        <namespace>FlexNet Licensing</namespace>
      </attribute>
    </fulfillmentAttributes>
  </responseData>
</getFulfillmentAttributesResponse>
```

Element: getFulfillmentCountRequest

Description

A **getFulfillmentCountRequest** message contains an element of getFulfillmentCountRequestType.

Derived By

Type getFulfillmentCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	0..1	Required. See fulfillmentsQueryParametersType. Leave this element blank to return all fulfillments.

Referenced By

Name	Type
getFulfillmentCount	Method

XML Example

The following XML fragment illustrates a **getFulfillmentCountRequest** message:

```
<getFulfillmentCountRequest>
  <queryParams>
    <activationId>
      <value>Ent_basic_1</value>
      <searchType>EQUALS</searchType>
    </activationId>
  </queryParams>
</getFulfillmentCountRequest>
```

Element: getFulfillmentCountResponse

Description

A **getFulfillmentCountResponse** message contains an element of getFulfillmentCountResponseType.

Derived By

Type getFulfillmentCountResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentCountResponseDataType</td><td>0..1</td><td>Contains an integer count element.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentCount	Method

XML Example

The following XML fragment illustrates a successful **getFulfillmentCountResponse** message:

```
<getFulfillmentCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>1</count>
  </responseData>
</getFulfillmentCountResponse>
```

Element: getFulfillmentHistoryRequest

Description

A **getFulfillmentHistoryRequest** message contains an element of getFulfillmentHistoryRequestType.

Derived By

Type getFulfillmentHistoryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	1..1	Required. Activation ID of the activatable item whose fulfillment history is requested.
fulfillmentId	SimpleQueryType	0..1	Optional. To request a specific fulfillment ID for activationId.
userId	SimpleQueryType	0..1	Optional. To request fulfillments performed by this user on activationId.
count	NumberQueryType	0..1	Optional. To request fulfillments of activationId with this count.
policyOverridden	boolean	0..1	Optional. To request fulfillments for activationId for which a policy had to be overridden.
actionDateTime	DateTimeQueryType	0..1	Optional. To request fulfillments for activationId that were performed at this date and time. (Valid only for FlexNet Operations 8.3.0.3 and later.)

Content Model

Component	Type	Occurs	Description
lifeCycleAction	SupportLicenseType	0..1	Optional. To request fulfillments for activationId of one of the following license lifecycle action types: • ACTIVATED • RETURN • REPAIR • REHOST • STOPGAP • EMERGENCY • PUBLISHER_ERROR • UPGRADE • UPSELL • RENEW • REINSTALL • ACTIVATED_ONHOLD
fulfillmentSource	FulfillmentSourceType	0..1	Optional. See FulfillmentSourceType.
pageNumber	integer	0..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getFulfillmentHistory	Method

XML Example

The following XML fragment illustrates a **getFulfillmentHistoryRequest** message:

```
<getFulfillmentHistoryRequest>
  <activationId>se-test-1</activationId>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
</getFulfillmentHistoryRequest>
```

Element: getFulfillmentHistoryResponse

Description

A **getFulfillmentHistoryResponse** message contains an element of getFulfillmentHistoryResponseType.

Derived By

Type getFulfillmentHistoryResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>fulfillmentHistoryDataType</td><td>0..1</td><td>See fulfillmentHistoryDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentHistory	Method

XML Example

The following XML fragment illustrates a successful **getFulfillmentHistoryResponse** message:

```
<getFulfillmentHistoryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <activationId>se-test-1</activationId>
    <historyDetails>
      <record>
        <fulfillmentId>FID_24541f56_12cbd1fe4ba__7ffb</fulfillmentId>
        <action>UPGRADE</action>
        <actionDate>2010-12-06</actionDate>
        <actionDateTime>2010-12-06T21:55:57.766Z</actionDateTime>
        <actionPerformedBy>admin</actionPerformedBy>
        <isPolicyOverridden>false</isPolicyOverridden>
        <count>10</count>
        <fulfillmentSource>APPLICATION</fulfillmentSource>
      </record>
      <record>
        <fulfillmentId>FID_24541f56_12cbd1fe4ba__7ffb</fulfillmentId>
        <action>ACTIVATED</action>
        <actionDate>2010-12-06</actionDate>
        <actionDateTime>2010-12-06T19:54:16.008Z</actionDateTime>
        <actionPerformedBy>admin</actionPerformedBy>
        <isPolicyOverridden>false</isPolicyOverridden>
        <count>10</count>
        <fulfillmentSource>APPLICATION</fulfillmentSource>
      </record>
    </historyDetails>
  </responseData>
</getFulfillmentHistoryResponse>
```

Element: getFulfillmentPropertiesRequest

Description

A **getFulfillmentPropertiesRequest** message contains an element of getFulfillmentPropertiesRequestType.

Derived By

Type getFulfillmentPropertiesRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	1..1	Required. See fulfillmentsQueryParametersType.
fulfillmentResponseConfig	fulfillmentResponseConfigRequestType	1..1	See fulfillmentResponseConfigRequestType.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
pageNumber	integer	0..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.

Referenced By

Name	Type
getFulfillmentPropertiesQuery	Method

XML Example

The following XML fragment illustrates a **getFulfillmentPropertiesRequest** message:

```
<getFulfillmentPropertiesRequest>
    <queryParams>
    </queryParams>
    <fulfillmentResponseConfig>
      <fulfillmentId>1</fulfillmentId>
      <fulfillmentType>1</fulfillmentType>
      <state>1</state>
      <entitlementId>1</entitlementId>
      <lineitemId>1</lineitemId>
      <product>1</product>
      <productDescription>1</productDescription>
      <partNumber>1</partNumber>
      <partNumberDescription>1</partNumberDescription>
      <licenseTechnology>1</licenseTechnology>
      <licenseModel>1</licenseModel>
      <soldTo>1</soldTo>
      <shipToEmail>1</shipToEmail>
      <shipToAddress>1</shipToAddress>
      <licenseHost>1</licenseHost>
      <fulfilledCount>1</fulfilledCount>
      <overDraftCount>1</overDraftCount>
      <fulfillDate>1</fulfillDate>
      <fulfillDateTime>1</fulfillDateTime>
      <isPermanent>1</isPermanent>
      <startDate>1</startDate>
      <expirationDate>1</expirationDate>
      <versionDate>1</versionDate>
      <licenseFileType>1</licenseFileType>
      <licenseText>1</licenseText>
      <binaryLicense>1</binaryLicense>
      <supportAction>1</supportAction>
      <lastModifiedDateTime>1</lastModifiedDateTime>
```

XML Example

```
    <parentFulfillmentId>1</parentFulfillmentId>
    <fulfillmentSource>1</fulfillmentSource>
    <owner>1</owner>
    <orderId>1</orderId>
    <orderLineNumber>1</orderLineNumber>
    <lineitemDescription>1</lineitemDescription>
    <totalCopies>1</totalCopies>
    <numberOfRemainingCopies>1</numberOfRemainingCopies>
    <isTrusted>1</isTrusted>
    <customAttributes>
      <attribute>
        <attributeName>NumberAttr</attributeName>
      </attribute>
      <attribute>
        <attributeName>Attr1</attributeName>
      </attribute>
      <attribute>
        <attributeName>BinAttr1</attributeName>
      </attribute>
      <attribute>
        <attributeName>Attr3</attributeName>
      </attribute>
    </customAttributes>
    <customHostAttributes>
      <attribute>
        <attributeName>HostAttr2</attributeName>
      </attribute>
      <attribute>
        <attributeName>BinHostAttr2</attributeName>
      </attribute>
    </customHostAttributes>
    <migrationId>1</migrationId>
    <vendorDaemonName>1</vendorDaemonName>
  </fulfillmentResponseConfig>
  <batchSize>15</batchSize>
  <pageNumber>1</pageNumber>
</getFulfillmentPropertiesRequest>
```

Element: getFulfillmentPropertiesResponse

Description

A **getFulfillmentPropertiesResponse** message contains an element of getFulfillmentPropertiesResponseType.

Derived By

Type getFulfillmentPropertiesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>fulfillment</td><td>fulfillmentPropertiesType</td><td>0..*</td><td>See fulfillmentPropertiesType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentPropertiesQuery	Method

XML Example

The following XML fragment illustrates a successful **getFulfillmentPropertiesResponse** message:

```
<getFulfillmentPropertiesResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <fulfillment>
      <fulfillmentId>
        <uniqueId>HID-111407</uniqueId>
        <primaryKeys>
```

XML Example


```
            <fulfillmentId>FID__d79b1d8_11c9a8bfb08__7d93</fulfillmentId>
          </primaryKeys>
        </fulfillmentId>
        <fulfillmentType>CERTIFICATE</fulfillmentType>
        <state>ACTIVE</state>
        <entitlementId>
          <uniqueId>HID-111361</uniqueId>
          <primaryKeys>
            <entitlementId>EntitleId_TestRF007</entitlementId>
          </primaryKeys>
        </entitlementId>
        <lineitemId>
          <uniqueId>HID-111373</uniqueId>
          <primaryKeys>
            <activationId>ActivationID-Parent-TestRF007_1</activationId>
          </primaryKeys>
        </lineitemId>
        <product>
          <uniqueId>HID-111339</uniqueId>
          <primaryKeys>
            <name>PROD-TestRF007_1</name>
            <version>3.0</version>
          </primaryKeys>
        </product>
        <productDescription>Product for TestRF007</productDescription>
        <partNumber>
          <uniqueId>HID-111335</uniqueId>
          <primaryKeys>
            <partId>PART-ID-TestRF007_1</partId>
          </primaryKeys>
        </partNumber>
        <partNumberDescription>part id for TestRF007</partNumberDescription>
        <licenseTechnology>
          <uniqueId>HID-100</uniqueId>
          <primaryKeys>
            <name>FLEXnet Licensing</name>
          </primaryKeys>
        </licenseTechnology>
        <soldTo>SRC-ORG-TestRF007</soldTo>
        <licenseHost>HOSTNAME=son1334</licenseHost>
        <fulfilledCount>30</fulfilledCount>
        <overDraftCount>0</overDraftCount>
        <fulfillDate>2008-09-26</fulfillDate>
        <fulfillDateTime>2008-09-26T00:16:00.400Z</fulfillDateTime>
        <isPermanent>false</isPermanent>
        <startDate>2008-09-25</startDate>
        <expirationDate>2008-12-15</expirationDate>
        <versionDate>2008-09-25</versionDate>
        <licenseFileType>TEXT</licenseFileType>
        <licenseText>SERVER this_host HOSTNAME=son1334
VENDOR opsqa
USE_SERVER
INCREMENT Feature-TestRF007_1 opsqa 2.0 15-dec-2008 300 6DDB0CA76B84 \
VENDOR_STRING=vendorString ISSUER="My Corporation" \
ISSUED=25-sep-2008 NOTICE=notice SN=serialNumber \
START=25-sep-2008 SIGN="0002 1FE0 6A82 3666 9B42 0EB2 2D50 \
0300 A167 52A0 9811 B156 F88B F764 F360" SIGN2="00D2 75DC 4567 \
80E4 D2C6 5C22 6546 6300 6C15 B7A9 AFAA 8860 B027 78A0 9E9D"</licenseText>
        <supportAction>MASTER</supportAction>
        <lastModifiedDateTime>2008-09-26T00:16:00.588Z</lastModifiedDateTime>
        <parentFulfillmentId>
          <uniqueId>HID-111384</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID__d79b1d8_11c9a8bfb08__7d96</fulfillmentId>
          </primaryKeys>
        </parentFulfillmentId>
        <fulfillmentSource>ONLINE</fulfillmentSource>
```

XML Example

```
        <totalCopies>100</totalCopies>
        <numberOfRemainingCopies>50</numberOfRemainingCopies>
        <isTrusted>false</isTrusted>
        <vendorDaemonName>opsqa</vendorDaemonName>
      </fulfillment>
</getFulfillmentPropertiesResponse>
```

Element: getFulfillmentsQueryRequest

Description

A **getFulfillmentsQueryRequest** message contains an element of getFulfillmentsQueryRequestType.

Derived By

Type getFulfillmentsQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	fulfillmentsQueryParametersType	0..1	Required. See fulfillmentsQueryParametersType.
pageNumber	integer	1..1	Required. Starts at 1. Say the getFulfillmentCount operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.
includeLicenseText	boolean	0..1	Optional. Whether to include in the response the text of each individual license for each fulfillment. Default is true.
includeConsolidatedHostLicense	boolean	0..1	Optional. Whether to include in the response the text of one or more license files consolidated by host for all the fulfillments, if FlexNet Operations has been configured to use the SUPERSEDE keyword. If FlexNet Operations is not configured to use the SUPERSEDE keyword, the fulfillment's consolidated host license text is identical to the fulfillment's license text. Default is false.

Referenced By

Name	Type
getFulfillmentsQuery	Method

XML Example

The following XML fragment illustrates a **getFulfillmentsQueryRequest** message:

```
<getFulfillmentsQueryRequest>
  <queryParams>
    <activationId>
      <value>Ent_basic_1</value>
      <searchType>EQUALS</searchType>
    </activationId>
  </queryParams>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
</getFulfillmentsQueryRequest>
```

Element: getFulfillmentsQueryResponse

Description

A **getFulfillmentsQueryResponse** message contains an element of getFulfillmentsQueryResponseType.

Derived By

Type getFulfillmentsQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getFulfillmentsQueryResponseDataType</td><td>0..1</td><td>See getFulfillmentsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getFulfillmentsQuery	Method

XML Example

The following XML fragment illustrates a successful **getFulfillmentsQueryResponse** message:

```
<getFulfillmentsQueryResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillment>
      <entitlementIdentifier>
```

XML Example


```
      <uniqueId>HID-100270</uniqueId>
      <primaryKeys>
        <entitlementId>Ent_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <fulfillmentIdentifier>
      <uniqueId>HID-100349</uniqueId>
      <primaryKeys>
        <fulfillmentId>FID_18c5...86f1__7ffb</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <fulfillmentType>CERTIFICATE</fulfillmentType>
    <lineItem>
      <uniqueId>HID-100288</uniqueId>
      <primaryKeys>
        <activationId>Ent_basic_1</activationId>
      </primaryKeys>
    </lineItem>
    <product>
      <uniqueId>HID-100245</uniqueId>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </product>
    <soldTo>SENTRY</soldTo>
    <serverIds>
      <server1>HOSTNAME=testserver</server1>
    </serverIds>
    <fulfilledCount>5</fulfilledCount>
    <overDraftCount>3</overDraftCount>
    <fulfillDate>2005-11-12</fulfillDate>
    <isPermanent>false</isPermanent>
    <startDate>2005-11-30</startDate>
    <expirationDate>2006-11-30</expirationDate>
    <licenseText>entire_license_text</licenseText>
    <supportAction>MASTER</supportAction>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>vendor string</stringValue>
      </attribute>
    </licenseModelAttributes>
    <state>ACTIVE</state>
  </fulfillment>
</responseData>
</getFulfillmentsQueryResponse>
```


Element: getHostAttributesRequest

Description

A **getHostAttributesRequest** message contains an element of getHostAttributesRequestType.

Derived By

Type getHostAttributesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
licenseTechnologyIdentifier	licenseTechnologyIdentifierType	1..1	License technology of the product. See licenseTechnologyIdentifierType.
hostType	hostTypePKType	0..1	If a license technology has more than 1 host type, the host type must be specified. See hostTypePKType.

Referenced By

Name	Type
getHostAttributesFromLicenseTechnology	Method

XML Example

The following XML fragment illustrates a **getHostAttributesRequest** message:

```
<getHostAttributesRequest>
    <licenseTechnologyIdentifier>
        <primaryKeys>
            <name>CustomLT</name>
        </primaryKeys>
    </licenseTechnologyIdentifier>
</getHostAttributesRequest>
```

Element: getHostAttributesResponse

Description

A **getHostAttributesFromLicenseTechnology** message contains an element of getHostAttributesResponseType.

Derived By

Type getHostAttributesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getHostAttributesDataType</td><td>0..1</td><td>See getHostAttributesDataType.</td></tr>
</table>

Referenced By

Name	Type
getHostAttributesFromLicenseTechnology	Method

XML Example

The following XML fragment illustrates a successful **getHostAttributesResponse** message:

```
<getHostAttributesResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <hostAttributes>
        <attribute>
```

XML Example

```
            <attributeName>HostAttr1</attributeName>
            <attributeDataType>NUMBER</attributeDataType>
            <namespace>CustomLT</namespace>
          </attribute>
        </hostAttributes>
      </responseData>
    </getHostAttributesResponse>
```

Element: manualActivationRequest

Description

A **manualActivationRequest** message contains an element of trustedRequestType.

Derived By

Type trustedRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
inputData	activationDataType	1..1	Required. A **manualActivationRequest** contains a single **inputData** element. See activationDataType.

Referenced By

Name	Type
manualActivation	Method

XML Example

The following XML fragment illustrates a **manualActivationRequest** message:

```
<manualActivationRequest>
  <inputData>
    <activationData>...</activationData>
  </inputData>
</manualActivationRequest>
```

Element: manualActivationResponse

Description

A **manualActivationResponse** message contains an element of trustedResponseType.

Derived By

Type trustedResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—The request was processed. • FAILURE—The request was not processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason if failure.</td></tr></table>
responseData	activationDataType	0..1	If the request was processed successfully, **responseData** contains an XML response string in an **activationData** element. This response is saved in a file and delivered back to the customer to enter into an activation utility.

Referenced By

Name	Type
manualActivation	Method

XML Example

The following XML fragment illustrates a successful **manualActivationResponse** message:

```
<manualActivationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <activationData>...</activationData>
  </responseData>
</manualActivationResponse>
```

Element: manualRepairRequest

Description

A **manualRepairRequest** message contains an element of trustedRequestType.

Derived By

Type trustedRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
inputData	activationDataType	1..1	Required. A **manualActivationRequest** contains a single **inputData** element. See activationDataType.

Referenced By

Name	Type
manualRepair	Method

XML Example

The following XML fragment illustrates a **manualRepairRequest** message:

```
<manualRepairRequest>
  <inputData>
    <activationData>...</activationData>
  </inputData>
</manualRepairRequest>
```

Element: manualRepairResponse

Description

A **manualRepairResponse** message contains an element of trustedResponseType.

Derived By

Type trustedResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—The request was processed.
• FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>activationDataType</td><td>0..1</td><td>If the request was processed successfully, responseData contains an XML response string in an activationData element. This response is saved in a file and delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
manualRepair	Method

XML Example

The following XML fragment illustrates a successful **manualRepairResponse** message:

```
<manualRepairResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <activationData>...</activationData>
  </responseData>
</manualRepairResponse>
```

Element: manualReturnRequest

Description

A **manualReturnRequest** message contains an element of trustedRequestType.

Derived By

Type trustedRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
inputData	activationDataType	1..1	Required. A **manualActivationRequest** contains a single **inputData** element. See activationDataType.

Referenced By

Name	Type
manualReturn	Method

XML Example

The following XML fragment illustrates a **manualReturnRequest** message:

```
<manualReturnRequest>
  <inputData>
    <activationData>...</activationData>
  </inputData>
</manualReturnRequest>
```

Element: manualReturnResponse

Description

A **manualReturnResponse** message contains an element of trustedResponseType.

Derived By

Type trustedResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>activationDataType</td><td>0..1</td><td>If the request was processed successfully, responseData contains an XML response string in an activationData element. This response is saved in a file and delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
manualReturn	Method

XML Example

The following XML fragment illustrates a successful **manualReturnResponse** message:

```
<manualReturnResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <activationData>...</activationData>
  </responseData>
</manualReturnResponse>
```

Element: publisherErrorLicenseRequest

Description

A **publisherErrorLicenseRequest** message contains an element of publisherErrorFulfillmentRequestType.

Derived By

Type publisherErrorFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	publisherErrorFulfillment DataType	1..*	See publisherErrorFulfillmentDataType.

Referenced By

Name	Type
publisherErrorLicense	Method

XML Example

The following XML fragment illustrates a **publisherErrorLicenseRequest** message:

```
<publisherErrorLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_828cab6_14ddc48ce2a__7feb</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <serverIds>
      <server1>HOSTNAME=pe2-myserver1</server1>
    </serverIds>
    <nodeIds>
      <nodeId>HOSTNAME=pe2-mynode1</nodeId>
    </nodeIds>
    <fulfillCount>1</fulfillCount>
  </fulfillment>
</publisherErrorLicenseRequest>
```

Element: publisherErrorLicenseResponse

Description

A **publisherErrorLicenseResponse** message contains an element of publisherErrorFulfillmentResponseType.

Derived By

Type publisherErrorFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	publisherErrorResponseDataType	0..1	See publisherErrorResponseDataType.
failedData	failedPublisherErrorResponselistDataType	0..1	See failedPublisherErrorResponselistDataType.

Referenced By

Name	Type
publisherErrorLicense	Method

XML Example

The following XML fragment illustrates a successful **publisherErrorLicenseResponse** message:

```
<publisherErrorLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillmentData>
      <recordRefNo>1</recordRefNo>
      <fulfillment>
        <entitlementIdentifier>
          <uniqueId>HID-4</uniqueId>
          <primaryKeys>
            <entitlementId>pe1</entitlementId>
          </primaryKeys>
        </entitlementIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-13</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_828cab6_14ddc48ce2a__7fea</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
        <fulfillmentType>CERTIFICATE</fulfillmentType>
        <lineItem>
          <uniqueId>HID-4</uniqueId>
          <primaryKeys>
            <activationId>pe-a1</activationId>
```

XML Example


```
        </primaryKeys>
      </lineItem>
      <product>
        <uniqueId>HID-1</uniqueId>
        <primaryKeys>
          <name>p1</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <soldTo>UNKNOWN_ORG_UNIT</soldTo>
      <shipToEmail/>
      <shipToAddress/>
      <serverIds>
        <server1>HOSTNAME=pe2-myserver1</server1>
      </serverIds>
      <nodeIds>
        <nodeId>HOSTNAME=pe2-mynode1</nodeId>
      </nodeIds>
      <fulfilledCount>1</fulfilledCount>
      <overDraftCount>0</overDraftCount>
      <fulfillDate>2015-06-10</fulfillDate>
      <fulfillDateTime>2015-06-10T09:18:35.622Z</fulfillDateTime>
      <isPermanent>true</isPermanent>
      <startDate>2015-06-10</startDate>
      <licenseText>SERVER this_host HOSTNAME=pe2-myserver1
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 permanent 1 HOSTID=HOSTNAME=pe2-mynode1 \
    ISSUER="My Corporation" ISSUED=10-jun-2015 START=9-jun-2015 \
    SIGN="002F 6162 5139 1979 B943 0C62 44DF 9E00 5BD6 3711 DEB0 \
    4641 9C51 BC4B EA91"</licenseText>
      <consolidatedHostLicense>
        <license>#Please Do not delete this comment line.
SERVER this_host HOSTNAME=pe2-myserver1
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 permanent 1 HOSTID=HOSTNAME=pe2-mynode1 \
    ISSUER="My Corporation" ISSUED=10-jun-2015 START=9-jun-2015 \
    SIGN="002F 6162 5139 1979 B943 0C62 44DF 9E00 5BD6 3711 DEB0 \
    4641 9C51 BC4B EA91"</license>
      </consolidatedHostLicense>
      <supportAction>MASTER</supportAction>
      <lastModifiedDateTime>2015-06-10T09:18:35.646Z</lastModifiedDateTime>
      <parentFulfillmentId>
        <uniqueId>HID-12</uniqueId>
        <primaryKeys>
          <fulfillmentId>FID_828cab6_14ddc48ce2a__7feb</fulfillmentId>
        </primaryKeys>
      </parentFulfillmentId>
      <licenseTechnology>
        <uniqueId>HID-100</uniqueId>
        <primaryKeys>
          <name>FlexNet Licensing</name>
        </primaryKeys>
      </licenseTechnology>
      <licenseModelAttributes>
        <attribute>
          <attributeName>ISSUER</attributeName>
          <stringValue>My Corporation</stringValue>
        </attribute>
        <attribute>
          <attributeName>INCLUDE_USE_SERVER</attributeName>
          <booleanValue>true</booleanValue>
        </attribute>
        <attribute>
          <attributeName>ALLOW_ONE_TERMINAL_SERVER</attributeName>
          <booleanValue>false</booleanValue>
```

XML Example


```
            </attribute>
            <attribute>
              <attributeName>NOTICE</attributeName>
            </attribute>
            <attribute>
              <attributeName>SERIAL_NUMBER</attributeName>
            </attribute>
            <attribute>
              <attributeName>VENDOR_STRING</attributeName>
            </attribute>
          </licenseModelAttributes>
          <state>ACTIVE</state>
          <fulfillmentSource>ONLINE</fulfillmentSource>
          <licenseFiles>
            <licenseFile>
              <licenseFileDefinitionName>FNP License</licenseFileDefinitionName>
              <licenseText>SERVER this_host HOSTNAME=pe2-myserver1
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 permanent 1 HOSTID=HOSTNAME=pe2-mynode1 \
       ISSUER="My Corporation" ISSUED=10-jun-2015 START=9-jun-2015 \
SIGN="002F 6162 5139 1979 B943 0C62 44DF 9E00 5BD6 3711 DEB0 \
4641 9C51 BC4B EA91"</licenseText>
            </licenseFile>
          </licenseFiles>
          <entitledProducts>
            <entitledProduct>
              <product>
                <uniqueId>HID-1</uniqueId>
                <primaryKeys>
                  <name>p1</name>
                  <version>1.0</version>
                </primaryKeys>
              </product>
              <quantity>1</quantity>
            </entitledProduct>
          </entitledProducts>
          <activationType>DEFAULT</activationType>
        </fulfillment>
      </fulfillmentData>
    </responseData>
  </publisherErrorLicenseResponse>
```


Element: rehostLicenseRequest

Description

A **rehostLicenseRequest** message contains an element of rehostFulfillmentRequestType.

Derived By

Type rehostFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	rehostFulfillmentDataType	1..*	Required. A **rehostLicenseRequest** contains an array of **fulfillment** elements. See rehostFulfillmentDataType.

Referenced By

Name	Type
rehostLicense	Method

XML Example

The following XML fragment illustrates a **rehostLicenseRequest** message:

```
<rehostLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_18c5...1__7ffb</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <serverIds>
      <server1>432143214321</server1>
    </serverIds>
    <partialCount>3</partialCount>
    <overDraftCount>1</overDraftCount>
  </fulfillment>
</rehostLicenseRequest>
```

Element: rehostLicenseResponse

Description

A **rehostLicenseResponse** message contains an element of rehostFulfillmentResponseType.

Each fulfillment in the **rehostLicenseRequest** is rehosted as an atomic unit; rehosting each either succeeds or fails

Derived By

Type rehostFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>rehostResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were rehosted is listed in the responseData element. See rehostResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedRehostResponselistDataType</td><td>0..1</td><td>Information about the fulfillments that were not rehosted is listed in the failedData element. See failedRehostResponselistDataType.</td></tr>
</table>

Referenced By

Name	Type
rehostLicense	Method

XML Example

The following XML fragment illustrates a successful **rehostLicenseResponse** message:

```
<rehostLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example


```
<fulfillmentData>
  <recordRefNo>1</recordRefNo>
  <fulfillment>
    <entitlementIdentifier>
      <uniqueId>HID-100270</uniqueId>
      <primaryKeys>
        <entitlementId>Ent_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <fulfillmentIdentifier>
      <uniqueId>HID-100418</uniqueId>
      <primaryKeys>
        <fulfillmentId>FID_18c5...86f1__7ff6</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <fulfillmentType>CERTIFICATE</fulfillmentType>
    <lineItem>
      <uniqueId>HID-100288</uniqueId>
      <primaryKeys>
        <activationId>Ent_basic_1</activationId>
      </primaryKeys>
    </lineItem>
    <product>
      <uniqueId>HID-100245</uniqueId>
      <primaryKeys>
        <name>Product_basic</name>
        <version>1.0</version>
      </primaryKeys>
    </product>
    <soldTo>SENTRY</soldTo>
    <serverIds>
      <server1>HOSTNAME=newserver</server1>
    </serverIds>
    <fulfilledCount>3</fulfilledCount>
    <overDraftCount>1</overDraftCount>
    <fulfillDate>2005-11-12</fulfillDate>
    <isPermanent>false</isPermanent>
    <startDate>2005-11-30</startDate>
    <expirationDate>2006-11-30</expirationDate>
    <licenseText>entire_license_text</licenseText>
    <supportAction>REHOST</supportAction>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>vendor string</stringValue>
      </attribute>
    </licenseModelAttributes>
    <state>ACTIVE</state>
  </fulfillment>
  <fulfillment>
    <entitlementIdentifier>
      <uniqueId>HID-100270</uniqueId>
      <primaryKeys>
        <entitlementId>Ent_basic</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <fulfillmentIdentifier>
      <uniqueId>HID-100433</uniqueId>
      <primaryKeys>
        <fulfillmentId>FID_18c5...ff86f1__7ff5</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <fulfillmentType>CERTIFICATE</fulfillmentType>
    <lineItem>
      <uniqueId>HID-100288</uniqueId>
      <primaryKeys>
        <activationId>Ent_basic_1</activationId>
```

XML Example

```
        </primaryKeys>
      </lineItem>
      <product>
        <uniqueId>HID-100245</uniqueId>
        <primaryKeys>
          <name>Product_basic</name>
          <version>1.0</version>
        </primaryKeys>
      </product>
      <soldTo>SENTRY</soldTo>
      <serverIds>
        <server1>HOSTNAME=testserver</server1>
      </serverIds>
      <fulfilledCount>2</fulfilledCount>
      <overDraftCount>2</overDraftCount>
      <fulfillDate>2005-11-12</fulfillDate>
      <isPermanent>false</isPermanent>
      <startDate>2005-11-30</startDate>
      <expirationDate>2006-11-30</expirationDate>
      <licenseText>entire_license_text</licenseText>
      <supportAction>REHOST</supportAction>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>vendor string</stringValue>
        </attribute>
      </licenseModelAttributes>
      <state>ACTIVE</state>
    </fulfillment>
  </fulfillmentData>
</responseData>
</rehostLicenseResponse>
```

Element: renewFulfillmentRequest

Description

A **renewFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.

Derived By

Type advancedFulfillmentLCRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentList	advancedFulfillmentLCListType	1..1	Required. An **renewFulfillmentRequest** contains an array of **fulfillmentList** elements. See advancedFulfillmentLCListType.

Referenced By

Name	Type
renewFulfillment	Method

XML Example

The following XML fragment illustrates a **renewFulfillmentRequest** message:

```
<renewFulfillmentRequest>
  <fulfillmentList>
    <fulfillment>
      <fulfillmentId>FID_1fcf0ce_567236d5d31__7ffd</fulfillmentId>
      <childActivationId>A-Renew-1R</childActivationId>
      <fulfillCount>1</fulfillCount>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>vs</stringValue>
        </attribute>
      </licenseModelAttributes>
      <overridePolicy>false</overridePolicy>
    </fulfillment>
  </fulfillmentList>
</renewFulfillmentRequest>
```

Element: renewFulfillmentResponse

Description

A **renewFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType.

Each fulfillment in the **renewFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.

Derived By

Type advancedFulfillmentLCResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>advancedFmtLCResponseDataListType</td><td>0..1</td><td>Information about the fulfillments that were created is listed in the responseData element. See advancedFmtLCResponseDataListType.</td></tr>
<tr><td>failedData</td><td>failedAdvancedFmtLCResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were not created is listed in the failedData element. See failedAdvancedFmtLCResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
renewFulfillment	Method

XML Example

The following XML fragment illustrates a successful **renewFulfillmentResponse** message:

```
<renewFulfillmentResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <fulfillment>
      <recordRefNo>1</recordRefNo>
      <upgradedFulfillmentInfo>
        <uniqueId>HID-104188</uniqueId>
        <fulfillmentId>FID_1fcf0ce_1467f05f9df__7ffd</fulfillmentId>
        <licenseText>...</licenseText>
      </upgradedFulfillmentInfo>
    </fulfillment>
  </responseData>
</renewFulfillmentResponse>
```

Element: repairLicenseRequest

Description

A **repairLicenseRequest** message contains an element of repairFulfillmentRequestType.

Derived By

Type repairFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	repairFulfillmentDataType	1..*	Required. A **repairLicenseRequest** contains an array of **fulfillment** elements. See repairFulfillmentDataType.

Referenced By

Name	Type
repairLicense	Method

XML Example

The following XML fragment illustrates a **repairLicenseRequest** message:

```
<repairLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_34085e71_7f2d_4ec9_9669_312f2e85bcde</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <licenseModelAttributes>
      <attribute>
        <attributeName>VENDOR_STRING</attributeName>
        <stringValue>MyVendorString</stringValue>
```

XML Example

```
        </attribute>
      </licenseModelAttributes>
      <overridePolicy>false</overridePolicy>
    </fulfillment>
  </repairLicenseRequest>
```

Element: repairLicenseResponse

Description

A **repairLicenseResponse** message contains an element of repairFulfillmentResponseType.

Each fulfillment in the **repairLicenseRequest** is repaired as an atomic unit; repairing each either succeeds or fails.

Derived By

Type repairFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>repairResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were repaired is listed in the responseData element. See repairResponseDataType.</td></tr>
<tr><td>failedData</td><td>failedRepairResponselistDataType</td><td>0..1</td><td>Information about the fulfillments that were not repaired is listed in the failedData element. See failedRepairResponselistDataType.</td></tr>
</table>

Referenced By

Name	Type
repairLicense	Method

XML Example

The following XML fragment illustrates a successful **repairLicenseResponse** message:

```
<repairLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example


```
<fulfillmentData>
  <recordRefNo>1</recordRefNo>
  <fulfillment>
    <entitlementIdentifier>
      <uniqueId>HID-1</uniqueId>
      <primaryKeys>
        <entitlementId>se1</entitlementId>
      </primaryKeys>
    </entitlementIdentifier>
    <fulfillmentIdentifier>
      <uniqueId>HID-2</uniqueId>
      <primaryKeys>
        <fulfillmentId>FID_09455881_9759_45f4_9eab_25a0cf21ddbe</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <fulfillmentType>CERTIFICATE</fulfillmentType>
    <lineItem>
      <uniqueId>HID-1</uniqueId>
      <primaryKeys>
        <activationId>se1-1</activationId>
      </primaryKeys>
    </lineItem>
    <product>
      <uniqueId>HID-1</uniqueId>
      <primaryKeys>
        <name>P1</name>
        <version>1.0</version>
      </primaryKeys>
    </product>
    <soldTo>O1</soldTo>
    <shipToEmail/>
    <shipToAddress/>
    <serverIds>
      <server1>DISPLAY=test</server1>
    </serverIds>
    <fulfilledCount>1</fulfilledCount>
    <overDraftCount>0</overDraftCount>
    <fulfillDate>2015-10-01</fulfillDate>
    <fulfillDateTime>2015-10-01T21:52:07.041Z</fulfillDateTime>
    <isPermanent>false</isPermanent>
    <startDate>2015-10-01</startDate>
    <expirationDate>2015-10-30</expirationDate>
    <licenseText>SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 1 VENDOR_STRING=MyVendorString \
        ISSUER="My Corporation" ISSUED=1-oct-2015 START=30-sep-2015 \
        SIGN="0076 6AE8 ABD2 354B BD51 8F7B B077 6200 F018 DB16 941C \
        97A5 E0EA 450C 5EB0"</licenseText>
      <consolidatedHostLicense>
        <license>#Please Do not delete this comment line.
SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 1 VENDOR_STRING=MyVendorString \
        ISSUER="My Corporation" ISSUED=1-oct-2015 START=30-sep-2015 \
        SIGN="0076 6AE8 ABD2 354B BD51 8F7B B077 6200 F018 DB16 941C \
        97A5 E0EA 450C 5EB0"</license>
      </consolidatedHostLicense>
      <supportAction>MASTER</supportAction>
      <lastModifiedDateTime>2015-10-01T21:52:07.096Z</lastModifiedDateTime>
      <parentFulfillmentId>
        <uniqueId>HID-1</uniqueId>
        <primaryKeys>
          <fulfillmentId>FID_34085e71_7f2d_4ec9_9669_312f2e85bcde</fulfillmentId>
        </primaryKeys>
      </parentFulfillmentId>
```

XML Example


```
          <licenseTechnology>
            <uniqueId>HID-2</uniqueId>
            <primaryKeys>
              <name>FlexNet Licensing</name>
            </primaryKeys>
          </licenseTechnology>
          <licenseModelAttributes>
            <attribute>
              <attributeName>ISSUER</attributeName>
              <stringValue>My Corporation</stringValue>
            </attribute>
            <attribute>
              <attributeName>INCLUDE_USE_SERVER</attributeName>
              <booleanValue>true</booleanValue>
            </attribute>
            <attribute>
              <attributeName>ALLOW_ONE_TERMINAL_SERVER</attributeName>
              <booleanValue>false</booleanValue>
            </attribute>
            <attribute>
              <attributeName>NOTICE</attributeName>
            </attribute>
            <attribute>
              <attributeName>SERIAL_NUMBER</attributeName>
            </attribute>
            <attribute>
              <attributeName>VENDOR_STRING</attributeName>
              <stringValue>MyVendorString</stringValue>
            </attribute>
          </licenseModelAttributes>
          <state>ACTIVE</state>
          <fulfillmentSource>APPLICATION</fulfillmentSource>
          <licenseFiles>
            <licenseFile>
              <licenseFileDefinitionName>FNP License</licenseFileDefinitionName>
              <licenseText>SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 1 VENDOR_STRING=MyVendorString \
        ISSUER="My Corporation" ISSUED=1-oct-2015 START=30-sep-2015 \
        SIGN="0076 6AE8 ABD2 354B BD51 8F7B B077 6200 F018 DB16 941C \
        97A5 E0EA 450C 5EB0"</licenseText>
            </licenseFile>
          </licenseFiles>
          <entitledProducts>
            <entitledProduct>
              <product>
                <uniqueId>HID-1</uniqueId>
                <primaryKeys>
                  <name>P1</name>
                  <version>1.0</version>
                </primaryKeys>
              </product>
              <quantity>1</quantity>
            </entitledProduct>
          </entitledProducts>
          <activationType>DEFAULT</activationType>
        </fulfillment>
      </fulfillmentData>
    </responseData>
  </repairLicenseResponse>
```


Element: repairShortCodeRequest

Description

A **repairShortCodeRequest** message contains an element of repairShortCodeRequestType.

Derived By

Type repairShortCodeRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	repairShortCodeDataType	0..1	Required. A **repairShortCodeRequest** contains a **shortCodeData** element. See repairShortCodeDataType.

Referenced By

Name	Type
repairShortCode	Method

XML Example

The following XML fragment illustrates a **repairShortCodeRequest** message:

```
<repairShortCodeRequest>
  <shortCodeData>
    <shortCode>...</shortCode>
    <webRegkey>WRK-1</webRegkey>
  </shortCodeData>
</repairShortCodeRequest>
```

Element: repairShortCodeResponse

Description

A **repairShortCodeResponse** message contains an element of repairShortCodeResponseType.

Derived By

Type repairShortCodeResponseType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
• SUCCESS—The request was processed.
• FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRepairShortCodeDataType</td><td>0..1</td><td>Information about a short code repair response that was not generated is listed in the failedData element. See failedRepairShortCodeDataType.</td></tr>
<tr><td>responseData</td><td>repairedShortCodeDataType</td><td>0..1</td><td>Information about a short code repair response that was generated is listed in the responseData element. responseData contains a shortCode repair response string. This response is delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
repairShortCode	Method

XML Example

The following XML fragment illustrates a successful **repairShortCodeResponse** message:

```
<repairShortCodeResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <shortCode>...</shortCode>
  </responseData>
</repairShortCodeResponse>
```

Element: returnLicenseRequest

Description

A **returnLicenseRequest** message contains an element of returnFulfillmentRequestType.

Derived By

Type returnFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	returnFulfillmentDataType	1..*	Required. A **returnLicenseRequest** contains an array of **fulfillment** elements. See returnFulfillmentDataType.

Referenced By

Name	Type
returnLicense	Method

XML Example

The following XML fragment illustrates a **returnLicenseRequest** message:

```
<returnLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_f614ad8f_c508_4648_aeaa_29e18babc3a8</fulfillmentId>
      </primaryKeys>
    </fulfillmentIdentifier>
    <partialCount>1</partialCount>
    <overridePolicy>false</overridePolicy>
  </fulfillment></returnLicenseRequest>
```

Element: returnLicenseResponse

Description

A **returnLicenseResponse** message contains an element of returnFulfillmentResponseType.

Each fulfillment in the **returnLicenseRequest** is returned as an atomic unit; returning each either succeeds or fails.

Derived By

Type returnFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	returnResponseDataType	0..1	Information about the fulfillments that were returned is listed in the **responseData** element. For **returnLicense**, this data is only populated in the case of a partial return, not a successful one. See returnResponseDataType.
failedData	failedReturnResponselistDataType	0..1	Information about the fulfillments that were not returned is listed in the **failedData** element. See failedReturnResponselistDataType.

Referenced By

Name	Type
returnLicense	Method

XML Example

The following XML fragment illustrates a successful **returnLicenseResponse** message:

XML Example


```
<returnLicenseResponse xmlns="urn:com.macrovision:flexnet/operations">
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillmentData>
      <recordRefNo>1</recordRefNo>
      <fulfillment>
        <entitlementIdentifier>
          <uniqueId>HID-1</uniqueId>
          <primaryKeys>
            <entitlementId>se1</entitlementId>
          </primaryKeys>
        </entitlementIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-4</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_fabb1487_940d_4c4f_9e66_d468cace5bb7</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
        <fulfillmentType>CERTIFICATE</fulfillmentType>
        <lineItem>
          <uniqueId>HID-1</uniqueId>
          <primaryKeys>
            <activationId>se1-1</activationId>
          </primaryKeys>
        </lineItem>
        <product>
          <uniqueId>HID-1</uniqueId>
          <primaryKeys>
            <name>P1</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <soldTo>O1</soldTo>
        <shipToEmail/>
        <shipToAddress/>
        <serverIds>
          <server1>DISPLAY=test</server1>
        </serverIds>
        <fulfilledCount>2</fulfilledCount>
        <overDraftCount>0</overDraftCount>
        <fulfillDate>2015-10-01</fulfillDate>
        <fulfillDateTime>2015-10-01T21:57:23.238Z</fulfillDateTime>
        <isPermanent>false</isPermanent>
        <startDate>2015-10-01</startDate>
        <expirationDate>2015-10-30</expirationDate>
        <licenseText>SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 2 ISSUER="My Corporation" \
        ISSUED=1-oct-2015 START=30-sep-2015 SIGN="002A 4DB7 4541 C283 \
        8C82 F10A 5F6C 3B00 AAE3 3CC2 9203 8367 FA9F 05A8 1D06"</licenseText>
        <consolidatedHostLicense>
          <license>#Please Do not delete this comment line.
SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 2 ISSUER="My Corporation" \
        ISSUED=1-oct-2015 START=30-sep-2015 SIGN="002A 4DB7 4541 C283 \
        8C82 F10A 5F6C 3B00 AAE3 3CC2 9203 8367 FA9F 05A8 1D06"</license>
        </consolidatedHostLicense>
        <supportAction>MASTER</supportAction>
        <lastModifiedDateTime>2015-10-01T21:57:23.280Z</lastModifiedDateTime>
        <parentFulfillmentId>
          <uniqueId>HID-3</uniqueId>
          <primaryKeys>
```

XML Example


```
            <fulfillmentId>FID_f614ad8f_c508_4648_aeaa_29e18babc3a8</fulfillmentId>
          </primaryKeys>
        </parentFulfillmentId>
        <licenseTechnology>
          <uniqueId>HID-2</uniqueId>
          <primaryKeys>
            <name>FlexNet Licensing</name>
          </primaryKeys>
        </licenseTechnology>
        <licenseModelAttributes>
          <attribute>
            <attributeName>ISSUER</attributeName>
            <stringValue>My Corporation</stringValue>
          </attribute>
          <attribute>
            <attributeName>INCLUDE_USE_SERVER</attributeName>
            <booleanValue>true</booleanValue>
          </attribute>
          <attribute>
            <attributeName>ALLOW_ONE_TERMINAL_SERVER</attributeName>
            <booleanValue>false</booleanValue>
          </attribute>
          <attribute>
            <attributeName>NOTICE</attributeName>
          </attribute>
          <attribute>
            <attributeName>SERIAL_NUMBER</attributeName>
          </attribute>
          <attribute>
            <attributeName>VENDOR_STRING</attributeName>
          </attribute>
        </licenseModelAttributes>
        <state>ACTIVE</state>
        <fulfillmentSource>ONLINE</fulfillmentSource>
        <licenseFiles>
          <licenseFile>
            <licenseFileDefinitionName>FNP License</licenseFileDefinitionName>
            <licenseText>SERVER this_host DISPLAY=test
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 30-oct-2015 2 ISSUER="My Corporation" \
      ISSUED=1-oct-2015 START=30-sep-2015 SIGN="002A 4DB7 4541 C283 \
      8C82 F10A 5F6C 3B00 AAE3 3CC2 9203 8367 FA9F 05A8 1D06"</licenseText>
          </licenseFile>
        </licenseFiles>
        <entitledProducts>
          <entitledProduct>
            <product>
              <uniqueId>HID-1</uniqueId>
              <primaryKeys>
                <name>P1</name>
                <version>1.0</version>
              </primaryKeys>
            </product>
            <quantity>1</quantity>
          </entitledProduct>
        </entitledProducts>
        <activationType>DEFAULT</activationType>
      </fulfillment>
    </fulfillmentData>
  </responseData>
</returnLicenseResponse>
```

Element: returnShortCodeRequest

Description

A **returnShortCodeRequest** message contains an element of returnShortCodeRequestType.

Derived By

Type returnShortCodeRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
shortCodeData	returnShortCodeDataType	0..1	Required. A **returnShortCodeRequest** contains a **shortCodeData** element. See returnShortCodeDataType.
returnReason	ReturnedShortCodeReturnReason	0..1	Optional. The **returnReason** value can be: • UPGRADE • UPSELL • RENEW • REHOST The **returnReason** value affects which policy FlexNet Operations checks for the return—return policy or rehost policy. If the return reason is REHOST, the rehost policy is checked. For any other return reason or if no reason is specified, the return policy is checked.

Referenced By

Name	Type
returnShortCode	Method

XML Example

The following XML fragment illustrates a **returnShortCodeRequest** message:

```
<returnShortCodeRequest>
  <shortCodeData>
    <shortCode>...</shortCode>
    <webRegkey>WRK-1</webRegkey>
  </shortCodeData>
  <returnReason>REHOST</returnReason>
</returnShortCodeRequest>
```

Element: returnShortCodeResponse

Description

A **returnShortCodeResponse** message contains an element of returnShortCodeResponseType.

Derived By

Type returnShortCodeResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—The request was processed.
FAILURE—The request was not processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason if failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedReturnShortCodeDataType</td><td>0..1</td><td>Information about a short code return response that was not generated is listed in the failedData element. See failedReturnShortCodeDataType.</td></tr>
<tr><td>responseData</td><td>returnedShortCodeDataType</td><td>0..1</td><td>Information about a short code return response that was generated is listed in the responseData element. responseData contains a shortCode return response string. This response is delivered back to the customer to enter into an activation utility.</td></tr>
</table>

Referenced By

Name	Type
returnShortCode	Method

XML Example

The following XML fragment illustrates a successful **returnShortCodeResponse** message:

XML Example

```
<returnShortCodeResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <shortCode>...</shortCode>
  </responseData>
</returnShortCodeResponse>
```

Element: setLicenseRequest

Description

A **setLicenseRequest** message contains an element of setLicenseRequestType.

Derived By

Type setLicenseRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
onholdFulfillmentList	onholdFulfillmentListType	1..1	See onholdFulfillmentListType.

Referenced By

Name	Type
setLicense	Method

XML Example

The following XML fragment illustrates a **setLicenseRequest** message:

```
<setLicenseRequest>
    <onholdFulfillmentList>
      <onholdFmtLicenseData>
        <fulfillmentId>FID_293c149a_11a36fd4eab__7ff2</fulfillmentId>
        <textLicense>test license</textLicense>
      </onholdFmtLicenseData>
    </onholdFulfillmentList>
  </setLicenseRequest>
```

Element: setLicenseResponse

Description

A **setLicenseResponse** message contains an element of setLicenseResponseType.

Derived By

Type setLicenseResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedSetLicenseOnholdFulfillmentListType</td><td>0..1</td><td>Populated if setting the license failed. See failedSetLicenseOnholdFulfillmentListType.</td></tr>
</table>

Referenced By

Name	Type
setLicense	Method

XML Example

The following XML fragment illustrates a successful **setLicenseResponse** message:

```
<setLicenseResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
  </setLicenseResponse>
```

Element: stopGapLicenseRequest

Description

A **stopGapLicenseRequest** message contains an element of stopGapFulfillmentRequestType.

Derived By

Type stopGapFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	stopGapFulfillmentDataType	1..*	See stopGapFulfillmentDataType.

Referenced By

Name	Type
stopGapLicense	Method

XML Example

The following XML fragment illustrates a **stopGapLicenseRequest** message:

```
<stopGapLicenseRequest>
  <fulfillment>
    <fulfillmentIdentifier>
      <primaryKeys>
        <fulfillmentId>FID_828cab6_14ddc48ce2a__7ff0</fulfillmentId>
      </primaryKeys>
```

XML Example

```
    </fulfillmentIdentifier>
    <startDate>2015-06-06</startDate>
    <endDate>2015-08-09</endDate>
  </fulfillment>
</stopGapLicenseRequest>
```

Element: stopGapLicenseResponse

Description

A **stopGapLicenseResponse** message contains an element of stopGapFulfillmentResponseType.

Derived By

Type stopGapFulfillmentResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	Returns one of the following: • SUCCESS—All entitlements in the request were processed. • PARTIAL_FAILURE—Some, but not all entitlements in the request were processed. • FAILURE—None of the entitlements in the request were processed.
responseData	stopGapResponseDataType	0..1	See stopGapResponseDataType.
failedData	failedStopGapResponselistDataType	0..1	See failedStopGapResponselistDataType.

Referenced By

Name	Type
stopGapLicense	Method

XML Example

The following XML fragment illustrates a successful **stopGapLicenseResponse** message:

XML Example


```
<stopGapLicenseResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <fulfillmentData>
      <recordRefNo>1</recordRefNo>
      <fulfillment>
        <entitlementIdentifier>
          <uniqueId>HID-3</uniqueId>
          <primaryKeys>
            <entitlementId>sg1</entitlementId>
          </primaryKeys>
        </entitlementIdentifier>
        <fulfillmentIdentifier>
          <uniqueId>HID-9</uniqueId>
          <primaryKeys>
            <fulfillmentId>FID_828cab6_14ddc48ce2a__7fef</fulfillmentId>
          </primaryKeys>
        </fulfillmentIdentifier>
        <fulfillmentType>CERTIFICATE</fulfillmentType>
        <lineItem>
          <uniqueId>HID-3</uniqueId>
          <primaryKeys>
            <activationId>sga1</activationId>
          </primaryKeys>
        </lineItem>
        <product>
          <uniqueId>HID-1</uniqueId>
          <primaryKeys>
            <name>p1</name>
            <version>1.0</version>
          </primaryKeys>
        </product>
        <soldTo>UNKNOWN_ORG_UNIT</soldTo>
        <shipToEmail/>
        <shipToAddress/>
        <serverIds>
          <server1>HOSTNAME=sgh2</server1>
        </serverIds>
        <nodeIds>
          <nodeId>HOSTNAME=sghh2</nodeId>
        </nodeIds>
        <fulfilledCount>2</fulfilledCount>
        <overDraftCount>0</overDraftCount>
        <fulfillDate>2015-06-10</fulfillDate>
        <fulfillDateTime>2015-06-10T09:00:43.635Z</fulfillDateTime>
        <isPermanent>false</isPermanent>
        <startDate>2015-06-05</startDate>
        <expirationDate>2015-08-08</expirationDate>
        <licenseText>SERVER this_host HOSTNAME=sgh2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-aug-2015 2 HOSTID=HOSTNAME=sghh2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="0050 \
      D5D5 3608 DE22 36D4 46C1 71F5 DB00 9F39 5D06 FE37 C792 0D8B \
      4F42 13FD"</licenseText>
        <consolidatedHostLicense>
          <license>#Please Do not delete this comment line.
SERVER this_host HOSTNAME=sgh2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-aug-2015 2 HOSTID=HOSTNAME=sghh2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="0050 \
      D5D5 3608 DE22 36D4 46C1 71F5 DB00 9F39 5D06 FE37 C792 0D8B \
      4F42 13FD"</license>
        </consolidatedHostLicense>
```

XML Example


```
          <supportAction>STOPGAP</supportAction>
          <lastModifiedDateTime>2015-06-10T09:00:43.642Z</lastModifiedDateTime>
          <parentFulfillmentId>
            <uniqueId>HID-8</uniqueId>
            <primaryKeys>
              <fulfillmentId>FID_828cab6_14ddc48ce2a__7ff0</fulfillmentId>
            </primaryKeys>
          </parentFulfillmentId>
          <licenseTechnology>
            <uniqueId>HID-100</uniqueId>
            <primaryKeys>
              <name>FlexNet Licensing</name>
            </primaryKeys>
          </licenseTechnology>
          <licenseModelAttributes>
            <attribute>
              <attributeName>ISSUER</attributeName>
              <stringValue>My Corporation</stringValue>
            </attribute>
            <attribute>
              <attributeName>INCLUDE_USE_SERVER</attributeName>
              <booleanValue>true</booleanValue>
            </attribute>
            <attribute>
              <attributeName>ALLOW_ONE_TERMINAL_SERVER</attributeName>
              <booleanValue>false</booleanValue>
            </attribute>
            <attribute>
              <attributeName>NOTICE</attributeName>
            </attribute>
            <attribute>
              <attributeName>SERIAL_NUMBER</attributeName>
            </attribute>
            <attribute>
              <attributeName>VENDOR_STRING</attributeName>
            </attribute>
          </licenseModelAttributes>
          <state>ACTIVE</state>
          <fulfillmentSource>APPLICATION</fulfillmentSource>
          <licenseFiles>
            <licenseFile>
              <licenseFileDefinitionName>FNP License</licenseFileDefinitionName>
              <licenseText>SERVER this_host HOSTNAME=sgh2
VENDOR demo
USE_SERVER
INCREMENT f1 demo 1.0 8-aug-2015 2 HOSTID=HOSTNAME=sghh2 ISSUER="My \
      Corporation" ISSUED=10-jun-2015 START=5-jun-2015 SIGN="0050 \
      D5D5 3608 DE22 36D4 46C1 71F5 DB00 9F39 5D06 FE37 C792 0D8B \
      4F42 13FD"</licenseText>
            </licenseFile>
          </licenseFiles>
          <entitledProducts>
            <entitledProduct>
              <product>
                <uniqueId>HID-1</uniqueId>
                <primaryKeys>
                  <name>p1</name>
                  <version>1.0</version>
                </primaryKeys>
              </product>
              <quantity>1</quantity>
            </entitledProduct>
          </entitledProducts>
          <activationType>DEFAULT</activationType>
        </fulfillment>
      </fulfillmentData>
    </responseData>
```

XML Example

```
</stopGapLicenseResponse>
```

Element: transferHostRequest

Description

A **transferHostRequest** message contains an element of transferHostRequestType.

Derived By

Type transferHostRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sourceHosts	transferHostList	1..1	Required. See transferHostList.
soldTo	string	0..1	A string that identifies the target organization by its organization name.
poolEntitlements	boolean	0..1	True, if existing, matching line items at the target organization are to be pooled. False, to always create new line items at the target organization.

Referenced By

Name	Type
transferHost	Method

XML Example

The following XML fragment illustrates a **transferHostRequest** message:

```
<transferHostRequest>
  <sourceHosts>
    <hostIdentifier>
      <soldTo>ACME</soldTo>
      <serverIds>
        <server1>DISPLAY=up</server1>
      </serverIds>
    </hostIdentifier>
  </sourceHosts>
  <soldTo>WILY</soldTo>
  <poolEntitlements>false</poolEntitlements>
</transferHostRequest>
```

Element: transferHostResponse

Description

A **transferHostResponse** message contains an element of transferHostResponseType.

Each entitlement in the **transferHostResponseType** is transferred as an atomic unit; transferring each either succeeds or fails.

Derived By

Type transferHostResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All items in the request were processed. • PARTIAL_FAILURE—Some, but not all items in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the items in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
failedData	failedTransferHostListDataType	0..1	Information about the line items that were not added is listed in the **failedData** element. See failedTransferHostListDataType.

Referenced By

Name	Type
transferHost	Method

XML Example

The following XML fragment illustrates a successful **transferEntitlementsResponse** message:

```
<transferHostResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</transferHostResponse>
```

The following XML fragment illustrates a failed **transferEntitlementsResponse** message:

```
<transferHostResponse>
  <statusInfo>
    <status>FAILURE</status>
  </statusInfo>
  <failedData>
    <failedHost>
      <hostIdentifier>
        <soldTo>ACME</soldTo>
        <serverIds>
        <server1>DISPLAY=up1</server1>
        </serverIds>
      </hostIdentifier>
      <reason>20257:Host ID is invalid.</reason>
    </failedHost>
  </failedData>
</transferHostResponse>
```

Element: upgradeFulfillmentRequest

Description

An **upgradeFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.

Derived By

Type advancedFulfillmentLCRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentList	advancedFulfillmentLCListType	1..1	Required. An **renewFulfillmentRequest** contains an array of **fulfillmentList** elements. See advancedFulfillmentLCListType.

Referenced By

Name	Type
upgradeFulfillment	Method

XML Example

The following XML fragment illustrates an **upgradeFulfillmentRequest** message:

```
<upgradeFulfillmentRequest>
  <fulfillmentList>
    <fulfillment>
      <fulfillmentId>FID_1fcf0ce_1112f05f9df__7ffc</fulfillmentId>
      <startDate>2008-03-04</startDate>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>vs</stringValue>
        </attribute>
      </licenseModelAttributes>
      <overridePolicy>false</overridePolicy>
    </fulfillment>
  </fulfillmentList>
</upgradeFulfillmentRequest>
```

Element: upgradeFulfillmentResponse

Description

An **upgradeFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType.

Each fulfillment in the **upgradeFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.

Derived By

Type advancedFulfillmentLCResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>advancedFmtLCResponseDataListType</td><td>0..1</td><td>Information about the fulfillments that were created is listed in the responseData element. See advancedFmtLCResponseDataListType.</td></tr>
<tr><td>failedData</td><td>failedAdvancedFmtLCResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were not created is listed in the failedData element. See failedAdvancedFmtLCResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
upgradeFulfillment	Method

XML Example

The following XML fragment illustrates a successful **upgradeFulfillmentResponse** message:

```
<upgradeFulfillmentResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <fulfillment>
      <recordRefNo>1</recordRefNo>
      <upgradedFulfillmentInfo>
        <uniqueId>HID-104314</uniqueId>
        <fulfillmentId>FID_1fcf0ce_1112f05f9df__7ffa</fulfillmentId>
        <licenseText>...</licenseText>
      </upgradedFulfillmentInfo>
    </fulfillment>
  </responseData>
</upgradeFulfillmentResponse>
```

Element: upsellFulfillmentRequest

Description

An **upsellFulfillmentRequest** message contains an element of advancedFulfillmentLCRequestType.

Derived By

Type advancedFulfillmentLCRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillmentList	advancedFulfillmentLCListType	1..1	Required. An **renewFulfillmentRequest** contains an array of **fulfillmentList** elements. See advancedFulfillmentLCListType.

Referenced By

Name	Type
upsellFulfillment	Method

XML Example

The following XML fragment illustrates an **upsellFulfillmentRequest** message:

```
<upsellFulfillmentRequest>
  <fulfillmentList>
    <fulfillment>
      <fulfillmentId>FID_1fcf0ce_1e52f05f9df__7ffb</fulfillmentId>
      <startDate>2008-03-04</startDate>
      <licenseModelAttributes>
        <attribute>
          <attributeName>VENDOR_STRING</attributeName>
          <stringValue>vs</stringValue>
        </attribute>
      </licenseModelAttributes>
```

XML Example

```
        <overridePolicy>false</overridePolicy>
      </fulfillment>
    </fulfillmentList>
  </upsellFulfillmentRequest>
```

Element: upsellFulfillmentResponse

Description

An **upsellFulfillmentResponse** message contains an element of advancedFulfillmentLCResponseType.

Each fulfillment in the **upsellFulfillmentRequest** is created as an atomic unit; creating each either succeeds or fails.

Derived By

Type advancedFulfillmentLCResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All entitlements in the request were processed.
PARTIAL_FAILURE—Some, but not all entitlements in the request were processed.
FAILURE—None of the entitlements in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>advancedFmtLCResponseDataListType</td><td>0..1</td><td>Information about the fulfillments that were created is listed in the responseData element. See advancedFmtLCResponseDataListType.</td></tr>
<tr><td>failedData</td><td>failedAdvancedFmtLCResponseDataType</td><td>0..1</td><td>Information about the fulfillments that were not created is listed in the failedData element. See failedAdvancedFmtLCResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
upsellFulfillment	Method

XML Example

The following XML fragment illustrates a successful **upsellFulfillmentResponse** message:

```
<upsellFulfillmentResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
```

XML Example

```
    <fulfillment>
      <recordRefNo>1</recordRefNo>
      <upgradedFulfillmentInfo>
        <uniqueId>HID-104360</uniqueId>
        <fulfillmentId>FID_1fcf0ce_1112f05f9df__7ff9</fulfillmentId>
        <licenseText>...</licenseText>
      </upgradedFulfillmentInfo>
    </fulfillment>
  </responseData>
</upsellFulfillmentResponse>
```

Element: verifyCreateLicenseRequest

Description

A **verifyCreateLicenseRequest** message contains an element of createFulfillmentRequestType.

Derived By

Type createFulfillmentRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
fulfillment	createFulfillmentDataType	1..*	Required. A **createFulfillmentRequest** contains an array of **fulfillment** elements to be verified. See createFulfillmentDataType.

Referenced By

Name	Type
verifyCreateLicense	Method

XML Example

The following XML fragment illustrates a **verifyCreateLicenseRequest** message:

```
<verifyCreateLicenseRequest>
  <fulfillment>
    <activationId>Ent_basic_1</activationId>
    <fulfillCount>5</fulfillCount>
    <overDraftCount>3</overDraftCount>
    <startDate>2005-11-30</startDate>
    <serverIds>
      <server1>HOSTNAME=testserver</server1>
    </serverIds>
    <licenseModelAttributes>
      <attribute>
```

XML Example

```
            <attributeName>VENDOR_STRING</attributeName>
            <stringValue>vendor string</stringValue>
          </attribute>
        </licenseModelAttributes>
      </fulfillment>
    </verifyCreateLicenseRequest>
```

Element: verifyCreateLicenseResponse

Description

A **verifyCreateLicenseResponse** message contains an element of createFulfillmentResponseType.

Derived By

Type [createFulfillmentResponseType]

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All items in the request were processed.
PARTIAL_FAILURE—Some, but not all items in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the items in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were not verified is listed in the failedData element. See failedFulfillmentDataListType.</td></tr>
<tr><td>responseData</td><td>createdFulfillmentDataListType</td><td>0..1</td><td>Information about the licenses that were verified is listed in the responseData element. See createdFulfillmentDataListType.</td></tr>
</table>

Referenced By

Name	Type
verifyCreateLicense	Method

XML Example

The following XML fragment illustrates a successful **verifyCreateLicenseResponse** message:

```
<verifyCreateLicenseResponse>
  <statusInfo>
```

XML Example


```
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <createdFulfillment>
        <recordRefNo>1</recordRefNo>
        <uniqueId>HID-100349</uniqueId>
        <fulfillmentId>FID_18c5...86f1__7ffb</fulfillmentId>
        <licenseText>entire_license_text</licenseText>
      </createdFulfillment>
    </responseData>
  </verifyCreateLicenseResponse>
```

UserOrgHierarchyService Web Service

Description

Web service to create, update and query organizational hierarchies as well as to create, update or delete users and user roles in an organization.

Introduction

The Organization Hierarchy service manages organizational hierarchies.

Methods: UserOrgHierarchyService

Methods

Name	Description
createOrganization	The **createOrganization** operation takes the details of one or more organizations and adds them to the system.
createUser	The **createUser** operation is used to create one or more FlexNet domain users or contacts and link them to one or more organizations.
deleteOrganization	The **deleteOrganization** operation is used to delete one or more organizations.
deleteUser	The **deleteUser** operation is used to delete users and contacts in an organization, including FlexNet domain users and domain users from the FlexNet Operations database.
getOrganizationCount	The **getOrganizationCount** operation takes one or more query parameters and returns the matching number of organizations.
getOrganizationsQuery	The **getOrganizationsQuery** operation takes one or more query parameters and returns the matching organizations.
getParentOrganizations	The **getParentOrganizations** operation takes one organization and returns its first-level parents.
getRelatedOrganizations	The **getRelatedOrganizations** takes the name of an organization and returns the CHANNEL_PARTNER or CUSTOMER organizations to which the organization is related. The response will be SUCCESS but return no records if the organization is • A CHANNEL_PARTNER or CUSTOMER organization without any relationships • An organization of a type other than CHANNEL_PARTNER or CUSTOMER
getSubOrganizations	The **getSubOrganizations** operation takes one organization and returns its first-level child suborganizations.
getUserCount	The **getUserCount** operation takes one or more query parameters and returns the matching number of users.
getUserPermissions	The **getUserPermissions** operation returns a list of permissions based on the roles a given user has within their organizations. This takes in a username and domain name as inputs and returns out a list of permissions, the user's name and org type.
getUsersQuery	The **getUsersQuery** operation takes one or more query parameters and returns the matching users.
linkOrganizations	The **linkOrganizations** operation is used to build an organization hierarchy from existing organizations.
relateOrganizations	The **relateOrganizations** operation connects two organizations into channel partner relationships.
updateOrganization	The **updateOrganization** operation is used to update organization details.
updateUser	The **updateUser** operation is used to update user details.
updateUserRoles	The **updateUserRoles** operation is used to update user roles in an organization.

Method: createOrganization

Description

The **createOrganization** operation takes the details of one or more organizations and adds them to the system.

Parameters

Name	Type	Direction	Description
msgparameters	createOrgRequestType	Input	See createOrgRequestType.

Returns

A createOrgResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedCreateOrgDataListType	See failedCreateOrgDataListType.
responseData	createdOrganizationDataListType	See createdOrganizationDataListType.

Method: createUser

Description

The **createUser** operation is used to create one or more FlexNet domain users or contacts and link them to one or more organizations.

Parameters

Name	Type	Direction	Description
msgparameters	createUserRequestType	Input	See createUserRequestType.

Returns

A createUserResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedCreateUserDataListType	See failedCreateUserDataListType.
responseData	createdUserDataListType	See createdUserDataListType.

Method: deleteOrganization

Description

The **deleteOrganization** operation is used to delete one or more organizations.

Parameters

Name	Type	Direction	Description
msgparameters	deleteOrganizationRequestType	Input	See deleteOrganizationRequestType.

Returns

A deleteOrganizationResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteOrgDataListType	See failedDeleteOrgDataListType.

Method: deleteUser

Description

The **deleteUser** operation is used to delete users and contacts in an organization, including FlexNet domain users and domain users from the FlexNet Operations database.

Parameters

Name	Type	Direction	Description
msgparameters	deleteUserRequestType	Input	See deleteUserRequestType.

Returns

A deleteUserResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedDeleteUserDataListType	See failedDeleteUserDataListType.

Method: getOrganizationCount

Description

The **getOrganizationCount** operation takes one or more query parameters and returns the matching number of organizations.

Parameters

Name	Type	Direction	Description
msgparameters	getOrganizationCountRequestType	Input	See getOrganizationCountRequestType.

Returns

A getOrganizationCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getOrganizationCountResponseDataType	See getOrganizationCountResponseDataType.

Method: getOrganizationsQuery

Description

The **getOrganizationsQuery** operation takes one or more query parameters and returns the matching organizations.

Parameters

Name	Type	Direction	Description
msgparameters	getOrganizationsQueryRequestType	Input	See getOrganizationsQueryRequestType.

Returns

A getOrganizationsQueryResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getOrganizationsQueryResponseDataType	See getOrganizationsQueryResponseDataType.

Method: getParentOrganizations

Description

The **getParentOrganizations** operation takes one organization and returns its first-level parents.

Parameters

Name	Type	Direction	Description
msgparameters	getParentOrganizationsRequestType	Input	See getParentOrganizationsRequestType.

Returns

A getParentOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getOrganizationsQueryResponseDataType	See getOrganizationsQueryResponseDataType.

Method: getRelatedOrganizations

Description

The **getRelatedOrganizations** takes the name of an organization and returns the CHANNEL_PARTNER or CUSTOMER organizations to which the organization is related.

The response will be SUCCESS but return no records if the organization is

Description

- A CHANNEL_PARTNER or CUSTOMER organization without any relationships
- An organization of a type other than CHANNEL_PARTNER or CUSTOMER

Parameters

Name	Type	Direction	Description
msgparameters	getRelatedOrganizationsRequestType	Input	See getRelatedOrganizationsRequestType.

Returns

A getRelatedOrganizationsResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Method: getSubOrganizations

Description

The **getSubOrganizations** operation takes one organization and returns its first-level child suborganizations.

Parameters

Name	Type	Direction	Description
msgparameters	getSubOrganizationsRequestType	Input	See getSubOrganizationsRequestType.

Returns

A getSubOrganizationsResponse element having the structure defined by the following table.

<table>
<tr><th>Name</th><th>Type</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Method: getUserCount

Description

The **getUserCount** operation takes one or more query parameters and returns the matching number of users.

Parameters

Name	Type	Direction	Description
msgparameters	getUserCountRequestType	Input	See getUserCountRequestType.

Returns

A getUserCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getUserCountResponseDataType	See getUserCountResponseDataType.

Method: getUserPermissions

Description

The **getUserPermissions** operation returns a list of permissions based on the roles a given user has within their organizations. This takes in a username and domain name as inputs and returns out a list of permissions, the user's name and org type.

Parameters

Name	Type	Direction	Description
msgparameters	getUserPermissionsRequestType	Input	See getUserPermissionsRequestType.

Returns

A getUserPermissionsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Status Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getUserPermissionsResponseDataType	See getUserPermissionsResponseDataType.

Method: getUsersQuery

Description

The **getUsersQuery** operation takes one or more query parameters and returns the matching users.

Parameters

Name	Type	Direction	Description
msgparameters	getUsersQueryRequestType	Input	See getUsersQueryRequestType.

Returns

A getUsersQueryResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
responseData	getUsersQueryResponseDataType	See getUsersQueryResponseDataType.

Method: linkOrganizations

Description

The **linkOrganizations** operation is used to build an organization hierarchy from existing organizations.

Parameters

Name	Type	Direction	Description
msgparameters	linkOrganizationsRequestType	Input	See linkOrganizationsRequestType.

Returns

A linkOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedLinkOrgDataListType	See failedLinkOrgDataListType.

Method: relateOrganizations

Description

The **relateOrganizations** operation connects two organizations into channel partner relationships.

Parameters

Name	Type	Direction	Description
msgparameters	relateOrganizationsRequestType	Input	See relateOrganizationsRequestType.

Returns

A relateOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedRelateOrganizationsDataListType	See failedRelateOrganizationsDataListType.

Method: updateOrganization

Description

The **updateOrganization** operation is used to update organization details.

Parameters

Name	Type	Direction	Description
msgparameters	updateOrganizationRequestType	Input	See updateOrganizationRequestType.

Returns

A updateOrganizationResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateOrgDataListType	See failedUpdateOrgDataListType.

Method: updateUser

Description

The **updateUser** operation is used to update user details.

Parameters

Name	Type	Direction	Description
msgparameters	updateUserRequestType	Input	See updateUserRequestType.

Returns

A updateUserResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateUserDataListType	See failedUpdateUserDataListType.

Method: updateUserRoles

Description

The **updateUserRoles** operation is used to update user roles in an organization.

Parameters

Name	Type	Direction	Description
msgparameters	updateUserRolesRequestType	Input	See updateUserRolesRequestType.

Returns

A updateUserRolesResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfoType	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedUpdateUserRolesDataListType	See failedUpdateUserRolesDataListType.

Complex Types: UserOrgHierarchyService

Complex Types

Name
accountIdentifierType
accountPKType
addressDataType
attributeDescriptorDataType
attributeDescriptorType
createdOrganizationDataListType
createdUserDataListType
createOrgRequestType
createOrgResponseType
createUserDataType
createUserOrganizationRolesListType
createUserOrganizationsListType
createUserOrganizationType
createUserRequestType
createUserResponseType
DateTimeQueryType
deleteOrganizationRequestType
deleteOrganizationResponseType
deleteOrgDataType
deleteUserRequestType
deleteUserResponseType
failedCreateOrgDataListType
failedCreateOrgDataType
failedCreateUserDataListType
failedCreateUserDataType
failedDeleteOrgDataListType
failedDeleteOrgDataType
failedDeleteUserDataListType
failedDeleteUserDataType
failedLinkOrgDataListType
failedLinkOrgDataType
failedRelateOrganizationsDataListType
failedRelateOrganizationsDataType
failedUpdateOrgDataListType

Complex Types

Name
failedUpdateOrgDataType
failedUpdateUserDataListType
failedUpdateUserDataType
failedUpdateUserRolesDataListType
failedUpdateUserRolesDataType
featureIdentifierType
getOrganizationCountRequestType
getOrganizationCountResponseDataType
getOrganizationCountResponseType
getOrganizationsQueryRequestType
getOrganizationsQueryResponseDataType
getOrganizationsQueryResponseType
getParentOrganizationsRequestType
getParentOrganizationsResponseType
getRelatedOrganizationsRequestType
getRelatedOrganizationsResponseType
getSubOrganizationsRequestType
getSubOrganizationsResponseType
getUserCountRequestType
getUserCountResponseDataType
getUserCountResponseType
getUserPermissionsRequestType
getUserPermissionsResponseDataType
getUserPermissionsResponseType
getUsersQueryRequestType
getUsersQueryResponseDataType
getUsersQueryResponseType
linkOrganizationsDataType
linkOrganizationsRequestType
linkOrganizationsResponseType
organizationDataType
organizationDetailDataType
organizationIdentifierType
organizationPKType
organizationQueryParametersType

Complex Types

Name
OrgTypeList
relateOrganizationsDataType
relateOrganizationsRequestType
relateOrganizationsResponseType
roleIdentifierType
rolePKType
updateOrganizationRequestType
updateOrganizationResponseType
updateOrgDataType
updateRelatedOrganizationsListType
updateSubOrganizationsListType
updateUserDataType
updateUserOrganizationRolesListType
updateUserOrganizationsListType
updateUserOrganizationType
updateUserRequestType
updateUserResponseType
updateUserRolesDataType
updateUserRolesListType
updateUserRolesOrganizationDataType
updateUserRolesRequestType
updateUserRolesResponseType
userCustomAttributeQueryType
userCustomAttributesQueryListType
userDetailDataType
userIdentifierType
userPKType
userQueryParametersType
versionDateAttributesType

Complex Type: accountIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	
primaryKeys	accountPKType	0..1	

Complex Type: accountPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	

Complex Type: addressDataType

Description

All of these elements are optional.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
address1	string	0..1	First line of address.
address2	string	0..1	Second line of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.

Content Model

Component	Type	Occurs	Description
zipcode	string	0..1	Postal code.
country	string	0..1	Country, in two-letter ISO-3166 code. If not provided, defaults to US.
region	string	0..1	Address region.

Complex Type: attributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeDescriptorType	0..*	**attribute** contains a required string **attributeName** and one attributeDescriptorType.

Complex Type: attributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the attribute.
CHOICE		1..1	
arrayValue	string	0..*	Array of string values of the attribute.
booleanValue	boolean	0..1	Boolean value of the attribute.
dateValue	date	0..1	Date value of the attribute.
integerValue	integer	0..1	Integer value of the attribute.
stringValue	string	0..1	String value of the attribute.

Complex Type: createdOrganizationDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	0..*	See organizationIdentifierType.

Complex Type: createdUserDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	0..*	See userIdentifierType.

Complex Type: createOrgRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationDataType	1..*	Required. See organizationDataType.

Content Model

Component	Type	Occurs	Description
opType	CreateOrUpdateOperationType	0..1	Specifies how FlexNet Operations behaves when creating organizations. For details, see CreateOrUpdateOperationType. If no **opType** is set, FlexNet Operations creates the specified organization unless the organization already exists. When the organization already exists, the operation fails. Note: **opType** is available in UserOrgHierarchyService v1 and later.

Referenced By

Name	Type
createOrgRequest	Element
createOrganization	Method

Complex Type: createOrgResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
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<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
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</td></tr>
<tr><td>failedData</td><td>failedCreateOrgDataListType</td><td>0..1</td><td>See failedCreateOrgDataListType.</td></tr>
<tr><td>responseData</td><td>createdOrganizationDataListType</td><td>0..1</td><td>See createdOrganizationDataListType.</td></tr>
</table>

Referenced By

Name	Type
createOrgResponse	Element

Complex Type: createUserDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	User first name. Required.
lastName	string	1..1	User last name. Required.
displayName	string	0..1	User's display name.
emailAddress	string	1..1	User's email address. Required.
optIn	boolean	0..1	Required. Does the user wish to receive email?
phoneNumber	string	0..1	User's phone number.
faxNumber	string	0..1	User's fax number.
street	string	0..1	Street portion of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.
country	string	0..1	Two-letter country code.
locale	string	0..1	User's locale.
canLogin	boolean	1..1	Can the user log in? If not, user information is kept only for contact purposes.
userName	string	0..1	User's FlexNet Operations login name. • If **canLogin** is set to false, this field is ignored. • if **canLogin** is set to true, this field is required.
status	UserStatusType	0..1	Status can be one of the following values: • Active • Inactive
timezone	UserTimeZoneType	0..1	Optional. Provide time zone setting in ISO-8601 format (+/-hh:mm) as an offset from GMT. For example, -08:00 or +05:30 (note that the string GMT is not included in the value). A value of Z corresponds to GMT. When a user is saved, this offset is converted to a time zone string and the time zone string is displayed when a user is retrieved.
shared	boolean	0..1	Is this a shared login among several users?
orgRolesList	createUserOrganizationsListType	1..1	Required. Set user's organization and list of the user's roles. User name and roles are required if the user can log in. See createUserOrganizationsListType.

Content Model

Component	Type	Occurs	Description
customAttributes	attributeDescriptorDataType	0..1	Custom attributes attached to this user. See attributeDescriptorDataType.

Complex Type: createUserOrganizationRolesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
role	roleIdentifierType	1..*	See roleIdentifierType.

Complex Type: createUserOrganizationsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgRoles	createUserOrganizationType	1..*	See createUserOrganizationType.

Complex Type: createUserOrganizationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	See organizationIdentifierType.
roles	createUserOrganizationRolesListType	0..1	See createUserOrganizationRolesListType.

Complex Type: createUserRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	createUserDataType	1..*	Required. See createUserDataType.

Content Model

Component	Type	Occurs	Description
opType	CreateOrUpdateOperationType	0..1	Specifies how FlexNet Operations behaves when creating users. For details, see CreateOrUpdateOperationType. • If no **opType** is set, FlexNet Operations creates the specified user unless the user or contact already exists. When the user or contact already exists, the operation fails. • If the user does not exist and the **opType** is set to either **CREATE_OR_UPDATE** or **CREATE_OR_IGNORE**, the operation will succeed unless the existing contact already belongs to another user. If the contact exists but does not belong to another user, it will create the user and update the contact with the new user. • If both the user and contact exist and the **opType** is set to **CREATE_OR_UPDATE**, the request will update the contact. • If both the user and contact exist and the **opType** is set to **CREATE_OR_IGNORE**, the request will not update the contact. **Note: opType** is available in UserOrgHierarchyService v1 and later.

Referenced By

Name	Type
createUserRequest	Element
createUser	Method

Complex Type: createUserResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
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<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
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<tr><td>responseData</td><td>createdUserDataListType</td><td>0..1</td><td>See createdUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
createUserResponse	Element

Complex Type: DateTimeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	dateTime	1..1	A date and time value to compare to the last modified date and time value. For example, 2011-05-04T22:00:00.
searchType	datedSearchType	1..1	One of the following datedSearchType values: • BEFORE • AFTER • ON

Complex Type: deleteOrganizationRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	deleteOrgDataType	1..*	Organization to be deleted. See deleteOrgDataType.

Referenced By

Name	Type
deleteOrganizationRequest	Element
deleteOrganization	Method

Complex Type: deleteOrganizationResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>failedData</td><td>failedDeleteOrgDataListType</td><td>0..1</td><td>See failedDeleteOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteOrganizationResponse	Element

Complex Type: deleteOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of parent organization. See organizationIdentifierType.
deleteSubTree	boolean	0..1	If true, deletes the entire organization subtree as well. (Default value is true.)

Complex Type: deleteUserRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..*	User to be deleted. See userIdentifierType.

Referenced By

Name	Type
deleteUserRequest	Element
deleteUser	Method

Complex Type: deleteUserResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>failedData</td><td>failedDeleteUserDataListType</td><td>0..1</td><td>See failedDeleteUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteUserResponse	Element

Complex Type: failedCreateOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrg	failedCreateOrgDataType	0..*	See failedCreateOrgDataType.

Complex Type: failedCreateOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationDataType	0..1	See organizationDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedCreateUserDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUser	failedCreateUserDataType	0..*	See failedCreateUserDataType.

Complex Type: failedCreateUserDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	createUserDataType	0..1	See createUserDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedDeleteOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrg	failedDeleteOrgDataType	0..*	See failedDeleteOrgDataType.

Complex Type: failedDeleteOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	deleteOrgDataType	0..1	See deleteOrgDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedDeleteUserDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUser	failedDeleteUserDataType	0..*	See failedDeleteUserDataType.

Complex Type: failedDeleteUserDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	0..1	See userIdentifierType.
reason	string	0..1	Reason for failure.

Complex Type: failedLinkOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrgData	failedLinkOrgDataType	0..*	See failedLinkOrgDataType.

Complex Type: failedLinkOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	linkOrganizationsDataType	0..1	See linkOrganizationsDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedRelateOrganizationsDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrgData	failedRelateOrganizationsDataType	0..*	See failedRelateOrganizationsDataType.

Complex Type: failedRelateOrganizationsDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	relateOrganizationsDataType	0..1	See relateOrganizationsDataType.

Content Model

Component	Type	Occurs	Description
reason	string	0..1	Reason for failure.

Complex Type: failedUpdateOrgDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedOrg	failedUpdateOrgDataType	0..*	See failedUpdateOrgDataType.

Complex Type: failedUpdateOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	updateOrgDataType	0..1	See updateOrgDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedUpdateUserDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUser	failedUpdateUserDataType	0..*	See failedUpdateUserDataType.

Complex Type: failedUpdateUserDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserDataType	0..1	See updateUserDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedUpdateUserRolesDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedUser	failedUpdateUserRolesDataType	0..*	See failedUpdateUserRolesDataType.

Complex Type: failedUpdateUserRolesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserRolesDataType	0..1	See updateUserRolesDataType.
reason	string	0..1	Reason for failure.

Complex Type: featureIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the feature, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the feature.
primaryKeys	featurePKType	0..1	Database primary keys of the feature—strings containing name and, if the feature version format is FIXED, the version of the feature. If the feature version format is DATE_BASED, specify only name.

Complex Type: getOrganizationCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	organizationQueryParametersType	0..1	Required. See organizationQueryParametersType. Leave this element blank to return all CUSTOMER organizations.

Referenced By

Name	Type
getOrganizationCountRequest	Element
getOrganizationCount	Method

Complex Type: getOrganizationCountResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
count	integer	1..1	Number of matching organizations.

Complex Type: getOrganizationCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationCountResponseDataType</td><td>0..1</td><td>See getOrganizationCountResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getOrganizationCountResponse	Element

Complex Type: getOrganizationsQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	organizationQueryParametersType	0..1	Required. See organizationQueryParametersType. Leave this element blank to return all CUSTOMER organizations.
pageNumber	integer	1..1	Required. Starts at 1. Say the getOrganizationsQuery operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getOrganizationsQueryRequest	Element
getOrganizationsQuery	Method

Complex Type: getOrganizationsQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	organizationDetailDataType	0..*	See organizationDetailDataType.

Complex Type: getOrganizationsQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

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<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getOrganizationsQueryResponse	Element

Complex Type: getParentOrganizationsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getParentOrganizationsRequest	Element
getParentOrganizations	Method

Complex Type: getParentOrganizationsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
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</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getParentOrganizationsResponse	Element

Complex Type: getRelatedOrganizationsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getRelatedOrganizationsRequest	Element
getRelatedOrganizations	Method

Complex Type: getRelatedOrganizationsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getRelatedOrganizationsResponse	Element

Complex Type: getSubOrganizationsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getSubOrganizationsRequest	Element
getSubOrganizations	Method

Complex Type: getSubOrganizationsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
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<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getSubOrganizationsResponse	Element

Complex Type: getUserCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	userQueryParametersType	0..1	Required. See userQueryParametersType. Leave this element blank to return all users.

Referenced By

Name	Type
getUserCountRequest	Element
getUserCount	Method

Complex Type: getUserCountResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
count	integer	1..1	Number of matching users.

Complex Type: getUserCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</td></tr>
<tr><td>responseData</td><td>getUserCountResponseDataType</td><td>0..1</td><td>See getUserCountResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUserCountResponse	Element

Complex Type: getUserPermissionsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userName	string	1..1	The username for which permissions will be retrieved.
domainName	string	0..1	The previous username's domain.

Referenced By

Name	Type
getUserPermissionsRequest	Element
getUserPermissions	Method

Complex Type: getUserPermissionsResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userName	string	1..1	The username from the input.
orgType	string	1..1	The org type of the first org the user belongs to.
permissions	permissionListType	1..1	The list of permissions that the user has been granted. This will be shown as a string roughly in the format "platform:view.and.manage.users".

Complex Type: getUserPermissionsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</td></tr>
<tr><td>responseData</td><td>getUserPermissionsResponseDataType</td><td>0..1</td><td>See getUserPermissionsResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUserPermissionsResponse	Element

Complex Type: getUsersQueryRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	userQueryParametersType	0..1	Required. See userQueryParametersType. Leave this element blank to return all users.
pageNumber	integer	1..1	Required. Starts at 1. Say the getUsersQuery operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getUsersQueryRequest	Element
getUsersQuery	Method

Complex Type: getUsersQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userDetailDataType	0..*	See userDetailDataType.

Complex Type: getUsersQueryResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>responseData</td><td>getUsersQueryResponseDataType</td><td>0..1</td><td>See getUsersQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUsersQueryResponse	Element

Complex Type: linkOrganizationsDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
parentOrg	organizationIdentifierType	1..1	Organization identifier of parent organization. See organizationIdentifierType.
subOrg	organizationIdentifierType	1..1	Organization identifier of suborganization. See organizationIdentifierType.

Complex Type: linkOrganizationsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	linkOrganizationsDataType	1..*	Required. A link between exactly one root organization and exactly one suborganization is expressed as an orgData element. A hierarchy with multiple root organizations or multiple sub organizations is constructed link by link with multiple orgData elements in a request. See linkOrganizationsDataType.

Referenced By

Name	Type
linkOrganizationsRequest	Element
linkOrganizations	Method

Complex Type: linkOrganizationsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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<tr><td>failedData</td><td>failedLinkOrgDataListType</td><td>0..1</td><td>See failedLinkOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
linkOrganizationsResponse	Element

Complex Type: organizationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Required. Displayed as **Organization Identifier** (short organization name) in the web interface.
displayName	string	1..1	Required. Displayed as **Display Name** (full organization name) in the web interface.
description	string	0..1	Optional. Description of the organization.
address	addressDataType	0..1	Optional. Organization physical address. See addressDataType.
visible	boolean	0..1	Optional. Applicable to CUSTOMER and CHANNEL_PARTNER organizations, visible determines whether or not an organization unrelated to this organization can see the name of this organization when it is in a channel partner tier of an entitlement, line item, or device. If visible is false, this organization will appear as **Name Withheld** to unrelated organizations. Default: true.
orgType	OrgType	0..1	Optional. Defines the organization type. Valid values: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER Default: CUSTOMER. (You cannot use web services to create a new organization with an orgType of SELF_REGISTERED.)
customAttributes	attributeDescriptorDataType	0..1	Custom attributes attached to this organizataion. See attributeDescriptorDataType.

Complex Type: organizationDetailDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
organization	organizationIdentifierType	1..1	Organization identifier. See organizationIdentifierType.
displayName	string	1..1	Organization display name.
description	string	0..1	Organization description.
address	addressDataType	0..1	Organization physical address. See addressDataType.
visible	boolean	0..1	Optional. Applicable to CUSTOMER and CHANNEL_PARTNER organizations, visible determines whether or not an organization unrelated to this organization can see the name of this organization when it is in a channel partner tier of an entitlement, line item, or device. If visible is false, this organization will appear as **Name Withheld** to unrelated organizations. Default: true.
orgType	OrgType	0..1	Optional. Defines the organization type. orgType can be CUSTOMER, PUBLISHER, or CHANNEL_PARTNER. Default: CUSTOMER. (You cannot use web services to create a new organization with an orgType of SELF_REGISTERED.)
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
dateLastModified	dateTime	0..1	Timestamp representing the last time the organization was modified.

Complex Type: organizationIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Name of the organization.
primaryKeys	organizationPKType	0..1	See organizationPKType.

Complex Type: organizationPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the organization.

Complex Type: organizationQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgName	SimpleQueryType	0..1	Organization name.
orgDisplayName	SimpleQueryType	0..1	Organization display name.
description	SimpleQueryType	0..1	Organization description.
address1	SimpleQueryType	0..1	First line of address.
address2	SimpleQueryType	0..1	Second line of address.
city	SimpleQueryType	0..1	City.
state	SimpleQueryType	0..1	State.
zipcode	SimpleQueryType	0..1	Postal code.
country	SimpleQueryType	0..1	Two-letter country code.
region	SimpleQueryType	0..1	Region.
onlyRootOrgs	boolean	0..1	If true, returns only root organizations.

Content Model

Component	Type	Occurs	Description
orgType	OrgType	0..1	Optional. Defines the organization type. orgType can be: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER Default: CUSTOMER. (You cannot use web services to create a new organization with an orgType of SELF_REGISTERED.)
orgTypeList	OrgTypeList	0..1	See OrgTypeList.
customAttributes	orgCustomAttributesQueryListType	0..1	See orgCustomAttributesQueryListType.
lastModifiedDateTime	DateTimeQueryType	0..1	See DateTimeQueryType.

Complex Type: OrgTypeList

Description

A list of multiple **orgType** elements. Use **orgTypeList** when you want to query organizations of multiple types. Add an **orgType** element to the **orgTypeList** for each organization type you want to include in the query. If no **orgType** or **orgTypeList** is specified, the query searches only CUSTOMER organizations (the default).

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgType	OrgType	1..*	Optional. Defines the organization type. **orgType** can be: • CUSTOMER • PUBLISHER • CHANNEL_PARTNER • SELF_REGISTERED Default: CUSTOMER.

Complex Type: relateOrganizationsDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organizationToRelate	organizationIdentifierType	1..1	Organization identifier of organization for which you want to define a channel partner relationship. See organizationIdentifierType.
relatedOrganization	organizationIdentifierType	1..1	Organization identifier of the organization to relate to organizationToRelate. See organizationIdentifierType.

Complex Type: relateOrganizationsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	relateOrganizationsDataType	1..*	Required. A relationship between two organizations is expressed as an orgData element. The organizations can be two CHANNEL_PARTNER organizations or a CHANNEL_PARTNER organization and a CUSTOMER organization. See relateOrganizationsDataType.

Referenced By

Name	Type
relateOrganizationsRequest	Element
relateOrganizations	Method

Complex Type: relateOrganizationsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedRelateOrganizationsDataListType	0..1	See failedRelateOrganizationsDataListType.

Referenced By

Name	Type
relateOrganizationsResponse	Element

Complex Type: roleIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Role ID.
primaryKeys	rolePKType	0..1	Name of the role.

Complex Type: rolePKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the role

Complex Type: updateOrganizationRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	updateOrgDataType	1..*	Organization to be updated. See Table updateOrgDataType.

Referenced By

Name	Type
updateOrganizationRequest	Element
updateOrganization	Method

Complex Type: updateOrganizationResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>

Content Model

Component	Type	Occurs	Description
failedData	failedUpdateOrgDataListType	0..1	See failedUpdateOrgDataListType.

Referenced By

Name	Type
updateOrganizationResponse	Element

Complex Type: updateOrgDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of an organization to be updated. See organizationIdentifierType.
name	string	0..1	Name of the organization.
displayName	string	0..1	Display name of the organization.
description	string	0..1	Description of the organization.
address	addressDataType	0..1	Organization physical address. See addressDataType.
subOrganizations	updateSubOrganizationsListType	0..1	See updateSubOrganizationsListType.
relatedOrganizations	updateRelatedOrganizationsListType	0..1	See updateRelatedOrganizationsListType.
visible	boolean	0..1	Optional. Applicable to CUSTOMER and CHANNEL_PARTNER organizations, visible determines whether or not an organization unrelated to this organization can see the name of this organization when it is in a channel partner tier of an entitlement, line item, or device. If visible is false, this organization will appear as **Name Withheld** to unrelated organizations. Default: true.
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.

Complex Type: updateRelatedOrganizationsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
relatedOrganization	organizationIdentifierType	1..*	Array of organization identifiers of related organizations. See organizationIdentifierType.
opType	CollectionOperationType	1..1	Type of operation performed on the organization. • **ADD**—add a link to this related organization. • **REPLACE**—replace all current links to related organizations with a link to this organization. • **DELETE**—remove the link between the organization and this related organization.

Complex Type: updateSubOrganizationsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
subOrganization	organizationIdentifierType	1..*	Array of organization identifiers of suborganizations. See organizationIdentifierType.

Content Model

Component	Type	Occurs	Description
opType	CollectionOperationType	1..1	Type of operation performed on the organization. • **ADD**—add a link to this suborganization. • **REPLACE**—replace all current links to first-level suborganizations with a link to this one. • **DELETE**—remove the link between the parent and this suborganization, promoting the suborganization to a root organization if it is not linked to any other parent organizations.

Complex Type: updateUserDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..1	Identifies the user being updated. See userIdentifierType. Required. All other elements are optional.
firstName	string	0..1	User first name.
lastName	string	0..1	User last name.
displayName	string	0..1	User's display name.
emailAddress	string	0..1	User's email address.
optIn	boolean	0..1	Does the user wish to receive email?
phoneNumber	string	0..1	User's phone number.
faxNumber	string	0..1	User's fax number.
street	string	0..1	Street portion of address.
city	string	0..1	City portion of address.
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.

Content Model

Component	Type	Occurs	Description
country	string	0..1	Optional. Country in which contact is located. Provide country in the two-character ISO-3166 format.
status	UserStatusType	0..1	Status can be one of the following values: • Active • Inactive
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US.
timezone	UserTimeZoneType	0..1	Optional. Provide time zone setting in ISO-8601 format (+/-hh:mm) as an offset from GMT. For example, -08:00 or +05:30 (note that the string GMT is not included in the value). A value of Z corresponds to GMT. When a user is saved, this offset is converted to a time zone string and the time zone string is displayed when a user is retrieved.
shared	boolean	0..1	Is this a shared login among several users?
orgRolesList	updateUserOrganizationsListType	0..1	List of the user's roles. See updateUserOrganizationsListType.
customAttributes	attributeDescriptorDataType	0..1	Custom attributes attached to this user. See attributeDescriptorDataType.

Complex Type: updateUserOrganizationRolesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
role	roleIdentifierType	1..*	See roleIdentifierType.

Complex Type: updateUserOrganizationsListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgRoles	updateUserOrganizationType	1..*	List of organization identifiers and roles. See updateUserOrganizationType.
opType	CollectionOperationType	1..1	Type of operation performed on the user's organizations and roles. • **ADD**—add the user to the organization. • **REPLACE**—replace all current links to organizations. Unlike in the Admin Console, it is possible to replace a link from one type of organization to another type. • **DELETE**—remove the link between the user and organization, only if the user is linked to another organization.

Complex Type: updateUserOrganizationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	See organizationIdentifierType.
roles	updateUserOrganizationRolesListType	0..1	See updateUserOrganizationRolesListType.

Complex Type: updateUserRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserDataType	1..*	User to be updated. See updateUserDataType.

Referenced By

Name	Type
updateUserRequest	Element
updateUser	Method

Complex Type: updateUserResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
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<tr><td>failedData</td><td>failedUpdateUserDataListType</td><td>0..1</td><td>See failedUpdateUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUserResponse	Element

Complex Type: updateUserRolesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..1	See userIdentifierType.
orgRoles	updateUserRolesOrganizationDataType	1..1	See updateUserRolesOrganizationDataType.

Complex Type: updateUserRolesListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
role	roleIdentifierType	1..*	See roleIdentifierType.
opType	CollectionOperationType	1..1	Type of operation performed on the user. • **ADD**—assign the user to a role. • **REPLACE**—replace a current role assignment. • **DELETE**—remove the link between the user and a role.

Complex Type: updateUserRolesOrganizationDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
organization	organizationIdentifierType	1..1	See organizationIdentifierType.
roles	updateUserRolesListType	1..1	See updateUserRolesListType.

Complex Type: updateUserRolesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserRolesDataType	1..*	User to be updated. See updateUserRolesDataType.

Referenced By

Name	Type
updateUserRolesRequest	Element
updateUserRoles	Method

Complex Type: updateUserRolesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
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</td></tr>
<tr><td>failedData</td><td>failedUpdateUserRolesDataListType</td><td>0..1</td><td>See failedUpdateUserRolesDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUserRolesResponse	Element

Complex Type: userCustomAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the custom attribute.
stringValue	SimpleQueryType	0..1	Value of the custom attribute.

Complex Type: userCustomAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	userCustomAttributeQueryType	0..*	See userCustomAttributesQueryType.

Complex Type: userDetailDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userIdentifier	userIdentifierType	1..1	See userIdentifierType.
displayName	string	0..1	User's display name.
optIn	boolean	0..1	Does the user wish to receive email?
faxNumber	string	0..1	User's fax number.
street	string	0..1	Street portion of address.
city	string	0..1	City portion of address.

Content Model

Component	Type	Occurs	Description
state	string	0..1	State portion of address.
zipcode	string	0..1	Postal code.
country	string	0..1	Country in which contact is located. Provide country in the two-character ISO-3166 format.
status	UserStatusType	0..1	Status can be one of the following values: • Active • Inactive
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US.
timezone	UserTimeZoneType	0..1	Optional. Provide time zone setting in ISO-8601 format (+/-hh:mm) as an offset from GMT. For example, -08:00 or +05:30 (note that the string GMT is not included in the value). A value of Z corresponds to GMT. When a user is saved, this offset is converted to a time zone string, and the time zone string is displayed when a user is retrieved.
shared	boolean	0..1	Optional. Corresponds to the **Shared Login** control in the administrative console UI. The shared element can be true or false. • **true**—Shared Login is enabled for the user account. This is useful when the same user account is used to log in to FlexNet Operations simultaneously from different instances. Logged in history is not written to the database. • **false**—Shared Login is not enabled for the user account.
domain	string	0..1	User's domain.
dateCreated	dateTime	0..1	Date user was created.
dateLastModified	dateTime	0..1	Date the user account was last modified.
dateLastLogin	dateTime	0..1	Date of user's last login.
orgRolesList	userOrganizationsListType	0..1	List of the user's roles. See userOrganizationsListType.
customAttributes	attributeDescriptorDataType	0..1	Custom attributes attached to this user. See Table attributeDescriptorDataType.

Complex Type: userIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	User's unique ID.
userName	string	0..1	User's FlexNet Operations login name.
primaryKeys	userPKType	0..1	See userPKType.

Complex Type: userPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	User's first name.
lastName	string	1..1	User's last name.
emailAddress	string	1..1	User's email address.
phoneNumber	string	0..1	User's phone number.

Complex Type: userQueryParametersType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
userName	SimpleQueryType	0..1	User's FNO user name. • If **canLogin** is set to false, this fields is ignored. • If **canLogin** is set to true, this field is required.
firstName	SimpleQueryType	0..1	User first name.
lastName	SimpleQueryType	0..1	User last name.
displayName	SimpleQueryType	0..1	User's display name.
emailAddress	SimpleQueryType	0..1	User's email address.
phoneNumber	SimpleQueryType	0..1	User's phone number.
faxNumber	SimpleQueryType	0..1	User's fax number.
street	SimpleQueryType	0..1	Street portion of address.
city	SimpleQueryType	0..1	City portion of address.
state	SimpleQueryType	0..1	State portion of address.
zipcode	SimpleQueryType	0..1	Postal code.
country	SimpleQueryType	0..1	Country in which contact is located. Provide country in the two-character ISO-3166 format.
isActive	boolean	0..1	Is the user currently active?
canLogIn	boolean	0..1	Can the user log in? If not, user information is kept only for contact purposes.
orgName	SimpleQueryType	0..1	Name of any organization to which the user belongs.
orgDisplayName	SimpleQueryType	0..1	Display name of any organization to which the user belongs.
customAttributes	userCustomAttributesQueryListType	0..1	Custom attributes attached to this user. See userCustomAttributeQueryListType.
lastModifiedDateTime	DateTimeQueryType	0..1	Optional. The date and time at which the user account was last modified.
orgType	OrgType	0..1	Optional. Defines the organization type. **orgType** can be • CUSTOMER • PUBLISHER • CHANNEL_PARTNER • SELF_REGISTERED Default: CUSTOMER.

Complex Type: versionDateAttributesType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
versionOption	VersionDateOptionType	1..1	See VersionDateOptionType.
duration	DurationType	0..1	Optional. See DurationType.

Elements: UserOrgHierarchyService

Elements

Name	Description
createOrgRequest	A **createOrgRequest** message contains an element of createOrgRequestType.
createOrgResponse	A **createOrganizationsResponse** message contains an element of createOrgResponseType.
createUserRequest	A **createUserRequest** message contains an element of createUserRequestType.
createUserResponse	A **createUserResponse** message contains an element of createUserResponseType.
deleteOrganizationRequest	A **deleteOrganizationRequest** message contains an element of deleteOrganizationRequestType.
deleteOrganizationResponse	A **deleteOrganizationResponse** message contains an element of deleteOrganizationResponseType.
deleteUserRequest	A **deleteUserRequest** message contains an element of deleteUserRequestType.
deleteUserResponse	A **deleteUserResponse** message contains an element of deleteUserResponseType.
getOrganizationCountRequest	A **getOrganizationCountRequest** message contains an element of getOrganizationCountRequestType.
getOrganizationCountResponse	A **getOrganizationCountResponse** message contains an element of getOrganizationQueryResponseType.
getOrganizationsQueryRequest	A **getOrganizationsQueryRequest** message contains an element of getOrganizationsRequestType.
getOrganizationsQueryResponse	A **getOrganizationsQueryResponse** message contains an element of getOrganizationsQueryResponseType.
getParentOrganizationsRequest	A **getParentOrganizationsRequest** message contains an element of getParentOrganizationsRequestType.
getParentOrganizationsResponse	A **ParentOrganizationsResponse** message contains an element of getParentOrganizationsResponseType.
getRelatedOrganizationsRequest	A **getRelatedOrganizationsRequest** message contains an element of getRelatedOrganizationsRequestType.
getRelatedOrganizationsResponse	A **getRelatedOrganizationsResponse** message contains an element of getRelatedOrganizationsResponseType.
getSubOrganizationsRequest	A **getSubOrganizationsRequest** message contains an element of getSubOrganizationsRequestType.
getSubOrganizationsResponse	A **getSubOrganizationsResponse** message contains an element of getSubOrganizationsResponseType.
getUserCountRequest	A **getUserCountRequest** message contains an element of getOrganizationsRequestType.
getUserCountResponse	A **getUserCountResponse** message contains an element of getUserCountResponseType.
getUserPermissionsRequest	A **getUserPermissionsRequest** message contains an element of getUserPermissionsRequestType.

Elements

Name	Description
getUserPermissionsResponse	A **getUserPermissionsResponse** message contains an element of getUserPermissionsResponseType.
getUsersQueryRequest	A **getUsersQueryRequest** message contains an element of getOrganizationsRequestType.
getUsersQueryResponse	A **getUsersQueryResponse** message contains an element of getUsersQueryResponseType.
linkOrganizationsRequest	A **linkOrganizationsRequest** message contains an element of linkOrganizationsRequestType.
linkOrganizationsResponse	A **linkOrganizationsResponse** message contains an element of linkOrganizationsResponseType.
relateOrganizationsRequest	A **relateOrganizationsRequest** message contains an element of relateOrganizationsRequestType.
relateOrganizationsResponse	A **relateOrganizationsResponse** message contains an element of relateOrganizationsResponseType.
updateOrganizationRequest	An **updateOrganizationRequest** message contains one or more elements of updateOrganizationRequestType.
updateOrganizationResponse	An **updateOrganizationResponse** message contains an element of updateOrganizationResponseType.
updateUserRequest	An **updateUserRequest** message contains an element of updateUserRequestType.
updateUserResponse	An **updateUserResponse** message contains an element of updateUserResponseType.
updateUserRolesRequest	An **updateUserRolesRequest** message contains an element of updateUserRolesRequestType.
updateUserRolesResponse	An **updateUserRolesResponse** message contains an element of updateUserRolesResponseType.

Element: createOrgRequest

Description

A **createOrgRequest** message contains an element of createOrgRequestType.

Derived By

Type createOrgRequestType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationDataType	1..*	Required. See organizationDataType.
opType	CreateOrUpdateOperationType	0..1	Specifies how FlexNet Operations behaves when creating organizations. For details, see CreateOrUpdateOperationType. If no **opType** is set, FlexNet Operations creates the specified organization unless the organization already exists. When the organization already exists, the operation fails. Note: **opType** is available in UserOrgHierarchyService v1 and later.

Referenced By

Name	Type
createOrganization	Method

XML Example

The following XML fragment illustrates a **createOrgRequest** message:

```
<createOrgRequest>
      <organization>
        <name>ACME-ENG</name>
        <displayName>ACME Engineering</displayName>
        <description>ACME Engineering Organization</description>
         <address>
          <address1>1234 Main Street</address1>
          <address2>Suite B</address2>
          <city>New York</city>
          <state>NY</state>
          <zipcode>12345</zipcode>
          <country>US</country>
          <region>North America</region>
        </address>
      </organization>
    </createOrgRequest>
```

Element: createOrgResponse

Description

A **createOrganizationsResponse** message contains an element of createOrgResponseType.

Derived By

Type createOrgResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	<table><tr><th>Element</th><th>Data Type</th><th>Description</th></tr><tr><td>**status**</td><td>StatusType</td><td>Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.</td></tr><tr><td>**reason**</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr></table>
failedData	failedCreateOrgDataListType	0..1	See failedCreateOrgDataListType.
responseData	createdOrganizationDataListType	0..1	See createdOrganizationDataListType.

Referenced By

Name	Type
createOrganization	Method

XML Example

The following XML fragment illustrates a successful **createOrgResponse** message:

XML Example

```
<createOrgResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <organization>
        <uniqueId>HID-20194</uniqueId>
        <primaryKeys>
          <name>ACME-ENG</name>
        </primaryKeys>
      </organization>
    </responseData>
  </createOrgResponse>
```

Element: createUserRequest

Description

A **createUserRequest** message contains an element of createUserRequestType.

Derived By

Type createUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	createUserDataType	1..*	Required. See createUserDataType.

Content Model

Component	Type	Occurs	Description
opType	CreateOrUpdateOperationType	0..1	Specifies how FlexNet Operations behaves when creating users. For details, see CreateOrUpdateOperationType. • If no **opType** is set, FlexNet Operations creates the specified user unless the user or contact already exists. When the user or contact already exists, the operation fails. • If the user does not exist and the **opType** is set to either **CREATE_OR_UPDATE** or **CREATE_OR_IGNORE**, the operation will succeed unless the existing contact already belongs to another user. If the contact exists but does not belong to another user, it will create the user and update the contact with the new user. • If both the user and contact exist and the **opType** is set to **CREATE_OR_UPDATE**, the request will update the contact. • If both the user and contact exist and the **opType** is set to **CREATE_OR_IGNORE**, the request will not update the contact. **Note: opType** is available in UserOrgHierarchyService v1 and later.

Referenced By

Name	Type
createUser	Method

XML Example

The following XML fragment illustrates a **createUserRequest** message:

```
<createUserRequest>
    <user>
      <firstName>John</firstName>
      <lastName>Smith</lastName>
      <displayName>John Smith</displayName>
      <emailAddress>jsmith@example.com</emailAddress>
      <optIn>false</optIn>
      <phoneNumber>408-123-4567</phoneNumber>
      <faxNumber>408-123-7654</faxNumber>
      <street>1234 Main Street</street>
      <city>San Francisco</city>
      <state>CA</state>
      <zipcode>12345</zipcode>
      <country>US</country>
      <locale>en_US</locale>
```

XML Example

```
<canLogin>1</canLogin>
<userName>jsmith</userName>
<status>Active</status>
<timezone>+05:30</timezone>
<shared>false</shared>
<orgRolesList>
  <orgRoles>
    <organization>
      <primaryKeys>
        <name>ACME</name>
      </primaryKeys>
    </organization>
    <roles>
      <role>
        <primaryKeys>
          <name>Portal User Role</name>
        </primaryKeys>
      </role>
    </roles>
  </orgRoles>
  <orgRoles>
    <organization>
      <primaryKeys>
        <name>Delta</name>
      </primaryKeys>
    </organization>
    <roles>
      <role>
        <primaryKeys>
          <name>Portal User Role</name>
        </primaryKeys>
      </role>
    </roles>
  </orgRoles>
</orgRolesList>
<customAttributes>
   <attribute>
     <attributeName>NO_OF_OTHER_PRODUCTS<attributeName>
     <integerValue>1</integerValue>
   </attribute>
</customAttributes>
</user>
</createUserRequest>
```

Element: createUserResponse

Description

A **createUserResponse** message contains an element of createUserResponseType.

Derived By

Type [createUserResponseType]

Content Model

Contains elements as defined in the following table.

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedCreateUserDataListType</td><td>0..1</td><td>See failedCreateUserDataListType.</td></tr>
<tr><td>responseData</td><td>createdUserDataListType</td><td>0..1</td><td>See createdUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
createUser	Method

XML Example

The following XML fragment illustrates a successful **createUserResponse** message:

```
<createUserResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
```

XML Example

```
    <responseData>
      <user>
        <uniqueId>HID-20204</uniqueId>
        <userName>jsmith</userName>
        <primaryKeys>
          <firstName>John</firstName>
          <lastName>Smith</lastName>
          <emailAddress>jsmith@example.com</emailAddress>
          <phoneNumber>408-123-4567</phoneNumber>
        </primaryKeys>
      </user>
    </responseData>
  </createUserResponse>
```

Element: deleteOrganizationRequest

Description

A **deleteOrganizationRequest** message contains an element of deleteOrganizationRequestType.

Derived By

Type deleteOrganizationRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	deleteOrgDataType	1..*	Organization to be deleted. See deleteOrgDataType.

Referenced By

Name	Type
deleteOrganization	Method

XML Example

The following XML fragment illustrates a **deleteOrganizationRequest** message:

```
<deleteOrganizationRequest>
  <organization>
    <primaryKeys>
      <name>ACME-MARK</name>
    </primaryKeys>
  </organization>
  <deleteSubTree>false</deleteSubTree>
</deleteOrganizationRequest>
```

Element: deleteOrganizationResponse

Description

A **deleteOrganizationResponse** message contains an element of deleteOrganizationResponseType.

Derived By

Type deleteOrganizationResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteOrgDataListType</td><td>0..1</td><td>See failedDeleteOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteOrganization	Method

XML Example

The following XML fragment illustrates a successful **deleteOrganizationResponse** message:

```
<deleteOrganizationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteOrganizationResponse>
```

Element: deleteUserRequest

Description

A **deleteUserRequest** message contains an element of deleteUserRequestType.

Derived By

Type deleteUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
user	userIdentifierType	1..*	User to be deleted. See userIdentifierType.

Referenced By

Name	Type
deleteUser	Method

XML Example

The following XML fragment illustrates a **deleteUserRequest** message:

```
<deleteUserRequest>
  <user>
    <userName>jsmith</userName>
  </user>
</deleteUserRequest>
```

Element: deleteUserResponse

Description

A **deleteUserResponse** message contains an element of deleteUserResponseType.

Derived By

Type deleteUserResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedDeleteUserDataListType</td><td>0..1</td><td>See failedDeleteUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
deleteUser	Method

XML Example

The following XML fragment illustrates a successful **deleteUserResponse** message:

```
<deleteUserResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteUserResponse>
```

Element: getOrganizationCountRequest

Description

A **getOrganizationCountRequest** message contains an element of getOrganizationCountRequestType.

Derived By

Type getOrganizationCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	organizationQueryParametersType	0..1	Required. See organizationQueryParametersType. Leave this element blank to return all CUSTOMER organizations.

Referenced By

Name	Type
getOrganizationCount	Method

XML Example

The following XML fragment illustrates a **getOrganizationCountRequest** message:

```
<getOrganizationCountRequest>
    <queryParams>
      <orgName>
        <value>acme</value>
        <searchType>CONTAINS</searchType>
```

XML Example

```
      </orgName>
      <onlyRootOrgs>true</onlyRootOrgs>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>10</batchSize>
  </getOrganizationCountRequest>
```

Element: getOrganizationCountResponse

Description

A **getOrganizationCountResponse** message contains an element of getOrganizationQueryResponseType.

Derived By

Type getOrganizationCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationCountResponseDataType</td><td>0..1</td><td>See getOrganizationCountResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getOrganizationCount	Method

XML Example

The following XML fragment illustrates a successful **getOrganizationsQueryResponse** message:

```
<getOrganizationCountResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <count>3</count>
    </responseData>
```

XML Example

```
</getOrganizationCountResponse>
```

Element: getOrganizationsQueryRequest

Description

A **getOrganizationsQueryRequest** message contains an element of getOrganizationsRequestType.

Derived By

Type getOrganizationsQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	organizationQueryParametersType	0..1	Required. See organizationQueryParametersType. Leave this element blank to return all CUSTOMER organizations.
pageNumber	integer	1..1	Required. Starts at 1. Say the getOrganizationsQuery operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getOrganizationsQuery	Method

XML Example

The following XML fragment illustrates a **getOrganizationsQueryRequest** message:

```
<getOrganizationsQueryRequest>
    <queryParams>
      <orgName>
        <value>acme</value>
        <searchType>CONTAINS</searchType>
      </orgName>
    </queryParams>
    <pageNumber>1</pageNumber>
    <batchSize>10</batchSize>
  </getOrganizationsQueryRequest>
```

Element: getOrganizationsQueryResponse

Description

A **getOrganizationsQueryResponse** message contains an element of getOrganizationsQueryResponseType.

Derived By

Type getOrganizationsQueryResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getOrganizationsQuery	Method

XML Example

The following XML fragment illustrates a successful **getOrganizationsQueryResponse** message:

```
<getOrganizationsQueryResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <orgData>
        <organization>
          <uniqueId>HID-20197</uniqueId>
          <primaryKeys>
            <name>ACME-MARK-WEST</name>
          </primaryKeys>
        </organization>
        <displayName>ACME Marketing West</displayName>
        <description>ACME western marketing group</description>
      </orgData>
      <orgData>
        <organization>
          <uniqueId>HID-20194</uniqueId>
          <primaryKeys>
            <name>ACME-ENG</name>
          </primaryKeys>
        </organization>
        <displayName>ACME Engineering</displayName>
        <description>Description of ACME Engineering</description>
      </orgData>
      <orgData>
        <organization>
          <uniqueId>HID-20180</uniqueId>
          <primaryKeys>
            <name>ACME</name>
          </primaryKeys>
        </organization>
        <displayName>Acme Software Corporation</displayName>
        <description>Description of ACME</description>
      </orgData>
    </responseData>
  </getOrganizationsQueryResponse>
```

Element: getParentOrganizationsRequest

Description

A **getParentOrganizationsRequest** message contains an element of getParentOrganizationsRequestType.

Derived By

Type getParentOrganizationsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getParentOrganizations	Method

XML Example

The following XML fragment illustrates a **getParentOrganizationRequest** message:

```
<getParentOrganizationsRequest>
    <organization>
      <primaryKeys>
        <name>ACME-ENG</name>
      </primaryKeys>
    </organization>
  </getParentOrganizationsRequest>
```

Element: getParentOrganizationsResponse

Description

A **ParentOrganizationsResponse** message contains an element of getParentOrganizationsResponseType.

Derived By

Type getParentOrganizationsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getParentOrganizations	Method

XML Example

The following XML fragment illustrates a **getParentOrganizationResponse** message:

```
<getParentOrganizationsResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <orgData>
        <organization>
```

XML Example

```
            <uniqueId>HID-20180</uniqueId>
            <primaryKeys>
              <name>ACME</name>
            </primaryKeys>
          </organization>
          <displayName>Acme Software Corporation</displayName>
          <description>Acme description</description>
        </orgData>
      </responseData>
    </getParentOrganizationsResponse
```

Element: getRelatedOrganizationsRequest

Description

A **getRelatedOrganizationsRequest** message contains an element of getRelatedOrganizationsRequestType.

Derived By

Type getRelatedOrganizationsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getRelatedOrganizations	Method

XML Example

The following XML fragment illustrates a **getRelatedOrganizationsRequest** message:

```
<getRelatedOrganizationsRequest>
    <organization>
      <primaryKeys>
        <name>ACME</name>
      </primaryKeys>
    </organization>
  </getRelatedOrganizationsRequest>
```

Element: getRelatedOrganizationsResponse

Description

A **getRelatedOrganizationsResponse** message contains an element of getRelatedOrganizationsResponseType.

Derived By

Type getRelatedOrganizationsResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getRelatedOrganizations	Method

XML Example

The following XML fragment illustrates a successful **getRelatedOrganizationsResponse** message:

```
<getRelatedOrganizationsResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <orgData>
        <organization>
          <uniqueId>HID-20199</uniqueId>
          <primaryKeys>
            <name>ACME-PART</name>
          </primaryKeys>
        </organization>
        <displayName>ACME Partner</displayName>
        <description>ACME Partner Reseller</description>
      </orgData>
    </responseData>
  </getRelatedOrganizationsResponse>
```

Element: getSubOrganizationsRequest

Description

A **getSubOrganizationsRequest** message contains an element of getSubOrganizationsRequestType.

Derived By

Type getSubOrganizationsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organization	organizationIdentifierType	1..1	Organization identifier of organization. See organizationIdentifierType.

Referenced By

Name	Type
getSubOrganizations	Method

XML Example

The following XML fragment illustrates a **getSubOrganizationsRequest** message:

```
<getSubOrganizationsRequest>
    <organization>
      <primaryKeys>
        <name>ACME</name>
      </primaryKeys>
    </organization>
  </getSubOrganizationsRequest>
```

Element: getSubOrganizationsResponse

Description

A **getSubOrganizationsResponse** message contains an element of getSubOrganizationsResponseType.

Derived By

Type getSubOrganizationsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getOrganizationsQueryResponseDataType</td><td>0..1</td><td>See getOrganizationsQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getSubOrganizations	Method

XML Example

The following XML fragment illustrates a successful **getSubOrganizationsResponse** message:

```
<getSubOrganizationsResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <orgData>
        <organization>
```

XML Example

```
            <uniqueId>HID-20194</uniqueId>
            <primaryKeys>
              <name>ACME-ENG</name>
            </primaryKeys>
          </organization>
          <displayName>ACME Engineering</displayName>
          <description>ACME Engineering Group</description>
        </orgData>
      </responseData>
    </getSubOrganizationsResponse>
```

Element: getUserCountRequest

Description

A **getUserCountRequest** message contains an element of getOrganizationsRequestType.

Derived By

Type getUserCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	userQueryParametersType	0..1	Required. See userQueryParametersType. Leave this element blank to return all users.

Referenced By

Name	Type
getUserCount	Method

XML Example

The following XML fragment illustrates a **getUserCountRequest** message:

```
<getUserCountRequest>
  <queryParams>
    <displayName>
      <value>john</value>
      <searchType>CONTAINS</searchType>
    </displayName>
    <lastModifiedDateTime>
      <value>2011-05-04T22:00:00</value>
      <searchType>AFTER</searchType>
    </lastModifiedDateTime>
    <orgType>PUBLISHER</orgType>
  </queryParams>
```

XML Example

```
</getUserCountRequest>
```

Element: getUserCountResponse

Description

A **getUserCountResponse** message contains an element of getUserCountResponseType.

Derived By

Type getUserCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfoType	1..1	

Element	Data Type	Description
status	StatusType	Returns one of the following: • SUCCESS—All features in the request were processed. • PARTIAL_FAILURE—Some, but not all features in the request were processed. The **getCount** and **getQuery** operations never return PARTIAL_FAILURE. • FAILURE—None of the features in the request were processed.
reason	string	Gives reason for partial failure or failure.

Content Model

Component	Type	Occurs	Description
responseData	getUserCountResponseDataType	0..1	See getUserCountResponseDataType.

Referenced By

Name	Type
getUserCount	Method

XML Example

The following XML fragment illustrates a successful **getUserCountResponse** message:

```
<getUserCountResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <count>1</count>
    </responseData>
  </getUserCountResponse>
```

Element: getUserPermissionsRequest

Description

A **getUserPermissionsRequest** message contains an element of getUserPermissionsRequestType.

Derived By

Type getUserPermissionsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userName	string	1..1	The username for which permissions will be retrieved.
domainName	string	0..1	The previous username's domain.

Referenced By

Name	Type
getUserPermissions	Method

XML Example

The following XML fragment illustrates a **getUserPermissionsRequest** message:

```
<getUserPermissionsRequest>
  <userName>jsmith</userName>
  <domainName>domain.com</domainName>
</getUserPermissionsRequest>
```

Element: getUserPermissionsResponse

Description

A **getUserPermissionsResponse** message contains an element of getUserPermissionsResponseType.

Derived By

Type getUserPermissionsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Status Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getUserPermissionsResponseDataType</td><td>0..1</td><td>See getUserPermissionsResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUserPermissions	Method

XML Example

The following XML fragment illustrates a successful **getUserPermissionsResponse** message:

```
<getUserPermissionsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <userName>TESTadmin</userName>
    <orgType>PUBLISHER</orgType>
```

XML Example

```
    <permissions>
      <permission>operations:permission.feature.UPDATE</permission>
      <permission>platform:view.and.manage.users</permission>
    </permissions>
  </responseData>
</getUserPermissionsResponse>
```

The following XML fragment illustrates an unsuccefful **getUserPermissionsResponse** message:

```
<getUserPermissionsResponse>
  <statusInfo>
    <status>FAILURE</status>
    <reason>9000:No data records were found.</reason>
  </statusInfo>
</getUserPermissionsResponse>
```

Element: getUsersQueryRequest

Description

A **getUsersQueryRequest** message contains an element of getOrganizationsRequestType.

Derived By

Type getUsersQueryRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	userQueryParametersType	0..1	Required. See userQueryParametersType. Leave this element blank to return all users.
pageNumber	integer	1..1	Required. Starts at 1. Say the getUsersQuery operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getUsersQuery	Method

XML Example

The following XML fragment illustrates a **getUsersQueryRequest** message, querying by display name, last modified date/time, and organization type:

```
<getUsersQueryRequest>
  <queryParams>
    <displayName>
      <value>john</value>
      <searchType>CONTAINS</searchType>
    </displayName>
    <lastModifiedDateTime>
      <value>2011-05-04T22:00:00</value>
      <searchType>AFTER</searchType>
    </lastModifiedDateTime>
    <orgType>PUBLISHER</orgType>
  </queryParams>
  <pageNumber>1</pageNumber>
  <batchSize>10</batchSize>
</getUsersQueryRequest>
```

Element: getUsersQueryResponse

Description

A **getUsersQueryResponse** message contains an element of getUsersQueryResponseType.

Derived By

Type getUsersQueryResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>responseData</td><td>getUsersQueryResponseDataType</td><td>0..1</td><td>See getUsersQueryResponseDataType.</td></tr>
</table>

Referenced By

Name	Type
getUsersQuery	Method

XML Example

The following XML fragment illustrates a successful **getUsersQueryResponse** message:

```
<getUsersQueryResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <user>
        <userIdentifier>
```

XML Example


```
        <uniqueId>HID-20204</uniqueId>
        <userName>jsmith</userName>
        <primaryKeys>
          <firstName>John</firstName>
          <lastName>Smith</lastName>
          <emailAddress>jsmith@example.com</emailAddress>
          <phoneNumber>408-123-4567</phoneNumber>
        </primaryKeys>
      </userIdentifier>
      <displayName>Smith John</displayName>
      <optIn>false</optIn>
      <street>1234 Main Street</street>
      <city>San Francisco</city>
      <state>CA</state>
      <zipcode>12345</zipcode>
      <country>US</country>
      <status>Active</status>
      <locale>en_US</locale>
      <timezone>America/Dawson</timezone>
      <shared>false</shared>
      <domain>FLEXnet</domain>
      <orgRolesList>
        <orgRoles>
          <organization>
            <uniqueId>HID-100040</uniqueId
            <primaryKeys>
              <name>ACME</name>
            </primaryKeys>
          </organization>
         <roles>
            <roleName>Portal Admin User Role</roleName>
          </roles>
        </orgRoles>
        <orgRoles>
          <organization>
            <primaryKeys>
              <name>Delta</name>
            </primaryKeys>
          </organization>
         <roles>
            <roleName>Portal Admin User Role</roleName>
          </roles>
        </orgRoles>
      </orgRolesList>
    </user>
  </responseData>
</getUsersQueryResponse>
```


Element: linkOrganizationsRequest

Description

A **linkOrganizationsRequest** message contains an element of linkOrganizationsRequestType.

Derived By

Type linkOrganizationsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	linkOrganizationsDataType	1..*	Required. A link between exactly one root organization and exactly one suborganization is expressed as an orgData element. A hierarchy with multiple root organizations or multiple sub organizations is constructed link by link with multiple orgData elements in a request. See linkOrganizationsDataType.

Referenced By

Name	Type
linkOrganizations	Method

XML Example

The following XML fragment illustrates a **linkOrganizationsRequest** message:

```
<linkOrganizationsRequest>
    <orgData>
      <parentOrg>
        <primaryKeys>
          <name>ACME</name>
        </primaryKeys>
      </parentOrg>
      <subOrg>
        <primaryKeys>
          <name>ACME-ENG</name>
        </primaryKeys>
      </subOrg>
    </orgData>
    <orgData>
      <parentOrg>
        <primaryKeys>
          <name>ACME</name>
        </primaryKeys>
      </parentOrg>
      <subOrg>
        <primaryKeys>
          <name>ACME-MARK</name>
        </primaryKeys>
      </subOrg>
    </orgData>
  </linkOrganizationsRequest>
```

Element: linkOrganizationsResponse

Description

A **linkOrganizationsResponse** message contains an element of linkOrganizationsResponseType.

Derived By

Type linkOrganizationsResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedLinkOrgDataListType</td><td>0..1</td><td>See failedLinkOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
linkOrganizations	Method

XML Example

The following XML fragment illustrates a successful **linkOrganizationsResponse** message:

```
<linkOrganizationsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</linkOrganizationsResponse>
```

Element: relateOrganizationsRequest

Description

A **relateOrganizationsRequest** message contains an element of relateOrganizationsRequestType.

Derived By

Type relateOrganizationsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	relateOrganizationsDataType	1..*	Required. A relationship between two organizations is expressed as an orgData element. The organizations can be two CHANNEL_PARTNER organizations or a CHANNEL_PARTNER organization and a CUSTOMER organization. See relateOrganizationsDataType.

Referenced By

Name	Type
relateOrganizations	Method

XML Example

The following XML fragment illustrates a **relateOrganizationsRequest** message:

```
<relateOrganizationsRequest>
    <orgData>
      <organizationToRelate>
        <primaryKeys>
          <name>ACME</name>
        </primaryKeys>
      </organizationToRelate>
      <relatedOrganization>
        <primaryKeys>
          <name>ACME-PART</name>
```

XML Example

```
        </primaryKeys>
      </relatedOrganization>
    </orgData>
  </relateOrganizationsRequest>
```

Element: relateOrganizationsResponse

Description

A **relateOrganizationsResponse** message contains an element of relateOrganizationsResponseType.

Derived By

Type relateOrganizationsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedRelateOrganizationsDataListType</td><td>0..1</td><td>See failedRelateOrganizationsDataListType.</td></tr>
</table>

Referenced By

Name	Type
relateOrganizations	Method

XML Example

The following XML fragment illustrates a successful **relateOrganizationsResponse** message:

```
<relateOrganizationsResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</relateOrganizationsResponse>
```

Element: updateOrganizationRequest

Description

An **updateOrganizationRequest** message contains one or more elements of updateOrganizationRequestType.

Derived By

Type updateOrganizationRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgData	updateOrgDataType	1..*	Organization to be updated. See Table updateOrgDataType.

Referenced By

Name	Type
updateOrganization	Method

XML Example

The following XML fragment illustrates an **updateOrganizationRequest** message:

```
<updateOrganizationRequest>
    <orgData>
      <organization>
        <primaryKeys>
          <name>ACME-MARK</name>
        </primaryKeys>
      </organization>
      <name>ACME-MARKET</name>
      <displayName>ACME Marketing</displayName>
      <description>ACME Marketing North America</description>
      <address>
        <address1>456 Bush Street</address1>
        <address2>Suite 100</address2>
        <city>San Francisco</city>
        <state>CA</state>
        <zipcode>92222</zipcode>
        <country>US</country>
        <region>North America</region>
      </address>
      <relatedOrganizations>
        <relatedOrganization>
          <primaryKeys>
            <name>ACME-MARK-WEST</name>
          </primaryKeys>
        </relatedOrganization>
        <opType>ADD</opType>
      </relatedOrganizations>
      <subOrganizations>
```

XML Example

```
        <subOrganization>
          <primaryKeys>
            <name>ACME-MARK-WEST</name>
          </primaryKeys>
        </subOrganization>
        <opType>ADD</opType>
      </subOrganizations>
    </orgData>
  </updateOrganizationRequest>
```

Element: updateOrganizationResponse

Description

An **updateOrganizationResponse** message contains an element of updateOrganizationResponseType.

Derived By

Type updateOrganizationResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateOrgDataListType</td><td>0..1</td><td>See failedUpdateOrgDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateOrganization	Method

XML Example

The following XML fragment illustrates a successful **updateOrganizationResponse** message:

```
<updateOrganizationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateOrganizationResponse>
```

Element: updateUserRequest

Description

An **updateUserRequest** message contains an element of updateUserRequestType.

Derived By

Type updateUserRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserDataType	1..*	User to be updated. See updateUserDataType.

Referenced By

Name	Type
updateUser	Method

XML Example

The following XML fragment illustrates an **updateUserRequest** message:

```
<updateUserRequest>
    <userData>
      <user>
         <userName>jsmith</userName>
       </user>
      <firstName>Jack</firstName>
      <lastName>Smith</lastName>
      <displayName>Jack Smith</displayName>
      <emailAddress>jsmith@example.com</emailAddress>
      <optIn>false</optIn>
      <phoneNumber>408-123-5678</phoneNumber>
      <faxNumber>408-123-8765</faxNumber>
      <street>4321 Main Street</street>
      <city>San Jose</city>
      <state>CA</state>
      <zipcode>95025</zipcode>
      <country>US</country>
      <status>Active</status>
      <locale>en_US</locale>
      <timezone>-08:00</timezone>
      <shared>false</shared>
      <orgRolesList>
        <orgRoles>
          <organization>
            <primaryKeys>
              <name>WILY</name>
            </primaryKeys>
          </organization>
          <roles>
```

XML Example

```
            <role>
              <primaryKeys>
                <name>Portal User Role</name>
              </primaryKeys>
            </role>
          </roles>
        </orgRoles>
        <opType>ADD</opType>
      </orgRolesList>
      <customAttributes>
         <attribute>
            <attributeName>NO_OF_OTHER_PRODUCTS<attributeName>
            <integerValue>2</integerValue>
         </attribute>
      </customAttributes>
    </userData>
  </updateUserRequest>
```

Element: updateUserResponse

Description

An **updateUserResponse** message contains an element of updateUserResponseType.

Derived By

Type updateUserResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateUserDataListType</td><td>0..1</td><td>See failedUpdateUserDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUser	Method

XML Example

The following XML fragment illustrates a successful **updateUserResponse** message:

```
<updateOrganizationResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</updateOrganizationResponse>
```

Element: updateUserRolesRequest

Description

An **updateUserRolesRequest** message contains an element of updateUserRolesRequestType.

Derived By

Type updateUserRolesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userData	updateUserRolesDataType	1..*	User to be updated. See updateUserRolesDataType.

Referenced By

Name	Type
updateUserRoles	Method

XML Example

The following XML fragment illustrates an **updateUserRolesRequest** message:

```
<updateUserRolesRequest>
    <userData>
      <user>
        <userName>jsmith</userName>
      </user>
      <orgRoles>
        <organization>
          <primaryKeys>
            <name>Delta</name>
          </primaryKeys>
        </organization>
        <roles>
          <role>
            <primaryKeys>
              <name>Portal Admin User Role</name>
            </primaryKeys>
          </role>
          <opType>REPLACE</opType>
        </roles>
      </orgRoles>
    </userData>
  </updateUserRolesRequest>
```

Element: updateUserRolesResponse

Description

An **updateUserRolesResponse** message contains an element of updateUserRolesResponseType.

Derived By

Type updateUserRolesResponseType

Content Model

Contains elements as defined in the following table.

<table>
<tr><th>Component</th><th>Type</th><th>Occurs</th><th>Description</th></tr>
<tr><td>SEQUENCE</td><td></td><td>1..1</td><td></td></tr>
<tr><td>statusInfo</td><td>StatusInfoType</td><td>1..1</td><td>
<table>
<tr><th>Element</th><th>Data Type</th><th>Description</th></tr>
<tr><td>status</td><td>StatusType</td><td>Returns one of the following:
SUCCESS—All features in the request were processed.
PARTIAL_FAILURE—Some, but not all features in the request were processed. The getCount and getQuery operations never return PARTIAL_FAILURE.
FAILURE—None of the features in the request were processed.</td></tr>
<tr><td>reason</td><td>string</td><td>Gives reason for partial failure or failure.</td></tr>
</table>
</td></tr>
<tr><td>failedData</td><td>failedUpdateUserRolesDataListType</td><td>0..1</td><td>See failedUpdateUserRolesDataListType.</td></tr>
</table>

Referenced By

Name	Type
updateUserRoles	Method

XML Example

The following XML fragment illustrates a successful **updateUserRolesResponse** message:

```
<updateUserRolesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</ updateUserRolesResponse>
```

UserAdministration Web Service

Description

Web service to manage users.

Introduction

The User Administration service manages users (by creating, importing, updating, and querying operations) in both the FlexNet and directory service domains. The service also imports user groups from directory service domains and manages their access to FlexNet Operations. To add a user, there must be existing roles in the FlexNet Operations database.

Methods: UserAdministration

Methods

Name	Description
addGroups	The **addGroups** operation imports one or more groups. To import groups, there must be a non-FlexNet domain in the database.
addUsers	The **addUsers** operation adds one or more users. To add users, there must be roles in the database.
changeGroupStatus	The **changeGroupStatus** operation changes the status of a group of users.
changeUserStatus	The **changeUserStatus** operation changes the status of a user.
countUsers	The **countUsers** operation returns users who match a specified criterion.
deleteUsers	The **deleteUsers** operation deletes one or more users.
findUsers	The **findUsers** operation returns information about one or more users that match a specified criterion ***Important:*** *The findUsers operation replaces the deprecated retrieveAllUsers operation. findUsers supports filtering users and paging the response to better support large numbers of users.*
resetPassword	The **resetPassword** operation sends a new system-generated password to a user belonging to the default FlexNet domain.
retrieveAllGroups	The **retrieveAllGroups** operation returns a list of all groups.
retrieveAllUsers	The **retrieveAllUsers** operation returns information about all users. Important: This operation was deprecated. Instead, use the findUsers operation because it supports filtering users and paging the response to better support large numbers of users.
retrieveCustomAttrMetaData	The **retrieveCustomAttrMetaData** operation returns metadata for custom user attributes. Sample custom user attributes are provided in <install_dir>/site/samples/userCustomAttributes.
retrieveGroup	The **retrieveGroup** operation returns details of a single group.
retrieveUser	The **retrieveUser** operation returns details of a single user.
updateGroups	The **updateGroups** operation updates the characteristics of groups. This operations does not add or remove users from a group.
updateUsers	The **updateUsers** operation updates users.

Method: addGroups

Description

The **addGroups** operation imports one or more groups. To import groups, there must be a non-FlexNet domain in the database.

Parameters

Name	Type	Direction	Description
addGroupsRequest	GroupList	Input	See GroupList.

Returns

A addGroupsResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: addUsers

Description

The **addUsers** operation adds one or more users. To add users, there must be roles in the database.

Parameters

Name	Type	Direction	Description
addUsersRequest	UserList	Input	See UserList.

Returns

A addUsersResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: changeGroupStatus

Description

The **changeGroupStatus** operation changes the status of a group of users.

Parameters

Name	Type	Direction	Description
changeGroupStatusRequest	GroupStatus	Input	See GroupStatus.

Returns

A changeGroupStatusResponse element having the structure defined by the following table.

Name	Type	Description
statusCorelation	string	
statusCode	string	
statusMessage	string	

Method: changeUserStatus

Description

The **changeUserStatus** operation changes the status of a user.

Parameters

Name	Type	Direction	Description
changeUserStatusRequest	UserStatus	Input	See UserStatus.

Returns

A changeUserStatusResponse element having the structure defined by the following table.

Name	Type	Description
statusCorelation	string	
statusCode	string	
statusMessage	string	

Method: countUsers

Description

The **countUsers** operation returns users who match a specified criterion.

Parameters

Name	Type	Direction	Description
countUsersRequest	CountUsersQuery	Input	See CountUsersQuery.

Returns

A countUsersResponse element having the structure defined by the following table.

Name	Type	Description
count	integer	Number of users who match the specified criterion.
error	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: deleteUsers

Description

The **deleteUsers** operation deletes one or more users.

Parameters

Name	Type	Direction	Description
deleteUsersRequest	DeleteUserList	Input	See DeleteUserList.

Returns

A deleteUsersResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: findUsers

Description

The **findUsers** operation returns information about one or more users that match a specified criterion

Important: *The findUsers operation replaces the deprecated retrieveAllUsers operation. findUsers supports filtering users and paging the response to better support large numbers of users.*

Parameters

Name	Type	Direction	Description
findUsersRequest	FindUsersQuery	Input	See FindUsersQuery.

Returns

A findUsersResponse element having the structure defined by the following table.

Name	Type	Description
users	DisplayUser	See DisplayUser.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: resetPassword

Description

The **resetPassword** operation sends a new system-generated password to a user belonging to the default FlexNet domain.

Parameters

Name	Type	Direction	Description
resetPasswordRequest	UserReset	Input	See UserReset.

Returns

A resetPasswordResponse element having the structure defined by the following table.

Name	Type	Description
statusCorelation	string	

Returns

Name	Type	Description
statusCode	string	
statusMessage	string	

Method: retrieveAllGroups

Description

The **retrieveAllGroups** operation returns a list of all groups.

Parameters

Name	Type	Direction	Description
retrieveAllGroupsRequest	EmptyRequest	Input	See EmptyRequest.

Returns

A retrieveAllGroupsResponse element having the structure defined by the following table.

Name	Type	Description
groups	DisplayGroup	See DisplayGroup.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveAllUsers

Description

The **retrieveAllUsers** operation returns information about all users.

Important: This operation was deprecated. Instead, use the findUsers operation because it supports filtering users and paging the response to better support large numbers of users.

Parameters

Name	Type	Direction	Description
retrieveAllUsersRequest	EmptyRequest	Input	See EmptyRequest.

Returns

A retrieveAllUsersResponse element having the structure defined by the following table.

Name	Type	Description
users	DisplayUser	See DisplayUser.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveCustomAttrMetaData

Description

The **retrieveCustomAttrMetaData** operation returns metadata for custom user attributes. Sample custom user attributes are provided in <install_dir>/site/samples/userCustomAttributes.

Parameters

Name	Type	Direction	Description
customAttrMetaDataRequest	EmptyRequest	Input	See EmptyRequest.

Returns

A customAttrMetaDataResponse element having the structure defined by the following table.

Name	Type	Description
attributes	CustomAttributeMetaData	Returned custom user attribute metadata. See customAttrMetaData.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveGroup

Description

The **retrieveGroup** operation returns details of a single group.

Parameters

Name	Type	Direction	Description
retrieveGroupRequest	GroupQuery	Input	See GroupQuery.

Returns

A retrieveGroupResponse element having the structure defined by the following table.

Name	Type	Description
domainGroup	DomainGroup	See DomainGroup.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveUser

Description

The **retrieveUser** operation returns details of a single user.

Parameters

Name	Type	Direction	Description
retrieveUserRequest	UserQuery	Input	See UserQuery.

Returns

A retrieveUserResponse element having the structure defined by the following table.

Name	Type	Description
user	User	See User. The organization display name is returned, not the organization identifier.
domainUser	DomainUser	See DomainUser. The organization display name is returned, not the organization identifier.

Returns

Name	Type	Description
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: updateGroups

Description

The **updateGroups** operation updates the characteristics of groups. This operations does not add or remove users from a group.

Parameters

Name	Type	Direction	Description
updateGroupsRequest	GroupList	Input	See GroupList.

Returns

A updateGroupsResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: updateUsers

Description

The **updateUsers** operation updates users.

Parameters

Name	Type	Direction	Description
updateUsersRequest	UserList	Input	See UserList.

Returns

A updateUsersResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Complex Types: UserAdministration

Complex Types

Name
AllGroupsResponse
AllUsersResponse
CountUsersQuery
CountUsersResponse
CustomAttribute
CustomAttributeMetaData
CustomAttrMetaDataResponse
DeleteUserList
DisplayGroup
DisplayUser
DomainGroup
DomainUser
EmptyRequest
FindUsersQuery
FindUsersResponse
GroupList
GroupQuery
GroupResponse
GroupStatus
Role
StatusResponseList
User
UserList
UserQuery
UserReset
UserResponse
UserStatus

Complex Type: AllGroupsResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
groups	DisplayGroup	1..*	See DisplayGroup.

Referenced By

Name	Type
retrieveAllGroupsResponse	Element

Complex Type: AllUsersResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
users	DisplayUser	1..*	See DisplayUser.

Referenced By

Name	Type
retrieveAllUsersResponse	Element

Complex Type: CountUsersQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
CHOICE		1..1	
userSearchColumn	UserSearchColumnType	0..1	**userSearchColumn** can be one of the following: • UserName • DisplayName • OrganizationName ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***UserSearchCustomAttribute*** *elements, but not both.*
userSearchCustomAttribute	string	0..1	You can search for a user with the specified value of a text-type attribute, where the attribute name is appended by the string <_customattribute> (for example, OTHER_PRODUCTS_USED_customattribute). ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***userSearchCustomAttribute*** *elements, but not both.*
userSearchValue	string	0..1	Value of the **attribute** to match.

Referenced By

Name	Type
countUsersRequest	Element
countUsers	Method

Complex Type: CountUsersResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
count	integer	1..1	Number of users who match the specified criterion.
error	StatusResponse	1..1	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
countUsersResponse	Element

Complex Type: CustomAttribute

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The name of the custom attribute defined for the user entity.
CHOICE		1..1	
multiValue	string	1..*	If the custom attribute is of type multivalue, this is the actual value or values.
value	string	1..1	Value for the custom attribute.

Complex Type: CustomAttributeMetaData

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Attribute name.
required	boolean	1..1	Whether or not the attribute is required.
type	string (restriction)	1..1	Required. One of the following values: • TEXT • LONGTEXT • NUMBER • BOOLEAN • DATE • MULTI_VALUED_TEXT
hasRangeValues	boolean	1..1	Whether or not the attribute has a range of values.
minRange	string	0..1	Minimum value of the attribute.
maxRange	string	0..1	Maximum value of the attribute.
hasValidValues	boolean	1..1	Whether or not the attribute has a set of valid values.
validValues	string	0..*	Valid values for the attribute.

Complex Type: CustomAttrMetaDataResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	

Content Model

Component	Type	Occurs	Description
attributes	CustomAttributeMetaData	1..*	Returned custom user attribute metadata. See customAttrMetaData.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
customAttrMetaDataResponse	Element

Complex Type: DeleteUserList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..*	Required. The user name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
deleteUsersRequest	Element
deleteUsers	Method

Complex Type: DisplayGroup

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
displayName	string	1..1	Display name of the group.
domain	string	1..1	Domain that contains user and group information (for example, the name of a directory service configured in FlexNet Operations).
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Complex Type: DisplayUser

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	User name to log in to FlexNet Operations.
shared	boolean	0..1	Whether the login is shared among multiple users.
displayName	string	1..1	First and last name.
domain	string	1..1	Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
dateCreated	string	1..1	Date the user was created.
dateLastLogin	string	0..1	Date a non-shared user last logged in, if the user has ever logged in.

Content Model

Component	Type	Occurs	Description
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.
organization	string	1..1	Optional. The organization to which the user belongs. Specify the organization identifier, not the organization display name. Could be the Home organization (MYORG), a Customer organization, or the organization for self-registered Portal accounts (PORTAL_ORG_UNIT). If not specified, the Home organization is set.

Complex Type: DomainGroup

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
groupDN	string	1..1	Required. Distinguished name of the group in the directory service domain.
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
displayName	string	0..1	Not supported in a web service request. Its value is taken from the required **Group Display Name Attribute** specified in the domain configuration.
status	StatusType	0..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Content Model

Component	Type	Occurs	Description
roles	Role	0..*	At least one role must be assigned to a user. Only need to specify if modifying value. See Role.

Complex Type: DomainUser

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
displayName	string	0..1	Not supported in a web service request. Its value is taken from the required **User Display Name Attribute** specified in the domain configuration.
email	string	0..1	Email address of user. Not supported in a web service request. Only need to specify if modifying value.
optIn	boolean	0..1	Optional. Whether a user (usually a Customer user) wants to receive email from the Home organization. If not specified, defaults to false. Only need to specify if modifying value.
locale	string	0..1	A string containing one of the locale settings supported by Java, for example, en_US. Only need to specify if modifying value.
timeZone	string	0..1	Only need to specify if modifying value. Provide timezone setting in ISO 8601 format (+/-hh:mm) as an offset from GMT. For example, -08:00 or +05:30. A value of Z corresponds to GMT. When a user is saved, this offset is converted to a time zone string and the time zone string is displayed when a user is retrieved.

Content Model

Component	Type	Occurs	Description
status	StatusType	0..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.
organization	string	0..1	Optional. The organization to which the user belongs. Specify the organization identifier, not the organization display name. Could be the Home organization (MYORG), a Customer organization, or the organization for self-registered Portal accounts (PORTAL_ORG_UNIT). If not specified, the Home organization is set.
roles	Role	0..*	At least one role must be assigned to a user. Only need to specify if modifying value. See Role.
customAttribute	CustomAttribute	0..*	Optional. Set if custom attributes are defined for the user entity. See CustomAttribute.

Complex Type: EmptyRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
customAttrMetaDataRequest	Element
retrieveAllGroupsRequest	Element
retrieveAllUsersRequest	Element
retrieveAllGroups	Method
retrieveAllUsers	Method

Referenced By

Name	Type
retrieveCustomAttrMetaData	Method

Complex Type: FindUsersQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
CHOICE		1..1	
userSearchColumn	UserSearchColumnType	0..1	**userSearchColumn** can be one of the following: • UserName • DisplayName • OrganizationName ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***UserSearchCustomAttribute*** *elements, but not both.*
userSearchCustomAttribute	string	0..1	You can search for a user with the specified value of a text-type attribute, where the attribute name is appended by the string <_customattribute> (for example, OTHER_PRODUCTS_USED_customattribute). ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***userSearchCustomAttribute*** *elements, but not both.*
userSearchValue	string	0..1	Value of the **attribute** to match.
pageNumber	integer	0..1	Optional. Starts at 1. Say the findUsers operation using the query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set ***pageNumber*** to 2.
batchSize	integer	0..1	Optional. Maximum number of records to return in the response. If not provided, all results are returned.

Referenced By

Name	Type
findUsersRequest	Element
findUsers	Method

Complex Type: FindUsersResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
users	DisplayUser	1..*	See DisplayUser.

Referenced By

Name	Type
findUsersResponse	Element

Complex Type: GroupList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
domainGroups	DomainGroup	1..*	Optional. See DomainGroup.

Referenced By

Name	Type
addGroupsRequest	Element
updateGroupsRequest	Element
addGroups	Method
updateGroups	Method

Complex Type: GroupQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
groupDN	string	1..1	Required. Distinguished name of the group in the directory service domain.
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
GroupStatus	Complex Type
retrieveGroupRequest	Element
retrieveGroup	Method

Complex Type: GroupResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainGroup	DomainGroup	1..1	See DomainGroup.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
retrieveGroupResponse	Element

Complex Type: GroupStatus

Derived By

Extending GroupQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
groupDN	string	1..1	Required. Distinguished name of the group in the directory service domain.
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Content Model

Component	Type	Occurs	Description
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Referenced By

Name	Type
changeGroupStatusRequest	Element
changeGroupStatus	Method

Complex Type: Role

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Required. Role name.
dataServiceName	string	0..1	Not currently supported by FlexNet Operations.
description	string	0..1	Not currently supported by FlexNet Operations.

Complex Type: StatusResponseList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
addGroupsResponse	Element
addUsersResponse	Element
deleteUsersResponse	Element
updateGroupsResponse	Element
updateUsersResponse	Element

Complex Type: User

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
firstName	string	1..1	Required. User's first name.
lastName	string	1..1	Required. User's last name.
email	string	0..1	Optional, but a FlexNet user cannot be sent the system-generated password email if the email address is not set. Only need to specify if modifying value.
optIn	boolean	0..1	Optional. Whether a user (usually a Customer user) wants to receive email from the Home organization. If not specified, defaults to false.

Content Model

Component	Type	Occurs	Description
phoneNumber	string	0..1	Optional. Phone number of user. Only need to specify if modifying value.
faxNumber	string	0..1	Optional. Fax number of user. Only need to specify if modifying value.
street	string	0..1	Optional. Street address of user. Only need to specify if modifying value.
city	string	0..1	Optional. City in which user is located. Only need to specify if modifying value.
state	string	0..1	Optional. State in which user is located. Only need to specify if modifying value.
postalCode	string	0..1	Optional. Zip or postal code in which user is located. Only need to specify if modifying value.
country	string	0..1	Optional. Country in which user is located. Provide country in the two-character ISO-3166 format. Only need to specify if modifying value.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US. Only need to specify if modifying value.
timeZone	string	0..1	Only need to specify if modifying value. Provide timezone setting in ISO 8601 format (+/-hh:mm) as an offset from GMT. For example, -08:00 or +05:30. A value of Z corresponds to GMT. When a user is saved, this offset is converted to a time zone string and the time zone string is displayed when a user is retrieved.
status	StatusType	0..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.
organization	string	0..1	Optional. The organization to which the user belongs. Specify the organization identifier, not the organization display name. Could be the Home organization (MYORG), a Customer organization, or the organization for self-registered Portal accounts (PORTAL_ORG_UNIT). If not specified, the Home organization is set.
shared	boolean	0..1	Optional. If not specified, defaults to false. Only need to specify if modifying value.

Content Model

Component	Type	Occurs	Description
externalAuthentication	boolean	0..1	Optional. Set to true if this user's authentication is done by an application other than FlexNet Operations (that is, FlexNet Operations does not maintain the user's password in its database), though the user is in the FlexNet domain. If not specified, defaults to false. Authentication scheme can not be changed once it has been set when a user is created.
roles	Role	0..*	At least one role must be assigned to a user. Only need to specify if modifying value. See Role.
customAttribute	CustomAttribute	0..*	Optional. Set if custom attributes are defined for the user entity. See Table CustomAttribute.

Complex Type: UserList

Description

Specify **users[]** or **domainUsers[]**,not both, in a single request.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainUsers	DomainUser	1..*	Users in a directory service domain. The directory service domain must be configured in FlexNet Operations before domain users can be imported. See DomainUser.
users	User	1..*	Users in the FlexNet domain. See User.

Referenced By

Name	Type
addUsersRequest	Element
updateUsersRequest	Element
addUsers	Method
updateUsers	Method

Complex Type: UserQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
UserStatus	Complex Type
retrieveUserRequest	Element
retrieveUser	Method

Complex Type: UserReset

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.

Referenced By

Name	Type
resetPasswordRequest	Element
resetPassword	Method

Complex Type: UserResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainUser	DomainUser	1..1	See DomainUser. The organization display name is returned, not the organization identifier.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
user	User	1..1	See User. The organization display name is returned, not the organization identifier.

Referenced By

Name	Type
retrieveUserResponse	Element

Complex Type: UserStatus

Derived By

Extending UserQuery

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Referenced By

Name	Type
changeUserStatusRequest	Element
changeUserStatus	Method

Elements: UserAdministration

Elements

Name	Description
addGroupsRequest	An **addGroupsRequest** message contains an element of type GroupList.
addGroupsResponse	An **addGroupsResponse** message contains an element of StatusResponseList. Each group in the addGroupsRequest is imported as an atomic unit; importing each either succeeds or fails
addUsersRequest	An **addUsersRequest** message contains an element of type UserList. . Specify **users[]** or **domainUsers[]**,not both, in a single request.
addUsersResponse	An **addUsersResponse** message contains an element of StatusResponseList.
changeGroupStatusRequest	A **changeGroupStatusRequest** message contains an element of GroupStatus.
changeGroupStatusResponse	A **changeGroupStatusResponse** message contains an element of StatusResponse.
changeUserStatusRequest	A **changeUserStatusRequest** message contains an element of UserStatus.
changeUserStatusResponse	A **changeUserStatusResponse** message contains an element of StatusResponse.
countUsersRequest	A **countUsersRequest** message contains an element of CountUsersQuery.
countUsersResponse	A **countUsersResponse** message contains an element of CountUsersResponse.
customAttrMetaDataRequest	A **customAttrMetaDataRequest** message contains an element of EmptyRequest.
customAttrMetaDataResponse	A **customAttrMetaDataResponse** message contains an element of customAttrMetaDataResponse.
deleteUsersRequest	A **deleteUsersRequest** message contains an element of UserStatus.
deleteUsersResponse	A **deleteUsersResponse** message contains an element of StatusResponse.
findUsersRequest	A **findUsersRequest** message contains an element of FindUsersQuery.
findUsersResponse	A **findUsersResponse** message contains an element of FindUsersResponse.
resetPasswordRequest	A **resetPasswordRequest** message contains an element of UserReset.
resetPasswordResponse	A **resetPasswordResponse** message contains an element of StatusResponse.
retrieveAllGroupsRequest	A **retrieveAllGroupsRequest** message contains an element of EmptyRequest.
retrieveAllGroupsResponse	A **retrieveAllGroupsResponse** message contains an element of AllGroupsResponse.
retrieveAllUsersRequest	A **retrieveAllUsersRequest** message contains an element of EmptyRequest.
retrieveAllUsersResponse	A **retrieveAllUsersResponse** message contains an element of AllUsersResponse.
retrieveGroupRequest	A **retrieveGroupRequest** message contains an element of GroupQuery.
retrieveGroupResponse	A **retrieveGroupResponse** message contains an element of GroupResponse.
retrieveUserRequest	A **retrieveUserRequest** message contains an element of UserQuery.

Elements

Name	Description
retrieveUserResponse	A **retrieveUserResponse** message contains an element of UserResponse. Either **user** or **domainUser** will be returned, not both.
updateGroupsRequest	An **updateGroupsRequest** message contains an element of GroupList.
updateGroupsResponse	An **updateGroupsResponse** message contains an element of StatusResponseList. Each group in the **updateGroupsRequest** is updated as an atomic unit; updating each either succeeds or fails.
updateUsersRequest	An **updateUsersRequest** message contains an element of UserList. Specify **users[]** or **domainUsers[]**,not both, in a single request.
updateUsersResponse	An **updateUsersResponse** message contains an element of StatusResponseList. Each user in the updateUsersRequest is updated as an atomic unit; updating each either succeeds or fails.

Element: addGroupsRequest

Description

An **addGroupsRequest** message contains an element of type GroupList.

Derived By

Type GroupList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
domainGroups	DomainGroup	1..*	Optional. See DomainGroup.

Referenced By

Name	Type
addGroups	Method

XML Example

The following XML fragment illustrates an **addGroupsRequest** message:

```
<addGroupsRequest>
  <domainGroups>
    <groupDN>CN=Accounts,CN=Users,dc=test,dc=com</groupDN>
```

XML Example

```
    <domain>TestAD</domain>
    <status>Inactive</status>
    <roles>
      <name>Portal User Role</name>
    </roles>
  </domainGroups>
</addGroupsRequest>
```

Element: addGroupsResponse

Description

An **addGroupsResponse** message contains an element of StatusResponseList.

Each group in the addGroupsRequest is imported as an atomic unit; importing each either succeeds or fails

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
addGroups	Method

XML Example

The following XML fragment illustrates a successful **addGroupsResponse** message:

```
<addGroupsResponse>
  <status>
    <statusCorelation>GroupDN:"CN=Accounts,CN=Users,DC=test,DC=com"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully Added with "false" status
          INFO:Role "Portal User Role" added successfully
```

XML Example

```
            </statusMessage>
    </status>
  </addGroupsResponse>
```

Element: addUsersRequest

Description

An **addUsersRequest** message contains an element of type UserList. . Specify **users[]** or **domainUsers[]**,not both, in a single request.

Derived By

Type UserList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainUsers	DomainUser	1..*	Users in a directory service domain. The directory service domain must be configured in FlexNet Operations before domain users can be imported. See DomainUser.
users	User	1..*	Users in the FlexNet domain. See User.

Referenced By

Name	Type
addUsers	Method

XML Example

The following XML fragment illustrates an **addUsersRequest** message:

```
<addUsersRequest>
  <users>
    <userId>testuser</userId>
    <firstName>Test</firstName>
    <lastName>User</lastName>
    <email>test@example.com</email>
    <optIn>false</optIn>
    <phoneNumber>408-555-2222</phoneNumber>
    <faxNumber>408-555-0001</faxNumber>
    <locale>en_US</locale>
    <timeZone>-07:00</timeZone>
    <status>Active</status>
    <organization>ACME</organization>
    <shared>false</shared>
```

XML Example

```
    <roles>
      <name>Portal User Role</name>
    </roles>
  </users>
</addUsersRequest>
```

Element: addUsersResponse

Description

An **addUsersResponse** message contains an element of StatusResponseList.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
addUsers	Method

XML Example

The following XML fragment illustrates a successful **addUsersResponse** message:

```
<addUsersResponse>
  <status>
    <statusCorelation>UserID:"testuser"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully Added with "true" status
        INFO:Role "Portal User Role" added successfully
    </statusMessage>
  </status>
</addUsersResponse>
```

Element: changeGroupStatusRequest

Description

A **changeGroupStatusRequest** message contains an element of GroupStatus.

Derived By

Type GroupStatus

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
groupDN	string	1..1	Required. Distinguished name of the group in the directory service domain.
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Referenced By

Name	Type
changeGroupStatus	Method

XML Example

The following XML fragment illustrates a **changeGroupStatusRequest** message:

```
<changeGroupStatusRequest>
  <groupDN>CN=Engineering,CN=Users,DC=test,DC=com</groupDN>
  <domain>TestAD</domain>
  <status>Active</status>
</changeGroupStatusRequest></changeGroupStatusRequest>
```

Element: changeGroupStatusResponse

Description

A **changeGroupStatusResponse** message contains an element of StatusResponse.

Derived By

Type StatusResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusCorelation	string	0..1	
statusCode	string	0..1	
statusMessage	string	0..1	

Referenced By

Name	Type
changeGroupStatus	Method

XML Example

The following XML fragment illustrates a **changeGroupStatusResponse** message:

```
<changeGroupStatusResponse>
  <statusCorelation>GroupDN:"CN=Engineering,CN=Users,DC=testlab,DC=com"
        </statusCorelation>
  <statusCode>200</statusCode>
  <statusMessage>Status changed to "true"</statusMessage>
</changeGroupStatusResponse>
```

Element: changeUserStatusRequest

Description

A **changeUserStatusRequest** message contains an element of UserStatus.

Derived By

Type UserStatus

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).
status	StatusType	1..1	Optional. StatusType can be one of the following values: • Active • Inactive If not set, the status defaults to Active. Only need to specify if modifying value.

Referenced By

Name	Type
changeUserStatus	Method

Element: changeUserStatusResponse

Description

A **changeUserStatusResponse** message contains an element of StatusResponse.

Derived By

Type StatusResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusCorelation	string	0..1	
statusCode	string	0..1	
statusMessage	string	0..1	

Referenced By

Name	Type
changeUserStatus	Method

Element: countUsersRequest

Description

A **countUsersRequest** message contains an element of CountUsersQuery.

Derived By

Type CountUsersQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
CHOICE		1..1	
userSearchColumn	UserSearchColumnType	0..1	**userSearchColumn** can be one of the following: • UserName • DisplayName • OrganizationName ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***UserSearchCustomAttribute*** *elements, but not both.*
userSearchCustomAttribute	string	0..1	You can search for a user with the specified value of a text-type attribute, where the attribute name is appended by the string <_customattribute> (for example, OTHER_PRODUCTS_USED_customattribute). ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***userSearchCustomAttribute*** *elements, but not both.*
userSearchValue	string	0..1	Value of the **attribute** to match.

Referenced By

Name	Type
countUsers	Method

XML Example

The following XML fragment illustrates a **countUsersRequest** message using the **userSearchColumn** element:

```
<countUsersRequest>
  <userSearchColumn>OrganizationName</userSearchColumn>
  <userSearchValue>MYORG</userSearchValue>
</countUsersRequest>
```

The following XML fragment illustrates a **countUsersRequest** message using the **userSearchCustomAttribute** element:

```
<countUsersRequest>
  <userSearchCustomAttribute>OTHER_PRODUCTS_USED_customattribute</userSearchColumn>
  <userSearchValue>Acrobat</userSearchValue>
</countUsersRequest>
```

Element: countUsersResponse

Description

A **countUsersResponse** message contains an element of CountUsersResponse.

Derived By

Type CountUsersResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
count	integer	1..1	Number of users who match the specified criterion.
error	StatusResponse	1..1	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
countUsers	Method

XML Example

The following XML fragment illustrates a **countUsersResponse** message:

XML Example

```
<countUsersResponse>
  <count>4</count>
</countUsersResponse>
```

Element: customAttrMetaDataRequest

Description

A **customAttrMetaDataRequest** message contains an element of EmptyRequest.

Derived By

Type EmptyRequest

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
retrieveCustomAttrMetaData	Method

XML Example

The following XML fragment illustrates a **customAttrMetaDataRequest** message:

```
<<customAttrMetaDataRequest>
<empty></empty>
</customAttrMetaDataRequest>
```

Element: customAttrMetaDataResponse

Description

A **customAttrMetaDataResponse** message contains an element of customAttrMetaDataResponse.

Derived By

Type CustomAttrMetaDataResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
attributes	CustomAttributeMetaData	1..*	Returned custom user attribute metadata. See customAttrMetaData.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
retrieveCustomAttrMetaData	Method

XML Example

The following XML fragment illustrates a successful **customAttrMetaDataResponse** message :

```
<customAttrMetaDataResponse>
    <attributes>
      <name>OTHER_PRODUCTS_USED</name>
      <required>false</required>
      <type>TEXT</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>false</hasValidValues>
    </attributes>
    <attributes>
      <name>NO_OF_OTHER_PRODUCTS</name>
      <required>false</required>
      <type>NUMBER</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>false</hasValidValues>
    </attributes>
    <attributes>
      <name>REGION_BELONGS_TO</name>
      <required>false</required>
      <type>TEXT</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>true</hasValidValues>
      <validValues>USA</validValues>
      <validValues>EMEA</validValues>
      <validValues>ASIA</validValues>
    </attributes>
    <attributes>
      <name>CUSTOMER_SINCE_DATE</name>
      <required>false</required>
      <type>DATE</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>false</hasValidValues>
    </attributes>
```

XML Example

```
    <attributes>
      <name>SUBSCRIBE_NEWS</name>
      <required>false</required>
      <type>BOOLEAN</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>false</hasValidValues>
    </attributes>
    <attributes>
      <name>RATING</name>
      <required>false</required>
      <type>NUMBER</type>
      <hasRangeValues>true</hasRangeValues>
      <minRange>1</minRange>
      <maxRange>10</maxRange>
      <hasValidValues>false</hasValidValues>
    </attributes>
    <attributes>
      <name>PREFERRED_COMMUNICATION</name>
      <required>false</required>
      <type>MULTI_VALUED_TEXT</type>
      <hasRangeValues>false</hasRangeValues>
      <hasValidValues>true</hasValidValues>
      <validValues>Email</validValues>
      <validValues>Phone</validValues>
      <validValues>Post</validValues>
      <validValues>Other</validValues>
    </attributes>
  </customAttrMetaDataResponse>
```

Element: deleteUsersRequest

Description

A **deleteUsersRequest** message contains an element of UserStatus.

Derived By

Type DeleteUserList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..*	Required. The user name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
deleteUsers	Method

XML Example

The following XML fragment illustrates a **deleteUsersRequest** message:

```
<deleteUsersRequest>
  <userId>samual</userId>
  <userId>joel</userId>
  <domain>FLEXnet</domain>
</deleteUsersRequest>
```

Element: deleteUsersResponse

Description

A **deleteUsersResponse** message contains an element of StatusResponse.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
deleteUsers	Method

XML Example

The following XML fragment illustrates a successful **deleteUsersResponse** message:

XML Example

```
<deleteUsersResponse">
  <status>
    <statusCorelation>UserID:"samual"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully deleted user</statusMessage>
  </status>
  <status>
    <statusCorelation>UserID:"joel"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully deleted user</statusMessage>
  </status>
</deleteUsersResponse>
```

Element: findUsersRequest

Description

A **findUsersRequest** message contains an element of FindUsersQuery.

Derived By

Type FindUsersQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
CHOICE		1..1	
userSearchColumn	UserSearchColumnType	0..1	**userSearchColumn** can be one of the following: • UserName • DisplayName • OrganizationName ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***UserSearchCustomAttribute*** *elements, but not both.*
userSearchCustomAttribute	string	0..1	You can search for a user with the specified value of a text-type attribute, where the attribute name is appended by the string <_customattribute> (for example, OTHER_PRODUCTS_USED_customattribute). ***Note:*** *Use either the* ***userSearchColumn*** *or the* ***userSearchCustomAttribute*** *elements, but not both.*
userSearchValue	string	0..1	Value of the **attribute** to match.

Content Model

Component	Type	Occurs	Description
pageNumber	integer	0..1	Optional. Starts at 1. Say the findUsers operation using the query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set ***pageNumber*** to 2.
batchSize	integer	0..1	Optional. Maximum number of records to return in the response. If not provided, all results are returned.

Referenced By

Name	Type
findUsers	Method

XML Example

The following XML fragment illustrates a **findUsersRequest** message using the **UserSearchColumn** element:

```
<findUsersRequest>
  <userSearchColumn>UserName</userSearchColumn>
  <userSearchValue>admin</userSearchValue>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
</findUsersRequest>
```

The following XML fragment illustrates a **findUsersRequest** message using the **UserSearchCustomAttribute** element, showing the proper query:

```
<findUsersRequest>
    <userSearchCustomAttribute>OTHER_PRODUCTS_USED_customattribute<userSearchCustomAttribute>
      <userSearchValue>Acrobat</userSearchValue>
      <pageNumber>1</pageNumber>
      <batchSize>10</batchSize>
    </findUsersRequest>
```

Element: findUsersResponse

Description

A **findUsersResponse** message contains an element of FindUsersResponse.

Derived By

Type FindUsersResponse

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
users	DisplayUser	1..*	See DisplayUser.

Referenced By

Name	Type
findUsers	Method

XML Example

The following XML fragment illustrates a successful **findUsersResponse** message:

```
<findUsersResponse>
  <users>
    <userId>admin</userId>
    <shared>false</shared>
    <displayName>System Administration</displayName>
    <domain>FLEXnet</domain>
    <dateCreated>2009-02-15 10:46:29.0</dateCreated>
    <dateLastLogin>Tue Feb 20 18:24:42 PST 2009</dateLastLogin>
    <status>Active</status>
    <organization>My Organization</organization>
  </users>
</findUsersResponse>
```

Element: resetPasswordRequest

Description

A **resetPasswordRequest** message contains an element of UserReset.

Derived By

Type UserReset

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.

Referenced By

Name	Type
resetPassword	Method

Element: resetPasswordResponse

Description

A **resetPasswordResponse** message contains an element of StatusResponse.

Derived By

Type StatusResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusCorelation	string	0..1	
statusCode	string	0..1	
statusMessage	string	0..1	

Referenced By

Name	Type
resetPassword	Method

Element: retrieveAllGroupsRequest

Description

A **retrieveAllGroupsRequest** message contains an element of EmptyRequest.

Derived By

Type EmptyRequest

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
retrieveAllGroups	Method

XML Example

The following XML fragment illustrates a **retrieveAllGroupsRequest** message:

```
<retrieveAllGroupsRequest>
</retrieveAllGroupsRequest>
```

Element: retrieveAllGroupsResponse

Description

A **retrieveAllGroupsResponse** message contains an element of AllGroupsResponse.

Derived By

Type AllGroupsResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	

Content Model

Component	Type	Occurs	Description
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
groups	DisplayGroup	1..*	See DisplayGroup.

Referenced By

Name	Type
retrieveAllGroups	Method

XML Example

The following XML fragment illustrates a successful **retrieveAllGroupsResponse** message:

```
<retrieveAllGroupsResponse>
  <groups>
    <displayName>Engineering</displayName>
    <domain>TestAD</domain>
    <status>Inactive</status>
  </groups>
  <groups>
    <displayName>Accounts</displayName>
    <domain>TestAD</domain>
    <status>Active</status>
  </groups>
</retrieveAllGroupsResponse>
```

Element: retrieveAllUsersRequest

Description

A **retrieveAllUsersRequest** message contains an element of EmptyRequest.

Derived By

Type EmptyRequest

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
retrieveAllUsers	Method

XML Example

The following XML fragment illustrates a **retrieveAllUsersRequest** message:

```
<retrieveAllUsersRequest>
</retrieveAllUsersRequest>
```

Element: retrieveAllUsersResponse

Description

A **retrieveAllUsersResponse** message contains an element of AllUsersResponse.

Derived By

Type AllUsersResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
users	DisplayUser	1..*	See DisplayUser.

Referenced By

Name	Type
retrieveAllUsers	Method

XML Example

The following XML fragment illustrates a successful **retrieveAllUsersResponse** message:

```
<retrieveAllUsersResponse>
  <user>
    <userId>admin</userId>
    <shared>true</shared>
    <displayName>System Administration</displayName>
    <domain>FLEXnet</domain>
    <dateCreated>2005-11-30 14:13:56.0</dateCreated>
    <status>Active</status>
    <organization>My Organization</organization>
  </user>
...
  <user>
    <userId>testuser</userId>
    <shared>false</shared>
    <displayName>Test User</displayName>
    <domain>FLEXnet</domain>
    <dateCreated>2005-11-30 16:40:30.668</dateCreated>
    <dateLastLogin>2005-11-30 17:01:24.988</dateLastLogin>
    <status>Active</status>
    <organization>Acme Software Corporation</organization>
  </user>
  <error xsi:nil="true"/>
</retrieveAllUsersResponse>
```

Element: retrieveGroupRequest

Description

A **retrieveGroupRequest** message contains an element of GroupQuery.

Derived By

Type GroupQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
groupDN	string	1..1	Required. Distinguished name of the group in the directory service domain.

Content Model

Component	Type	Occurs	Description
domain	string	1..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
retrieveGroup	Method

XML Example

The following XML fragment illustrates a **retrieveGroupRequest** message:

```
<retrieveGroupRequest>
  <groupDN>CN=Accounts,CN=Users,DC=test,DC=com</groupDN>
  <domain>TestAD</domain>
</retrieveGroupRequest>
```

Element: retrieveGroupResponse

Description

A **retrieveGroupResponse** message contains an element of GroupResponse.

Derived By

Type GroupResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainGroup	DomainGroup	1..1	See DomainGroup.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
retrieveGroup	Method

XML Example

The following XML fragment illustrates a successful **retrieveGroupResponse** message:

```
<retrieveGroupResponse>
  <domainGroup>
    <groupDN>CN=Accounts,CN=Users,DC=test,DC=com</groupDN>
    <domain>TestAD</domain>
    <displayName>Accounts</displayName>
    <status>Active</status>
    <roles>
      <name>Executive<name>
    </roles>
  </domainGroup>
</retrieveGroupResponse>
```

Element: retrieveUserRequest

Description

A **retrieveUserRequest** message contains an element of UserQuery.

Derived By

Type UserQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	Required. User name to log in to FlexNet Operations.
domain	string	0..1	Required, if not the FlexNet domain. Domain that contains user information (for example, the name of a directory service configured in FlexNet Operations).

Referenced By

Name	Type
retrieveUser	Method

XML Example

The following XML fragment illustrates a **retrieveUserRequest** message:

```
<retrieveUserRequest>
  <userId>testuser</userId>
  <domain>FLEXnet</domain>
</retrieveUserRequest>
```

Element: retrieveUserResponse

Description

A **retrieveUserResponse** message contains an element of UserResponse. Either **user** or **domainUser** will be returned, not both.

Derived By

Type UserResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainUser	DomainUser	1..1	See DomainUser. The organization display name is returned, not the organization identifier.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
user	User	1..1	See User. The organization display name is returned, not the organization identifier.

Referenced By

Name	Type
retrieveUser	Method

XML Example

The following XML fragment illustrates a successful **retrieveUserResponse** message:

```
<retrieveUserResponse>
  <user>
```

XML Example

```
    <userId>testuser</userId>
    <firstName>Test</firstName>
    <lastName>User</lastName>
    <email>test@example.com</email>
    <optIn>false</optIn>
    <phoneNumber>408-555-2222</phoneNumber>
    <faxNumber>408-555-0001</faxNumber>
    <locale>en_US</locale>
    <timeZone>America/Dawson_Creek</timeZone>
    <status>Active</status>
    <organization>Acme Software Corporation</organization>
    <shared>false</shared>
    <roles>
      <name>Portal User Role</name>
    </roles>
  </user>
  <domainUser xsi:nil="true"/>
  <error xsi:nil="true"/>
</retrieveUserResponse>
```

Element: updateGroupsRequest

Description

An **updateGroupsRequest** message contains an element of GroupList.

Derived By

Type GroupList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
domainGroups	DomainGroup	1..*	Optional. See DomainGroup.

Referenced By

Name	Type
updateGroups	Method

XML Example

The following XML fragment illustrates an **updateGroupsRequest** message:

```
<updateGroupsRequest>
  <domainGroups>
    <groupDN>CN=Accounts,CN=Users,DC=test,DC=com</groupDN>
    <domain>TestAD</domain>
```

XML Example

```
    <status>Active</status>
    <roles>
      <name>Executive</name>
    </roles>
  </domainGroups>
</updateGroupsRequest>
```

Element: updateGroupsResponse

Description

An **updateGroupsResponse** message contains an element of StatusResponseList.

Each group in the **updateGroupsRequest** is updated as an atomic unit; updating each either succeeds or fails.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
updateGroups	Method

XML Example

The following XML fragment illustrates a successful **updateGroupsResponse** message:

```
<updateGroupsResponse>
  <status>
    <statusCorelation>GroupDN:"CN=Accounts,CN=Users,DC=test,DC=com"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully Updated with "true" status
          INFO:Role "Executive" added successfully</statusMessage>
  </status>
```

XML Example

```
</updateGroupsResponse>
```

Element: updateUsersRequest

Description

An **updateUsersRequest** message contains an element of UserList. Specify **users[]** or **domainUsers[]**,not both, in a single request.

Derived By

Type UserList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
domainUsers	DomainUser	1..*	Users in a directory service domain. The directory service domain must be configured in FlexNet Operations before domain users can be imported. See DomainUser.
users	User	1..*	Users in the FlexNet domain. See User.

Referenced By

Name	Type
updateUsers	Method

Element: updateUsersResponse

Description

An **updateUsersResponse** message contains an element of StatusResponseList.

Each user in the updateUsersRequest is updated as an atomic unit; updating each either succeeds or fails.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
updateUsers	Method

OrganizationAdministration Web Service

Description

Web service to manage organizations.

Introduction

The Organization Administration service manages organizations (by creating, updating, and querying operations).

Methods: OrganizationAdministration

Methods

Name	Description
addOrganizations	The **addOrganizations** operation adds one or more organizations and contacts.
countOrganizations	The **countOrganizations** operation returns the number of organizations who match a specified criterion.
deleteOrganizations	The **deleteOrganizations** operation deletes one or more organizations and contacts.
findOrganizations	The **findOrganizations** operation returns organizations whose organization identifier or display name contains the specified string. Organization contacts are also returned. ***Important:*** *The findOrganizations operation replaces the deprecated retrieveAllOrganizations operation. findOrganizations supports filtering organizations and paging the response to better support large numbers of organizations.*
retrieveAllOrganizations	The **retrieveAllOrganizations** operation returns a list of all organizations and their contacts. ***Important:*** *This operation was deprecated. Instead, use the* ***findOrganizations*** *operation because it supports filtering organizations and paging the response to better support large numbers of organizations.*
retrieveOrganization	The **retrieveOrganization** operation returns a single organization and its contacts.
updateOrganizations	The **updateOrganizations** operation updates organizations and contacts.

Method: addOrganizations

Description

The **addOrganizations** operation adds one or more organizations and contacts.

Parameters

Name	Type	Direction	Description
addOrganizationsRequest	OrganizationList	Input	See OrganizationList.

Returns

A addOrganizationsResponse element having the structure defined by the following table.

Returns

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: countOrganizations

Description

The **countOrganizations** operation returns the number of organizations who match a specified criterion.

Parameters

Name	Type	Direction	Description
countOrganizationsRequest	CountOrganizationsQuery	Input	See CountOrganizationsQuery.

Returns

A countOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
count	integer	Number of organizations who match the specified criterion.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: deleteOrganizations

Description

The **deleteOrganizations** operation deletes one or more organizations and contacts.

Parameters

Name	Type	Direction	Description
deleteOrganizationsRequest	DeleteOrganizationList	Input	See DeleteOrganizationList.

Returns

A deleteOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: findOrganizations

Description

The **findOrganizations** operation returns organizations whose organization identifier or display name contains the specified string. Organization contacts are also returned.

Important: *The findOrganizations operation replaces the deprecated retrieveAllOrganizations operation. findOrganizations supports filtering organizations and paging the response to better support large numbers of organizations.*

Parameters

Name	Type	Direction	Description
findOrganizationsRequest	FindOrganizationsQuery	Input	See FindOrganizationsQuery.

Returns

A findOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
organizations	DisplayOrganization	See DisplayOrganization.

Returns

Name	Type	Description
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveAllOrganizations

Description

The **retrieveAllOrganizations** operation returns a list of all organizations and their contacts.

Important: *This operation was deprecated. Instead, use the* ***findOrganizations*** *operation because it supports filtering organizations and paging the response to better support large numbers of organizations.*

Parameters

Name	Type	Direction	Description
retrieveAllOrganizationsRequest	EmptyRequest	Input	See EmptyRequest.

Returns

A retrieveAllOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
organizations	DisplayOrganization	See DisplayOrganization.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: retrieveOrganization

Description

The **retrieveOrganization** operation returns a single organization and its contacts.

Parameters

Name	Type	Direction	Description
retrieveOrganizationRequest	OrganizationQuery	Input	See OrganizationQuery.

Returns

A retrieveOrganizationResponse element having the structure defined by the following table.

Name	Type	Description
organization	DisplayOrganization	See DisplayOrganization.
error	StatusResponse	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Method: updateOrganizations

Description

The **updateOrganizations** operation updates organizations and contacts.

Parameters

Name	Type	Direction	Description
updateOrganizationsRequest	UpdateOrganizationList	Input	See UpdateOrganizationList.

Returns

A updateOrganizationsResponse element having the structure defined by the following table.

Name	Type	Description
status	StatusResponse	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Complex Types: OrganizationAdministration

Complex Types

Name
AllOrganizationResponse
Contact
CountOrganizationsQuery
CountOrganizationsResponse
DeleteOrganizationList
DisplayOrganization
EmptyRequest
FindOrganizationsQuery
FindOrganizationsResponse
Organization
OrganizationList
OrganizationQuery
OrganizationResponse
StatusResponseList
UpdateOrganization
UpdateOrganizationList

Complex Type: AllOrganizationResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
organizations	DisplayOrganization	1..*	See DisplayOrganization.

Referenced By

Name	Type
retrieveAllOrganizationsResponse	Element

Complex Type: Contact

Description

Contacts are considered to be duplicates if **firstName**, **lastName**, **email**, and **phoneNumber** values are all identical.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	Required. Contact's first name.
lastName	string	1..1	Required. Contact's last name.
email	string	0..1	Optional. Email address of contact.
optIn	boolean	0..1	Optional. Whether a contact wants to receive email from the Home organization (publisher). If not specified, defaults to false.
phoneNumber	string	0..1	Optional. Phone number of contact.
faxNumber	string	0..1	Optional. Fax number of contact.
street	string	0..1	Optional. Street address of contact.
city	string	0..1	Optional. City in which contact is located.
state	string	0..1	Optional. State in which contact is located.
postalCode	string	0..1	Optional. Postal code in which contact is located.
country	string	0..1	Optional. Country in which contact is located. Provide country in the two-character ISO-3166 format.
locale	string	0..1	Optional. A string containing one of the locale settings supported by Java, for example, en_US.
statusType	ContactStatusType	0..1	Ignored by the addOrganization operation. Specified contacts are always added, even if a different statusType is specified.

Complex Type: CountOrganizationsQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	0..1	Required. **name** is a string to match against part of an organization identifier or organization display name.

Referenced By

Name	Type
countOrganizationsRequest	Element
countOrganizations	Method

Complex Type: CountOrganizationsResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
count	integer	1..1	Number of organizations who match the specified criterion.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
countOrganizationsResponse	Element

Complex Type: DeleteOrganizationList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizationId	string	1..*	Required. Displayed as **Organization Identifier** (short organization name) in the web interface.
uniqueId	long	1..*	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.

Referenced By

Name	Type
deleteOrganizationsRequest	Element
deleteOrganizations	Method

Complex Type: DisplayOrganization

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
uniqueId	long	1..1	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
organizationId	string	1..1	Organization identifier of organization to update. Displayed as **Organization Identifier** (short organization name) in the web interface. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
organizationDisplayName	string	1..1	Optional (not required for a delete operation). Displayed as **Display Name** (full organization name) in the web interface.
parentOrganizationId	string	0..1	Not currently supported by FlexNet Operations.
parentOrganizationDisplayName	string	0..1	Not currently supported by FlexNet Operations.
contacts	Contact	0..*	Optional (not required for a delete operation). People in the organization. See Contact.

Complex Type: EmptyRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
retrieveAllOrganizationsRequest	Element
retrieveAllOrganizations	Method

Complex Type: FindOrganizationsQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	0..1	Required. **name** is a string to match against part of an organization identifier or organization display name.
pageNumber	integer	0..1	Optional. Starts at 1. Say the findOrganizations operation using the query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	0..1	Optional. Maximum number of records to return in the response. If not provided, all results are returned.

Referenced By

Name	Type
findOrganizationsRequest	Element
findOrganizations	Method

Complex Type: FindOrganizationsResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Content Model

Component	Type	Occurs	Description
organizations	DisplayOrganization	1..*	See DisplayOrganization.

Referenced By

Name	Type
findOrganizationsResponse	Element

Complex Type: Organization

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
organizationId	string	1..1	Organization identifier of organization to update. Displayed as **Organization Identifier** (short organization name) in the web interface. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
organizationDisplayName	string	1..1	Optional (not required for a delete operation). Displayed as **Display Name** (full organization name) in the web interface.
parentOrganizationId	string	0..1	Not currently supported by FlexNet Operations.
parentOrganizationDisplayName	string	0..1	Not currently supported by FlexNet Operations.
contacts	Contact	0..*	Optional (not required for a delete operation). People in the organization. See Contact.

Complex Type: OrganizationList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizations	Organization	1..*	Required. An **addOrganizationsRequest** contains an array of **organizations** elements. See Organization.

Referenced By

Name	Type
addOrganizationsRequest	Element
addOrganizations	Method

Complex Type: OrganizationQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizationId	string	1..1	Organization identifier of organization to update. Displayed as **Organization Identifier** (short organization name) in the web interface. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
uniqueId	long	1..1	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.

Referenced By

Name	Type
retrieveOrganizationRequest	Element
retrieveOrganization	Method

Complex Type: OrganizationResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
organization	DisplayOrganization	1..1	See DisplayOrganization.

Referenced By

Name	Type
retrieveOrganizationResponse	Element

Complex Type: StatusResponseList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
addOrganizationsResponse	Element
deleteOrganizationsResponse	Element
updateOrganizationsResponse	Element

Complex Type: UpdateOrganization

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
CHOICE		1..1	
organizationId	string	1..1	Organization identifier of organization to update. Displayed as **Organization Identifier** (short organization name) in the web interface. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
uniqueId	long	1..1	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
newOrganizationId	string	0..1	Specify only if changing the organization identifier. Displayed as **Organization Identifier** (short organization name) in the web interface.
newOrganizationDisplayName	string	0..1	Specify only if changing the organization display name. Displayed as **Display Name** (full organization name) in the web interface. OrganizationDisplayNameType is a string.
parentOrganizationId	string	0..1	Not currently supported by FlexNet Operations.
parentOrganizationDisplayName	string	0..1	Not currently supported by FlexNet Operations.
contacts	Contact	0..*	Optional (not required for a delete operation). People in the organization. See Contact.

Complex Type: UpdateOrganizationList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizations	UpdateOrganization	1..*	Required. An **updateOrganizationsRequest** contains an array of organizations elements. See UpdateOrganization.

Referenced By

Name	Type
updateOrganizationsRequest	Element
updateOrganizations	Method

Elements: OrganizationAdministration

Elements

Name	Description
addOrganizationsRequest	An **addOrganizationsRequest** message contains an element of OrganizationList.
addOrganizationsResponse	An **addOrganizationsResponse** message contains an element of StatusResponseList. Each organization in the **addOrganizationsRequest** is added as an atomic unit; adding each either succeeds or fails
countOrganizationsRequest	A **countOrganizationsRequest** message contains an element of CountOrganizationsQuery.
countOrganizationsResponse	A **countOrganizationsResponse** message contains an element of CountOrganizationsResponse.
deleteOrganizationsRequest	A **deleteOrganizationsRequest** message contains an element of OrganizationList.
deleteOrganizationsResponse	A **deleteOrganizationsResponse** message contains an element of StatusResponseList. Each organization in the **deleteOrganizationsRequest** is added as an atomic unit; adding either succeeds or fails.
findOrganizationsRequest	A **findOrganizationsRequest** message contains an element of FindOrganizationsQuery.
findOrganizationsResponse	A **findOrganizationsResponse** message contains an element of FindOrganizationsResponse.
retrieveAllOrganizationsRequest	A **retrieveAllOrganizationsRequest** message contains an element of **EmptyRequest**.
retrieveAllOrganizationsResponse	A **retrieveAllOrganizationsResponse** message contains an element of AllOrganizationsResponse.
retrieveOrganizationRequest	A **retrieveOrganizationRequest** message contains an element of OrganizationQuery. In the request, specify *either* **uniqueId** or **organizationId** to uniquely specify the organization, not both.
retrieveOrganizationResponse	A **retrieveOrganizationResponse** message contains an element of OrganizationResponse.
updateOrganizationsRequest	An **updateOrganizationRequest** message contains an element of UpdateOrganizationList.
updateOrganizationsResponse	An **updateOrganizationsResponse** message contains an element of StatusResponseList. Each organization in the **updateOrganizationRequest** is updated as an atomic unit; updating each either succeeds or fails.

Element: addOrganizationsRequest

Description

An **addOrganizationsRequest** message contains an element of OrganizationList.

Derived By

Type OrganizationList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizations	Organization	1..*	Required. An **addOrganizationsRequest** contains an array of **organizations** elements. See Organization.

Referenced By

Name	Type
addOrganizations	Method

XML Example

The following XML fragment illustrates an **addOrganizationsRequest** message:

```
<addOrganizationsRequest>
  <organizations>
    <organizationId>TESTORG</organizationId>
    <organizationDisplayName>Test Org</organizationDisplayName>
    <contacts>
      <firstName>Test</firstName>
      <lastName>Contact</lastName>
      <email>test@example.com</email>
      <optIn>false</optIn>
      <phoneNumber>408-555-2222</phoneNumber>
      <faxNumber/>
      <street>123 Main St.</street>
      <city>San Jose</city>
      <state>CA</state>
      <postalCode>95025</postalCode>
      <country>US</country>
      <locale>en_US</locale>
    </contacts>
  </organizations>
</addOrganizationsRequest>
```

Element: addOrganizationsResponse

Description

An **addOrganizationsResponse** message contains an element of StatusResponseList.

Each organization in the **addOrganizationsRequest** is added as an atomic unit; adding each either succeeds or fails

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
addOrganizations	Method

XML Example

The following XML fragment illustrates a successful **addOrganizationsResponse** message:

```
<addOrganizationsResponse>
  <status>
    <statusCorrelation>Organization ID:"TESTORG"
          DisplayName:"Test Org"</statusCorrelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully Added</statusMessage>
  </status>
</addOrganizationsResponse>
```

Element: countOrganizationsRequest

Description

A **countOrganizationsRequest** message contains an element of CountOrganizationsQuery.

Derived By

Type CountOrganizationsQuery

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	0..1	Required. **name** is a string to match against part of an organization identifier or organization display name.

Referenced By

Name	Type
countOrganizations	Method

XML Example

The following XML fragment illustrates a **countOrganizationsRequest** message:

```
<countOrganizationsRequest>
  <name>Echo</name>
</countOrganizationsRequest>
```

Element: countOrganizationsResponse

Description

A **countOrganizationsResponse** message contains an element of CountOrganizationsResponse.

Derived By

Type CountOrganizationsResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
count	integer	1..1	Number of organizations who match the specified criterion.
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
countOrganizations	Method

XML Example

The following XML fragment illustrates a successful **countOrganizationsResponse** message:

```
<countOrganizationsResponse>
  <count>1</count>
</countOrganizationsResponse>
```

Element: deleteOrganizationsRequest

Description

A **deleteOrganizationsRequest** message contains an element of OrganizationList.

Derived By

Type DeleteOrganizationList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizationId	string	1..*	Required. Displayed as **Organization Identifier** (short organization name) in the web interface.
uniqueId	long	1..*	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.

Referenced By

Name	Type
deleteOrganizations	Method

XML Example

The following XML fragments illustrate a **deleteOrganizationRequest** message:

```
<deleteOrganizationsRequest>
  <organizationId>Test-Org11</organizationId>
  <organizationId>Test-Org12</organizationId>
</deleteOrganizationsRequest>
```

Element: deleteOrganizationsResponse

Description

A **deleteOrganizationsResponse** message contains an element of StatusResponseList.

Each organization in the **deleteOrganizationsRequest** is added as an atomic unit; adding either succeeds or fails.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
deleteOrganizations	Method

XML Example

The following XML fragments illustrate a successful **deleteOrganizationResponse** message:

```
<deleteOrganizationsResponse>
  <status>
    <statusCorelation>Name:"Test-Org11"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully deleted organization</statusMessage>
  </status>
  <status>
    <statusCorelation>Name:"Test-Org12"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully deleted organization</statusMessage>
  </status>
</deleteOrganizationsResponse>
```

Element: findOrganizationsRequest

Description

A **findOrganizationsRequest** message contains an element of FindOrganizationsQuery.

Derived By

Type FindOrganizationsQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	0..1	Required. **name** is a string to match against part of an organization identifier or organization display name.
pageNumber	integer	0..1	Optional. Starts at 1. Say the findOrganizations operation using the query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	0..1	Optional. Maximum number of records to return in the response. If not provided, all results are returned.

Referenced By

Name	Type
findOrganizations	Method

XML Example

The following XML fragment illustrates a **findOrganizationsRequest** message:

```
<findOrganizationsRequest>
  <name>TESTORG</name>
  <pageNumber>1</pageNumber>
  <batchSize>50</batchSize>
</findOrganizationsRequest>
```

Element: findOrganizationsResponse

Description

A **findOrganizationsResponse** message contains an element of FindOrganizationsResponse.

Derived By

Type FindOrganizationsResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
organizations	DisplayOrganization	1..*	See DisplayOrganization.

Referenced By

Name	Type
findOrganizations	Method

XML Example

The following XML fragment illustrates a successful **findOrganizationsResponse** message:

```
<findOrganizationsResponse>
  <organizations>
    <uniqueId>20190</uniqueId>
    <organizationId>TESTORGANIZATION</organizationId>
    <organizationDisplayName>Test Organization</organizationDisplayName>
    <contacts>
       <firstName>Test</firstName>
       <lastName>Contact</lastName>
       <email>test@example.com</email>
       <phoneNumber>408-555-5555</phoneNumber>
       <faxNumber/>
       <street>123 Main St.</street>
       <city>San Jose</city>
       <state>CA</state>
       <postalCode>95025</postalCode>
       <country>US</country>
       <locale>en_US</locale>
    </contacts>
  </organizations>
  <organizations>
    <organizationId>TESTORG2</organizationId>
    <organizationDisplayName>Test Org2</organizationDisplayName>
  </organizations>
  <error xsi:nil="true"/>
</findOrganizationsResponse>
```

Element: retrieveAllOrganizationsRequest

Description

A **retrieveAllOrganizationsRequest** message contains an element of **EmptyRequest**.

Derived By

Type EmptyRequest

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
empty	string	0..1	Required. Leave value blank.

Referenced By

Name	Type
retrieveAllOrganizations	Method

XML Example

The following XML fragment illustrates a **retrieveAllOrganizationsRequest** message:

```
<retrieveAllOrganizationsRequest>
</retrieveAllOrganizationsRequest>
```

Element: retrieveAllOrganizationsResponse

Description

A **retrieveAllOrganizationsResponse** message contains an element of AllOrganizationsResponse.

Derived By

Type AllOrganizationResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	

Content Model

Component	Type	Occurs	Description
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
organizations	DisplayOrganization	1..*	See DisplayOrganization.

Referenced By

Name	Type
retrieveAllOrganizations	Method

XML Example

The following XML fragment illustrates a successful **retrieveAllOrganizationsResponse** message:

```
<retrieveAllOrganizationsResponse>
  <organizations>
    <uniqueId>100059</uniqueId>
    <organizationId>MYORG</organizationId>
    <organizationDisplayName>My Organization</organizationDisplayName>
  </organizations>
...
  <organizations>
    <uniqueId>103049</uniqueId>
    <organizationId>TESTORGANIZATION</organizationId>
    <organizationDisplayName>Test Organization</organizationDisplayName>
    <contacts>
       <firstName>Test</firstName>
       <lastName>Contact</lastName>
       <email>test@example.com</email>
       <optIn>false</optIn>
       <phoneNumber>408-555-5555</phoneNumber>
       <statusType xsi:nil="true"/>
    </contacts>
  </organizations>
  <error xsi:nil="true"/>
</retrieveAllOrganizationsResponse>
```

Element: retrieveOrganizationRequest

Description

A **retrieveOrganizationRequest** message contains an element of OrganizationQuery. In the request, specify *either* **uniqueId** or **organizationId** to uniquely specify the organization, not both.

Derived By

Type OrganizationQuery

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizationId	string	1..1	Organization identifier of organization to update. Displayed as **Organization Identifier** (short organization name) in the web interface. Either the **uniqueId** or **organizationId** are required to identify the organization to update.
uniqueId	long	1..1	Database identifier of the organization to update. Either the **uniqueId** or **organizationId** are required to identify the organization to update.

Referenced By

Name	Type
retrieveOrganization	Method

XML Example

The following XML fragment illustrates a **retrieveOrganizationRequest** message:

```
<retrieveOrganizationRequest>
  <organizationId>TESTORG</organizationId>
</retrieveOrganizationRequest>
```

Element: retrieveOrganizationResponse

Description

A **retrieveOrganizationResponse** message contains an element of OrganizationResponse.

Derived By

Type OrganizationResponse

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
CHOICE		1..1	
error	StatusResponse	1..1	**error** contains the following string elements: • statusCorrelation • statusCode • statusMessage
organization	DisplayOrganization	1..1	See DisplayOrganization.

Referenced By

Name	Type
retrieveOrganization	Method

XML Example

The following XML fragment illustrates a successful **retrieveOrganizationResponse** message:

```
<retrieveOrganizationResponse>
  <organization>
    <uniqueId>20190</uniqueId>
    <organizationId>TESTORGANIZATION</organizationId>
    <organizationDisplayName>Test Organization</organizationDisplayName>
    <contacts>
       <firstName>Test</firstName>
       <lastName>Contact</lastName>
       <email>test@example.com</email>
       <optIn>false</optIn>
       <phoneNumber>408-555-5555</phoneNumber>
       <statusType xsi:nil="true"/>
    </contacts>
  </organization>
  <error xsi:nil="true"/>
</retrieveOrganizationResponse>
```

Element: updateOrganizationsRequest

Description

An **updateOrganizationRequest** message contains an element of UpdateOrganizationList.

Derived By

Type UpdateOrganizationList

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
CHOICE		1..1	
organizations	UpdateOrganization	1..*	Required. An **updateOrganizationsRequest** contains an array of organizations elements. See UpdateOrganization.

Referenced By

Name	Type
updateOrganizations	Method

XML Example

The following XML fragment illustrates an **updateOrganizationsRequest** message:

```
<updateOrganizationsRequest>
  <organizations>
    <organizationId>TESTORG</organizationId>
    <newOrganizationId>TESTORGANIZATION</newOrganizationId>
    <newOrganizationDisplayName>Test Organization</newOrganizationDisplayName>
    <contacts>
       <firstName>Test</firstName>
       <lastName>Contact</lastName>
       <email>test@example.com</email>
       <phoneNumber>408-555-5555</phoneNumber>
       <statusType>Update</statusType
    </contacts>
  </organizations>
</updateOrganizationsRequest>
```

Element: updateOrganizationsResponse

Description

An **updateOrganizationsResponse** message contains an element of StatusResponseList.

Each organization in the **updateOrganizationRequest** is updated as an atomic unit; updating each either succeeds or fails.

Derived By

Type StatusResponseList

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	StatusResponse	1..*	**status** contains the following string elements: • statusCorrelation • statusCode • statusMessage

Referenced By

Name	Type
updateOrganizations	Method

XML Example

The following XML fragment illustrates a successful **updateOrganizationsResponse** message:

```
<updateOrganizationsResponse>
  <status>
    <statusCorelation>Organization ID:"TESTORG" DisplayName:"Test Organization"</statusCorelation>
    <statusCode>200</statusCode>
    <statusMessage>Successfully Updated</statusMessage>
  </status>
</updateOrganizationsResponse>
```

FlexnetAuthentication Web Service

Description

Web service to manage Flexnet authentication.

Introduction

The Flexnet Authentication service manages the authentication of a FlexNet Operations user by processing a token passed from another application that performs user authentication, such as a company portal.

Methods: FlexnetAuthentication

Methods

Name	Description
getSecureToken	The **getSecureToken** operation receives a user identity from an external application to which an end-user has logged in successfully. A unique token is generated for the user identity in the request and passed back to the requesting application. The external application uses this token to support a single sign-on mechanism that allows the end-user to bypass the FlexNet Operations login page.
getUserToken	The **getUserToken** operation receives a string from an external application to which an end-user has logged in successfully. A token is generated and passed back to the requesting application. The external application uses this token to support a single sign-on mechanism that allows the end-user to bypass the FlexNet Operations login page. ***Caution:****The getUserToken operation was deprecated in FlexNet Operations 8.3.0.2 and its use is not recommended. It is supported for backwards compatibility only.*

Method: getSecureToken

Description

The **getSecureToken** operation receives a user identity from an external application to which an end-user has logged in successfully. A unique token is generated for the user identity in the request and passed back to the requesting application. The external application uses this token to support a single sign-on mechanism that allows the end-user to bypass the FlexNet Operations login page.

Parameters

Name	Type	Direction	Description
secureTokenRequest	IdentityType	Input	See IdentityType.

Returns

A secureTokenResponse element having the structure defined by the following table.

Name	Type	Description
token	string	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations. The token should be used for the same user identity that is passed in the request.

Method: getUserToken

Description

The **getUserToken** operation receives a string from an external application to which an end-user has logged in successfully. A token is generated and passed back to the requesting application. The external application uses this token to support a single sign-on mechanism that allows the end-user to bypass the FlexNet Operations login page.

Caution:*The getUserToken operation was deprecated in FlexNet Operations 8.3.0.2 and its use is not recommended. It is supported for backwards compatibility only.*

Parameters

Name	Type	Direction	Description
applicationName	string	Input	A token string.

Returns

A UserTokenReturn element having the structure defined by the following table.

Name	Type	Description
Token	string	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations.

Complex Types: FlexnetAuthentication

Complex Types

Name
IdentityType
TokenResponseType
UserTokenReturnType

Complex Type: IdentityType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	**userId** is the identity of the user for whom the token will be requested. FlexNet Operations will generate a token linked to this **userId**.

Referenced By

Name	Type
secureTokenRequest	Element
getSecureToken	Method

Complex Type: TokenResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
token	string	1..1	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations. The token should be used for the same user identity that is passed in the request.

Referenced By

Name	Type
secureTokenResponse	Element

Complex Type: UserTokenReturnType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Token	string	1..1	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations.

Referenced By

Name	Type
UserTokenReturn	Element

Elements: FlexnetAuthentication

Elements

Name	Description
secureTokenRequest	A **secureTokenRequest** contains an element of IdentityType.
secureTokenResponse	A **secureTokenResponse** message contains an element of SecureTokenReturnType.
UserTokenInput	A **UserTokenInput** message contains a string.
UserTokenReturn	A **UserTokenReturn** message contains an element of UserTokenReturnType.

Element: secureTokenRequest

Description

A **secureTokenRequest** contains an element of IdentityType.

Derived By

Type IdentityType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
userId	string	1..1	**userId** is the identity of the user for whom the token will be requested. FlexNet Operations will generate a token linked to this **userId**.

Referenced By

Name	Type
getSecureToken	Method

XML Example

The following XML fragment illustrates a **getSecureTokenRequest** message:

```
<secureTokenRequest>
<userId>sjoe</userId>
</secureTokenRequest>
```

Element: secureTokenResponse

Description

A **secureTokenResponse** message contains an element of SecureTokenReturnType.

Derived By

Type TokenResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
token	string	1..1	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations. The token should be used for the same user identity that is passed in the request.

Referenced By

Name	Type
getSecureToken	Method

XML Example

The following XML fragment illustrates a **secureTokenResponse** message:

```
<secureTokenResponse>
  <token>ras12hkflgthksgymjk</token>
</secureTokenResponse>
```

Element: UserTokenInput

Description

A **UserTokenInput** message contains a string.

Derived By

Type string

Referenced By

Name	Type
getUserToken	Method

XML Example

The following XML fragment illustrates a **UserTokenInput** message:

```
<UserTokenInput>sjdgljkr</UserTokenInput>
```

Element: UserTokenReturn

Description

A **UserTokenReturn** message contains an element of UserTokenReturnType.

Derived By

Type UserTokenReturnType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Token	string	1..1	Secure token passed back to the external application. This token supports the implementation of a single sign-on mechanism for the external application and FlexNet Operations.

Referenced By

Name	Type
getUserToken	Method

XML Example

The following XML fragment illustrates a **UserTokenReturn** message:

```
<UserTokenReturn>
  <Token>rohkflgthksgymjks</Token>
</UserTokenReturn>
```

ManageDeviceService Web Service

Description

Web service to manage devices.

Introduction

The Device Management service enables management of hardware devices.

License Restrictions

Some license restrictions govern the use of the Device Management service:

- You must have a FLEXnetOps.FLEXnetEmbedded license to use the Device Management service
- You must have a FLEXnetOps.MultiTierSupport license to specify partner tiers other than the default (endcustomer and tier1) tiers.

In both cases, if you haven't installed a required license, FlexNet Operations returns an error:

ERROR Initialization Failed - Unable to set/verify permissions.

Methods: ManageDeviceService

Methods

Name	Description
createDevice	The **createDevice** operation operation takes information about one or more client or server devices and adds them to FlexNet Operations. Devices are created in the Active state.
decrementAddonLineItems	The **decrementAddonLineItems** operation takes one or many devices and decrements entitlement line items to the devices. To decrement a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is decremented, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created. If decrementing for a device fails, then the failed devices are displayed in the response data.
deleteAddonLineItems	The **deleteAddonLineItems** operation takes one or many devices and deletes entitlement line items from the devices. If deleting for a device fails, then the failed devices are displayed in the response data.
deleteDevice	The **deleteDevice** operation deletes one or more hardware devices.
generateCapabilityResponse	The **generateCapabilityResponse** operation generates capability responses for one or more devices, either from a submitted capability request or from input data that comprises a capability request. This operation optionally maps activation IDs and generates a buffer response for client devices; in the absence of optional input parameters, a capability response is generated. The generateCapabilityResponse operation returns an error for requests to: • generate a buffer response for a server device • generate a buffer response for a client device that previously received a capability response • generate a capability response for a client device that previously received a buffer response • remove or decrease copies of client device buffer licenses **Generating from Capability Requests** This mode allows a collection of base-64 encoded binary capability requests to be uploaded in one web service operation, licenses (capability and buffer responses) generated or re-generated, as appropriate, and returned to the caller. In this mode, the behavior is identical to the devices being directly connected and receiving responses (or as if requests were uploaded for offline activation), including the ability to register unknown devices if FlexNet Operations is configured to allow adding unknown devices. Confirmation of license removal is possible, and empty responses are returned if nothing changes on the client. In the case of a buffer response, a license cannot be returned (in other words, the count cannot be decreased). The binary responses are returned with base-64 encoding, and wrapped in XML elements that identify the device for which they are intended.

Methods

Name	Description
	Generating from Web Service Parameters This mode bypasses the need for the caller to get or create binary capability requests. The caller specifies the hostid of each device to be processed, and optionally supplies the force generation flag, the last update time, and vendor dictionary entries. ***Note:*** *If the last update time information is not supplied, the time used is the logical beginning of time. In this case, it is not possible to confirm removal of licenses in the usual way. To support return operations without the last update time, either set the configuration parameter to skip confirmation (which applies to all devices) or define the DeviceRequestHandler.handleResponse call-out to skip confirmation for devices that require special treatment. For example, the handleResponse call-out could be used to skip confirmation only for node-locked licenses (requests coming from clients) but not for served licenses.*
generateCloneDetectionReport	If the setting for "Clone Detection" is enabled in FNO UI under **System > Configure > Embedded Devices > Host Options**, then FNO is capable of detecting if multiple devices are sending in duplicate caprequests to the CLS server (i.e. a fraud). FNO and LFS starts tracking these as duplicate devices as "Clone Suspects". This web-service helps users to identify such clone-suspects. The inputs required are the enterpriseID (that identifies the organization) and the startDate and endDate in which the clone-suspects should be listed.
generatePrebuiltLicense	The **generatePrebuiltLicense** service takes one or many devices and generates pre-installed licenses for the devices. If the pre-installed license has already been generated, it is regenerated. There are no restrictions on how many times a pre-installed license can be regenerated.
getAutoProvisionedServer	The **getAutoProvisionedServer** operation returns the default Cloud License Server for the enterprise, if one exists.
getDeviceCount	The **getDeviceCount** operation takes one or more query parameters to return the number of matching devices. If no specific query parameters are provided in the <queryParams> element, the total number of devices is returned.
getDevicesQuery	The **getDevicesQuery** operation takes one or more query parameters to return the matching devices. If no specific query parameters are provided in the **<queryParams>** element, all devices are returned.
incrementAddonLineItems	The **incrementAddonLineItems** operation takes one or many devices and increments entitlement line items to the devices. To increment a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is incremented, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created. If incrementing for a device fails, then the failed devices are displayed in the response data.

Methods

Name	Description
linkAddonLineItems	The **linkAddonLineItems** operation takes one or many devices and links entitlement line items to the devices. To link a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is linked, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created. If linking for a device fails, then the failed devices are displayed in the response data.
moveDevice	The **moveDevice** operation moves a device from one organization to a related organization. A device that has not yet been assigned as sold-to a customer can be moved. For example, the parent organization can move the device from one of its child organizations (a regional division, for instance) to another child organization. When a device is moved, any entitlements that belong to that device are moved as well. The result of such a move is to either create new entitlements for the receiving organization or to increment the count of that organization's exising, matching entitlements by the count on the device that was moved.
obsoleteHost	The **obsoleteHost** operation returns all licenses and sets the status of host to "OBSOLETE". Host id is appended with the timestamp and word "OBSOLETE".
returnHost	The **returnHost** operation returns all licenses and sets the status of host to "RETURNED". If a target host is supplied, licenses are transferred to the target host.
updateDevice	The **updateDevice** operation updates one or more hardware devices.

Method: createDevice

Description

The **createDevice** operation operation takes information about one or more client or server devices and adds them to FlexNet Operations. Devices are created in the Active state.

Parameters

Name	Type	Direction	Description
msgparameters	createDevRequestType	Input	See createDevRequestType.

Returns

A createDeviceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.

Returns

Name	Type	Description
failedData	failedCreateDevDataListType	See failedCreateDevDataListType.
responseData	createdDeviceDataListType	See createdDeviceDataListType.

Method: decrementAddonLineItems

Description

The **decrementAddonLineItems** operation takes one or many devices and decrements entitlement line items to the devices.

To decrement a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is decremented, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created.

If decrementing for a device fails, then the failed devices are displayed in the response data.

Parameters

Name	Type	Direction	Description
msgparameters	linkAddonLineItemsRequestType	Input	See linkAddonLineItemsRequestType.

Returns

A decrementAddonLineItemsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	See linkFailAddonDataListType.
responseData	successAddonDataListType	See successAddonDataListType.

Method: deleteAddonLineItems

Description

The **deleteAddonLineItems** operation takes one or many devices and deletes entitlement line items from the devices.

If deleting for a device fails, then the failed devices are displayed in the response data.

Parameters

Name	Type	Direction	Description
msgparameters	deleteAddonLineItemsRequestType	Input	See deleteAddonLineItemsRequestType.

Returns

A deleteAddonLineItemsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	deleteFailAddonDataListType	See deleteFailAddonDataListType.
responseData	successAddonDataListType	See successAddonDataListType.

Method: deleteDevice

Description

The **deleteDevice** operation deletes one or more hardware devices.

Parameters

Name	Type	Direction	Description
msgparameters	deleteDeviceRequestType	Input	See deleteDeviceRequestType.

Returns

A deleteDeviceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedDeleteDevDataListType	See failedDeleteDevDataListType.

Method: generateCapabilityResponse

Description

The **generateCapabilityResponse** operation generates capability responses for one or more devices, either from a

Description

submitted capability request or from input data that comprises a capability request. This operation optionally maps activation IDs and generates a buffer response for client devices; in the absence of optional input parameters, a capability response is generated. The generateCapabilityResponse operation returns an error for requests to:

- generate a buffer response for a server device
- generate a buffer response for a client device that previously received a capability response
- generate a capability response for a client device that previously received a buffer response
- remove or decrease copies of client device buffer licenses

Generating from Capability Requests

This mode allows a collection of base-64 encoded binary capability requests to be uploaded in one web service operation, licenses (capability and buffer responses) generated or re-generated, as appropriate, and returned to the caller. In this mode, the behavior is identical to the devices being directly connected and receiving responses (or as if requests were uploaded for offline activation), including the ability to register unknown devices if FlexNet Operations is configured to allow adding unknown devices. Confirmation of license removal is possible, and empty responses are returned if nothing changes on the client. In the case of a buffer response, a license cannot be returned (in other words, the count cannot be decreased). The binary responses are returned with base-64 encoding, and wrapped in XML elements that identify the device for which they are intended.

Generating from Web Service Parameters

This mode bypasses the need for the caller to get or create binary capability requests. The caller specifies the hostid of each device to be processed, and optionally supplies the force generation flag, the last update time, and vendor dictionary entries.

Note: *If the last update time information is not supplied, the time used is the logical beginning of time. In this case, it is not possible to confirm removal of licenses in the usual way. To support return operations without the last update time, either set the configuration parameter to skip confirmation (which applies to all devices) or define the DeviceRequestHandler.handleResponse call-out to skip confirmation for devices that require special treatment. For example, the handleResponse call-out could be used to skip confirmation only for node-locked licenses (requests coming from clients) but not for served licenses.*

Parameters

Name	Type	Direction	Description
msgparameters	generateCapabilityResponseRequestType	Input	See generateCapabilityResponseRequestType.

Returns

A generateCapabilityResponseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.

Returns

Name	Type	Description
failedData	failedGenerateCapabilityResponseDataType	See failedGenerateCapabilityResponseDataType.
responseData	generateCapabilityResponseDataType	See generateCapabilityResponseDataType.

Method: generateCloneDetectionReport

Description

If the setting for "Clone Detection" is enabled in FNO UI under **System > Configure > Embedded Devices > Host Options**, then FNO is capable of detecting if multiple devices are sending in duplicate caprequests to the CLS server (i.e. a fraud). FNO and LFS starts tracking these as duplicate devices as "Clone Suspects". This web-service helps users to identify such clone-suspects. The inputs required are the enterpriseID (that identifies the organization) and the startDate and endDate in which the clone-suspects should be listed.

Parameters

Name	Type	Direction	Description
msgparameters	generateCloneDetectionReportRequest	Input	See generateCloneDetectionReportRequest.

Returns

A generateCloneDetectionReportResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
cloneSuspects	anyType (restriction)	See cloneSuspect.

Method: generatePrebuiltLicense

Description

The **generatePrebuiltLicense** service takes one or many devices and generates pre-installed licenses for the devices. If the pre-installed license has already been generated, it is regenerated. There are no restrictions on how many times a pre-installed license can be regenerated.

Parameters

Name	Type	Direction	Description
msgparameters	generatePrebuiltLicenseRequestType	Input	See generatePrebuiltLicenseRequestType.

Returns

A generatePrebuiltLicenseResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedGeneratePrebuiltLicenseDataListType	See failedGeneratePrebuiltLicenseDataListType.
responseData	generatePrebuiltLicenseDataListType	See generatePrebuiltLicenseListType.

Method: getAutoProvisionedServer

Description

The **getAutoProvisionedServer** operation returns the default Cloud License Server for the enterprise, if one exists.

Parameters

Name	Type	Direction	Description
msgparameters	getAutoProvisionedServerRequest	Input	

Returns

A getAutoProvisionedServerResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
cloudLicenseServer	deviceIdentifier	See deviceIdentifier.

Method: getDeviceCount

Description

The **getDeviceCount** operation takes one or more query parameters to return the number of matching devices. If no specific query parameters are provided in the <queryParams> element, the total number of devices is returned.

Parameters

Name	Type	Direction	Description
msgparameters	getDevicesCountRequestType	Input	See getDevicesCountRequestType.

Returns

A getDeviceCountResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	See failedGetDevicesDataType.
responseData	getDeviceCountResponseDataType	See getDeviceCountResponseDataType.

Method: getDevicesQuery

Description

The **getDevicesQuery** operation takes one or more query parameters to return the matching devices. If no specific query parameters are provided in the <**queryParams**> element, all devices are returned.

Parameters

Name	Type	Direction	Description
msgparameters	getDevicesRequestType	Input	See getDevicesRequestType.

Returns

A getDevicesResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	See failedGetDevicesDataType.
responseData	getDevicesResponseDataType	See getDevicesResponseDataType.

Method: incrementAddonLineItems

Description

The **incrementAddonLineItems** operation takes one or many devices and increments entitlement line items to the devices.

To increment a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is incremented, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created.

If incrementing for a device fails, then the failed devices are displayed in the response data.

Parameters

Name	Type	Direction	Description
msgparameters	linkAddonLineItemsRequestType	Input	See linkAddonLineItemsRequestType.

Returns

A incrementAddonLineItemsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	See linkFailAddonDataListType.
responseData	successAddonDataListType	See successAddonDataListType.

Method: linkAddonLineItems

Description

The **linkAddonLineItems** operation takes one or many devices and links entitlement line items to the devices.

To link a line item on a simple entitlement to a device, the entitlement must belong to the same soldTo and the product must use the same host type as the device. When a web register key is linked, it will be redeemed and the soldTo of the device will be assigned to the simple entitlement line item that is created.

If linking for a device fails, then the failed devices are displayed in the response data.

Parameters

Name	Type	Direction	Description
msgparameters	linkAddonLineItemsRequestType	Input	See linkAddonLineItemsRequestType.

Returns

A linkAddonLineItemsResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	See linkFailAddonDataListType.
responseData	successAddonDataListType	See successAddonDataListType.

Method: moveDevice

Description

The **moveDevice** operation moves a device from one organization to a related organization. A device that has not yet been assigned as sold-to a customer can be moved. For example, the parent organization can move the device from one of its child organizations (a regional division, for instance) to another child organization.

When a device is moved, any entitlements that belong to that device are moved as well. The result of such a move is to either create new entitlements for the receiving organization or to increment the count of that organization's exising, matching entitlements by the count on the device that was moved.

Parameters

Name	Type	Direction	Description
msgparameters	moveDeviceRequestType	Input	See moveDeviceRequestType.

Returns

A moveDeviceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedMoveDeviceListDataType	See failedMoveDeviceListDataType.

Method: obsoleteHost

Description

The **obsoleteHost** operation returns all licenses and sets the status of host to "OBSOLETE". Host id is appended with the timestamp and word "OBSOLETE".

Parameters

Name	Type	Direction	Description
msgparameters	obsoleteHostRequestListType	Input	See obsoleteHostRequestListType.

Returns

A obsoleteHostResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedObsoleteHostListDataType	See failedObsoleteHostListDataType.

Method: returnHost

Description

The **returnHost** operation returns all licenses and sets the status of host to "RETURNED". If a target host is supplied, licenses are transferred to the target host.

Parameters

Name	Type	Direction	Description
msgparameters	returnHostRequestListType	Input	See returnHostRequestListType.

Returns

A returnHostResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedReturnHostListDataType	See failedReturnHostListDataType.

Method: updateDevice

Description

The **updateDevice** operation updates one or more hardware devices.

Parameters

Name	Type	Direction	Description
msgparameters	updateDevRequestType	Input	See updateDevRequestType.

Returns

A updateDeviceResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	OpsEmbeddedStatusInfoType	See OpsEmbeddedStatusInfoType.
failedData	failedUpdateDevDataListType	See failedUpdateDevDataListType.
responseData	updatedDeviceDataListType	See updatedDeviceDataListType.

Complex Types: ManageDeviceService

Complex Types

Name
addonLineItemDataDataType
attributeDescriptorDataType
attributeDescriptorType
capabilityRequestType
capabilityResponseDataType
channelPartnerDataListType
channelPartnerDataType
cloneSuspect
createdDeviceDataListType
createDeviceIdentifier
createDevRequestType
createDevResponseType
customAttributeDescriptorDataType
customAttributeDescriptorType
customAttributeQueryType
customAttributesQueryListType
DateQueryType
DateTimeQueryType
deleteAddonLineItemDataType
deleteAddonLineItemsRequestType
deleteAddonLineItemsResponseType
deleteDeviceRequestType
deleteDeviceResponseType
deleteFailAddonDataListType
deleteFailAddonDataType
deleteLineItemDataType
deleteLineItemIdentifier
deviceDataType
deviceIdentifier
DeviceMachineTypeQueryType
deviceQueryDataType
DeviceServedStateQueryType
DeviceStateQueryType
deviceTypeList

Complex Types

Name
dictionaryEntry
dictionaryType
DurationType
entitledProductDataListType
entitledProductDataType
failedCapabilityResponseDataType
failedCreateDevDataListType
failedCreateDeviceDataType
failedDeleteDevDataListType
failedDeleteDevDataType
failedGenerateCapabilityResponseDataType
failedGeneratePrebuiltLicenseDataListType
failedGeneratePrebuiltLicenseDataType
failedGetDevicesDataType
failedMoveDeviceDataType
failedMoveDeviceListDataType
failedObsoleteHostDataType
failedObsoleteHostListDataType
failedReturnHostDataType
failedReturnHostListDataType
failedUpdateDevDataListType
failedUpdateDeviceDataType
featureDataDataType
featureIds
generateCapabilityResponseDataType
generateCapabilityResponseDictionary
generateCapabilityResponseDictionaryEntry
generateCapabilityResponseRequestType
generateCapabilityResponseResponseType
generateCloneDetectionReportRequest
generateCloneDetectionReportResponse
generatePrebuiltLicenseDataListType
generatePrebuiltLicenseDataType
generatePrebuiltLicenseRequestType
generatePrebuiltLicenseResponseType

Complex Types

Name
getAutoProvisionedServerRequest
getAutoProvisionedServerResponse
getDeviceCountResponseDataType
getDeviceCountResponseType
getDevicesCountRequestType
getDevicesParametersType
getDevicesRequestType
getDevicesResponseDataType
getDevicesResponseType
hostTypeIdentifier
licenseModelIdentifierType
linkAddonLineItemDataType
linkAddonLineItemsRequestType
linkAddonLineItemsResponseType
linkFailAddonDataListType
linkFailAddonDataType
linkLineItemDataType
linkLineItemIdentifier
moveDeviceList
moveDeviceRequestType
moveDeviceResponseType
NumberQueryType
obsoleteHostRequestListType
obsoleteHostResponseType
obsoleteHostType
OpsEmbeddedStatusInfoType
organizationIdentifierType
organizationPKType
PartnerTierQueryType
productIdentifierType
productPKType
publisherIdentifier
returnHostRequestListType
returnHostResponseType
returnHostType

Complex Types

Name
ServerIdsType
soldToType
successAddonDataListType
updateChannelPartnerDataListType
updatedDeviceDataListType
updateDevDataType
updateDevRequestType
updateDevResponseType
userIdentifierType
userPKType

Complex Type: addonLineItemDataDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database ID of the line item.
activationId	string	0..1	Activation ID.
enabledCount	integer	0..1	The number enabled.
consumedCount	integer	0..1	The number consumed.

Content Model

Component	Type	Occurs	Description
licenseState	licenseStateType	0..1	State of the license, where the value is one of the following: • UNDEFINED • LICENSE_NOT_GENERATED • LICENSE_GENERATED • MARKED_FOR_REMOVAL • REMOVED_FROM_LICENSE • REMOVAL_PENDING_CONFIRMATION • COPIES_INCREASING • COPIES_DECREASING • WAITING_FOR_CONFIRMATION • EXPIRED • OBSOLETE • INACTIVE
entitledProducts	entitledProductDataListType	0..1	See entitledProductDataListType.

Complex Type: attributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	attributeDescriptorType	0..*	**attribute** contains a required string **attributeName** and one attributeDescriptorType.

Complex Type: attributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	Name of the attribute.
CHOICE		1..1	
arrayValue	string	0..*	Array of string values of the attribute.
booleanValue	boolean	0..1	Boolean value of the attribute.
dateValue	date	0..1	Date value of the attribute.
integerValue	integer	0..1	Integer value of the attribute.
stringValue	string	0..1	String value of the attribute.

Complex Type: capabilityRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
lastUpdateTime	long	0..1	Optional. The date the device was last updated in seconds since midnight, 1 January 1970 GMT. If this date is not specified, the time used will be the logical beginning of time and removal of licenses cannot be confirmed in the usual way. **Note:** This parameter not supported as of 2016 R1 .
force	boolean	0..1	Optional. If true, the generateCapabilityResponse generates a response even if the lastUpdateTime indicates that no response is needed. Default: false.
vendorDictionary	generateCapabilityResponseDictionary	0..1	Optional. See generateCapabilityResponseDictionary. **Note:** This parameter not supported as of 2016 R1.

Content Model

Component	Type	Occurs	Description
lineItem	linkLineItemDataType	0..*	Optional. The activation IDs and their counts to map to the device. If activation ID is already linked to the device, its copies are set to the count value in this request. See linkLineItemDataType.
bufferLicense	boolean	0..1	Optional. If true, generate a buffer response. **Note:** This parameter not supported as of 2016 R1.

Complex Type: capabilityResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
addonLicense	base64Binary	1..1	The license as a base-64 encoded, binary capability response.
bufferLicense	boolean	0..1	True if the license is a buffer license, otherwise false.

Complex Type: channelPartnerDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
channelPartner	channelPartnerDataType	0..*	See channelPartnerDataType.

Complex Type: channelPartnerDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
tierName	string	1..1	Tier of the channel partner, specified in the OPS_PARTNER_TIER_NAME table. By default, this table includes the tier names for the End Customer and Distributor tiers. Custom tier names can be added to the table manually. In the web services, the tierName string must always be specified as the constant value, not the display value. So for example, End Customer has to be specified as bo.constants.partnertiernames.endcustomer and Distributor as bo.constants.partnertiernames.tier1.
organizationUnit	organizationIdentifierType	1..1	See organizationIdentifierType.
contact	userIdentifierType	0..1	See userIdentifierType.
currentOwner	boolean	0..1	True if the organization specified in organizationUnit is the current owner of the device.

Complex Type: cloneSuspect

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
timeStamp	dateTime	0..1	The datetime back office detect/log the clone suspect.
hostClass	WSDeviceType	0..1	Device type: • CLIENT • SERVER • SERVED_CLIENT

Content Model

Component	Type	Occurs	Description
hostAlias	string	0..1	Alias field of the host.
deviceId	string	0..1	Host identifier if the host is a CLIENT or SERVED_CLIENT.
serverId	string	0..1	Host identifier if the host is a server or the server host identifier if the host is a served client by that server.
lineItemActivationIds	anyType (restriction)	1..1	List of the activation details, including the activation ID and count request (for client and server).
lineItemActivationId	string	1..*	
featureIds	featureIds	1..*	List of features including feature ID and count for served client. **Note:** This attribute is currently disabled.
orgId	string	0..1	Account/Organization owner ID.
orgName	string	0..1	Account/Organization owner name.
enterpriseId	string	0..1	System account ID.

Complex Type: createdDeviceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..*	See deviceIdentifier.

Complex Type: createDeviceIdentifier

Description

Either a deviceId or serverId is specified, depending on the deviceType. Each ID must be unique across the set of all device and server IDs.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceType	WSDeviceType	1..1	CLIENT or SERVER.
deviceId	string	0..1	Client device identifier, if this is a client device.
serverIds	ServerIdsType	0..1	Server device identifier, if this is a server device. See ServerIdsType.
deviceIdType	deviceIdTypeType	0..1	Device ID type. The value for **deviceIdType** can be: • UNKNOWN • STRING • ETHERNET • FLEXID9 • FLEXID10 • EXTENDED • INTERNET • INTERNET6 • USER • TOLERANT • VM_UUID TOLERANT should only be used to create a device as the result of a capability request sent from the device itself. That is, FNO honors requests with ID type of TOLERANT, but because there is no FNO code to support it, it should never be used to create or update a device.
publisherName	string	0..1	The name of the publisher. Part of the unique ID of the device.

Complex Type: createDevRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	deviceDataType	1..*	Name of the device. See deviceDataType.

Referenced By

Name	Type
createDeviceRequest	Element
createDevice	Method

Complex Type: createDevResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedCreateDevDataListType	0..1	See failedCreateDevDataListType.
responseData	createdDeviceDataListType	0..1	See createdDeviceDataListType.

Referenced By

Name	Type
createDeviceResponse	Element

Complex Type: customAttributeDescriptorDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeDescriptorType	0..*	See customAttributeDescriptorType.

Complex Type: customAttributeDescriptorType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	The attribute name.

Complex Type: customAttributeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attributeName	string	1..1	The name of the custom attribute.
CHOICE		1..1	
booleanValue	boolean	0..1	Optional. Depending on the attribute type, set either **stringValue** or **numberValue** or **booleanValue**. Set to true or false if the custom attribute is of type boolean.

Content Model

Component	Type	Occurs	Description

dateValue	DateQueryType	0..1	Optional. A **dateValue** element contains:
			• **value**—a date value to compare to the version date value.
			• **searchType**—one of the following datedSearchType values:
			  • BEFORE
			  • AFTER
			  • ON

numberValue	NumberQueryType	0..1	Optional. Depending on the attribute type, set either stringValue or numberValue or booleanValue.
			A **numberValue** element contains:
			• **value**—an integer number to match part or all of the custom attribute value.
			• **searchType**—one of the following simpleSearchType values:
			  • GREATER_THAN
			  • GREATER_THAN_EQUALS
			  • LESS_THAN
			  • LESS_THAN_EQUALS
			  • EQUALS
			  • NOT_EQUALS

Content Model

Component	Type	Occurs	Description

stringValue	SimpleQueryType	0..1	A **stringValue** element contains:
			• **value**—a string to match part or all of the custom attribute value.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Complex Type: customAttributesQueryListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
attribute	customAttributeQueryType	0..*	See customAttributeQueryType.

Complex Type: DateQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	date	1..1	A date value to compare to the version date value.
searchType	datedSearchType	1..1	One of the following datedSearchType values: • BEFORE • AFTER • ON

Complex Type: DateTimeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	dateTime	1..1	A date and time value.
searchType	datedSearchType	1..1	One of the following dateSearchType values: • BEFORE • AFTER • ON

Complex Type: deleteAddonLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
lineItem	deleteLineItemDataType	1..*	See deleteLineItemDataType.

Complex Type: deleteAddonLineItemsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestList	deleteAddonLineItemDataType	1..*	See deleteAddonLineItemDataType.

Referenced By

Name	Type
deleteAddonLineItemsRequest	Element
deleteAddonLineItems	Method

Complex Type: deleteAddonLineItemsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.

Content Model

Component	Type	Occurs	Description
failedData	deleteFailAddonDataListType	0..1	See deleteFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
deleteAddonLineItemsResponse	Element

Complex Type: deleteDeviceRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..*	Name of the device. See deviceIdentifier.

Referenced By

Name	Type
deleteDeviceRequest	Element
deleteDevice	Method

Complex Type: deleteDeviceResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedDeleteDevDataListType	0..1	See failedDeleteDevDataListType.

Referenced By

Name	Type
deleteDeviceResponse	Element

Complex Type: deleteFailAddonDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failAddon	deleteFailAddonDataType	0..*	See deleteFailAddonDataType.

Complex Type: deleteFailAddonDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
lineItem	deleteLineItemDataType	0..1	See deleteLineItemDataType.

Content Model

Component	Type	Occurs	Description
reason	string	0..1	Reason for failure.

Complex Type: deleteLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	deleteLineItemIdentifier	1..1	See deleteLineItemIdentifier.

Complex Type: deleteLineItemIdentifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	0..1	Activation ID.

Complex Type: deviceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	createDeviceIdentifier	1..1	See createDeviceIdentifier.
hostTypeName	hostTypeIdentifier	0..1	Optional. If hostTypeName is not specified, you must implement the com.flexnet.opsembedded.publicapi. DeviceHandler.decodeDeviceId() callout to set it. See hostTypeIdentifier.
publisherIdName	publisherIdentifier	0..1	Optional. If **publisherIdName** is not specified, you must either implement the DeviceHandler.decodeDeviceId() callout to set it, or the host type must have a default publisher identity defined. See publisherIdentifier.
description	string	0..1	Description of the device.
channelPartners	channelPartnerDataListType	0..1	See channelPartnerDataListType. **Note:** This parameter not supported as of 2016 R1. Only *end-customer* is processed in **tierName**.
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType. **Note:** This parameter not supported as of 2016 R1.
alias	string	0..1	Optional. The device alias of a client device or server device.
user	string	0..1	Device User associated with the device. Leave empty to remove the Device User associated with the device.
deployment	deployment	0..1	Deployment location: CLOUD or LOCAL.
siteName	string	0..1	Name of site.

Complex Type: deviceIdentifier

Description

Note: *When used as an input element for update and other operations, either* ***uniqueId*** *or* ***deviceId/serverIds*** *should be specified—not both.*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceType	WSDeviceType	1..1	CLIENT, SERVER or SERVED_CLIENT.

Content Model

Component	Type	Occurs	Description
uniqueId	string	0..1	Unique database identifier of the device.
deviceId	string	0..1	Client device identifier, if the device is a client device.
serverIds	ServerIdsType	0..1	Server device identifier, if the device is a server device. See ServerIdsType.
deviceIdType	deviceIdTypeType	0..1	Device ID type. The value for deviceIdType can be: • UNKNOWN • STRING • ETHERNET • FLEXID9 • FLEXID10 • EXTENDED • INTERNET • INTERNET6 • USER • TOLERANT • VM_UUID TOLERANT should only be used to create a device as the result of a capability request sent from the device itself. That is, FNO honors requests with ID type of TOLERANT, but because there is no FNO code to support it, it should never be used to create or update a device.
publisherName	string	0..1	The name of the publisher. Part of the unique ID of the device.

Complex Type: DeviceMachineTypeQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	machineTypeType	1..1	The value is a string to match part or all of the machineType: • UNKNOWN • PHYSICAL • VIRTUAL
searchType	enumSearchType	1..1	One of the following enumSearchType values: • EQUALS • NOT_EQUALS

Complex Type: deviceQueryDataType

Description

Note: *Some elements apply only to served client devices while others apply only to server devices and client devices. Elements that start with feature are specific to served clients. Elements that start with addOn or preBuilt are specifc to server devices and client devices.*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
alias	string	0..1	An alias for the device ID.
description	string	0..1	Device description.
hostTypeName	hostTypeIdentifier	0..1	See hostTypeIdentifier.
deviceStatus	deviceStatusType	0..1	ACTIVE or OBSOLETE.
deviceServedStatus	deviceServedStatusType	0..1	The status of a served client device. The deviceServedStatus can be NORMAL, RETURNED, EXPIRED, or DROPPED. See deviceServedStatusType.

Content Model

Component	Type	Occurs	Description
channelPartners	channelPartnerDataListType	0..1	See channelPartnerDataListType. **Note:** This parameter not supported as of 2016 R1. Only *end-customer* is processed in **tierName**.
soldTo	soldToType	0..1	See soldToType.
preBuiltProduct	productPKType	0..1	Database primary key of the product—strings containing the **name** and **version** of the product.
hasPrebuiltLicense	boolean	0..1	Does the device have a prebuilt license?
prebuiltLicense	base64Binary	0..1	Actual prebuilt license.
hasAddonLicense	boolean	0..1	Does the device have a license?
addonLicense	base64Binary	0..1	Actual license.
publisherIdName	publisherIdentifier	0..1	See publisherIdentifier.
addonLineItemData	addonLineItemDataDataType	0..*	See addonLineItemDataDataType.
featureData	featureDataDataType	0..*	See featureDataDataType.
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
parentIdentifier	deviceIdentifier	0..1	The **parentIdentifier** element corresponds to the Served By value for a served client in the admin console UI; it identifies the served client's parent FlexNet Embedded server device. See deviceIdentifier.
machineType	machineTypeType	0..1	The **machineType** can be UNKNOWN, PHYSICAL, or VIRTUAL.
vmName	string	0..1	The name of the virtual machine on which the device is hosted. If the machineType is not VIRTUAL, **vmName** is NULL.
vmInfo	dictionaryType	0..1	A BLOB of VM properties. See dictionaryType.
vendorDictionary	dictionaryType	0..1	A BLOB of vendor properties. See dictionaryType.

Content Model

Component	Type	Occurs	Description
deviceUser	string	0..1	This field is supported only for the tenants who have configured their Device User Option to **On**. The **deviceUser** string is returned only if the request's **deviceResponseConfig** contains **deviceUser** field, set to true. • If the Device User Option is set to **Off**, and the request's **deviceResponseConfig** has **deviceUser** field is **true**, the service will ignore it, and the response will state that the **deviceUser** response configuration is not supported. • If the Device User Option is set to **On with no validation**, the response will contain **deviceUser** field, set to the string value of the Device User. • If the Device User Option is set to **On with validation** and the **deviceUser** response configuration is set to **true**, the response will not populate the **deviceUser** for existing users, populating instead **deviceUserIdentifier** element with user's info. In cases when the user have been deleted, the deviceUser string will be set to**<*User System ID*> (Removed).**
deviceUserIdentifier	userIdentifierType	0..1	See userIdentifierType. This field is returned when a tenant's **Device User Option** is set to **On with validation** and the response configuration's **deviceUser** is set to **true**. The response will contain the following information: • first name • last name • email address • user name • phone number

Complex Type: DeviceServedStateQueryType

Description

Note: This parameter not supported as of 2016 R1.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	deviceServedStatusType	1..1	This element can be set to: • NORMAL • RETURNED • EXPIRED • DROPPED
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Complex Type: DeviceStateQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
value	deviceStatusType	1..1	This element can be set to: • ACTIVE • OBSOLETE • RETURNED
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Complex Type: deviceTypeList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceType	WSDeviceType	1..*	CLIENT, SERVER or SERVED_CLIENT.

Complex Type: dictionaryEntry

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	The name of the entry.
stringValue	string	0..1	The value for the named entry when the value is a string.
numberValue	integer	0..1	The value for the named entry when the value is a number.

Complex Type: dictionaryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entry	dictionaryEntry	1..*	An array of dictionaryEntry elements. See dictionaryEntry.

Complex Type: DurationType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
numDuration	integer	1..1	Required. Specify the number of units of time, for example, 10, for a duration of 10 **durationUnit**.

Content Model

Component	Type	Occurs	Description
durationUnit	DurationUnit	1..1	Required. Specify one of the following units of time: • DAYS • WEEKS • MONTHS • YEARS

Complex Type: entitledProductDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entitledProduct	entitledProductDataType	0..*	See entitledProductDataType.

Complex Type: entitledProductDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
product	productIdentifierType	0..1	See productIdentifierType.
quantity	integer	1..1	Quantity per copy of the line item. This is a multiplier to the number of copies. If one copy of the line item is fulfilled, this many copies of the entitled product will be fulfilled.

Complex Type: failedCapabilityResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for failure.

Complex Type: failedCreateDevDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedDevice	failedCreateDeviceDataType	0..*	See failedCreateDeviceDataType.

Complex Type: failedCreateDeviceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	deviceDataType	0..1	See deviceDataType.
reason	string	0..1	Reason for failure.

Complex Type: failedDeleteDevDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedDevice	failedDeleteDevDataType	0..*	See failedDeleteDevDataType.

Complex Type: failedDeleteDevDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for failure.

Complex Type: failedGenerateCapabilityResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
failedDevice	failedCapabilityResponseDataType	0..*	See failedCapabilityResponseDataType.

Complex Type: failedGeneratePrebuiltLicenseDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedDevice	failedGeneratePrebuiltLicenseDataType	0..*	See failedGeneratePrebuiltLicenseDataType.

Complex Type: failedGeneratePrebuiltLicenseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for failure.

Complex Type: failedGetDevicesDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
reason	string	0..1	Reason for failure.

Complex Type: failedMoveDeviceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for failure.

Complex Type: failedMoveDeviceListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedDevice	failedMoveDeviceDataType	0..*	See failedMoveDeviceDataType.

Complex Type: failedObsoleteHostDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for the failure.

Complex Type: failedObsoleteHostListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedHost	failedObsoleteHostDataType	0..*	See failedObsoleteHostDataType.

Complex Type: failedReturnHostDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
reason	string	0..1	Reason for failure.

Complex Type: failedReturnHostListDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedHost	failedReturnHostDataType	0..*	See failedReturnHostDataType.

Complex Type: failedUpdateDevDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failedDevice	failedUpdateDeviceDataType	0..*	See failedUpdateDeviceDataType.

Complex Type: failedUpdateDeviceDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	updateDevDataType	0..1	See updateDevDataType.
reason	string	0..1	Reason for failure.

Complex Type: featureDataDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	0..1	Feature name.
version	string	0..1	Feature version.
count	integer	0..1	Feature count. This is the count that a served client last used when it checked out the feature, as of the last FNE server sync with FlexNet Operations.
overage	integer	0..1	Feature overage. Overage is the count of the feature on a served client device that the server considers as overage, as of the last sync. An overage occurs when the number of copies of a license allocated to an FNE server is reduced to the point that some client devices have a count of that feature that exceeds what the server is entitled to serve. This condition persists until the next time the client renews its checkout of the checkout expires.
expiration	dateTime	0..1	Feature expiration date.
lineItemUniqueId	string	0..1	Unique database ID of the feature line item.
lineItemActivationId	string	0..1	ActivationID of the feature line item.

Complex Type: featureIds

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
featureId	string	1..1	
featureName	string	1..1	
count	int	1..1	

Complex Type: generateCapabilityResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	capabilityResponseDataType	0..*	See capabilityResponseDataType.

Complex Type: generateCapabilityResponseDictionary

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
entry	generateCapabilityResponseDictionaryEntry	1..*	See generateCapabilityResponseDictionaryEntry

Complex Type: generateCapabilityResponseDictionaryEntry

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	A name for a vendor dictionary attribute.
stringValue	string	0..1	Optional. A string value for the key in name.
numberValue	integer	0..1	Optional. An integer value for the key in name.

Complex Type: generateCapabilityResponseRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	capabilityRequestType	0..*	See capabilityRequestType. Specify a device to generate a capability response based on web service parameters. If no device is specified, you must specify a capability request.
request	base64Binary	0..*	A base-64 encoded, binary capability request. Specify a request to generate a capability response based on a capability request. If no request is specified, the generateCapabilityResponse operation requires that you specify a device and provide sufficient data via capabilityRequestType elements to generate the response.

Referenced By

Name	Type
generateCapabilityResponseRequest	Element
generateCapabilityResponse	Method

Complex Type: generateCapabilityResponseResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.

Content Model

Component	Type	Occurs	Description
failedData	failedGenerateCapabilityResponseDataType	0..1	See failedGenerateCapabilityResponseDataType.
responseData	generateCapabilityResponseDataType	0..1	See generateCapabilityResponseDataType.

Referenced By

Name	Type
generateCapabilityResponseResponse	Element

Complex Type: generateCloneDetectionReportRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
enterpriseIds	anyType (restriction)	0..1	System account ID.
enterpriseId	string	1..*	
startDate	dateTime	1..1	The start date of the date range (Event time should >=startDate).
endDate	dateTime	1..1	The end date of the date range (Event time should <=endDate).
pageNumber	integer	0..1	Required. Starts at 1. Say the **generateCloneDetectionReport** operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set pageNumber to 2.
batchSize	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
generateCloneDetectionReportRequest	Element
generateCloneDetectionReport	Method

Complex Type: generateCloneDetectionReportResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
cloneSuspects	anyType (restriction)	1..1	See cloneSuspect.
cloneSuspect	cloneSuspect	1..*	

Referenced By

Name	Type
generateCloneDetectionReportResponse	Element

Complex Type: generatePrebuiltLicenseDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..*	See deviceIdentifier.

Complex Type: generatePrebuiltLicenseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
product	productIdentifierType	0..1	See productIdentifierType. **Note:** This parameter not supported as of 2016 R1.
licenseModel	licenseModelIdentifierType	0..1	See licenseModelIdentifierType. **Note:** This parameter not supported as of 2016 R1.
licenseModelAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType. **Note:** This parameter not supported as of 2016 R1.
startDate	date	0..1	Start date of the prebuilt license. **Note:** This parameter not supported as of 2016 R1.
isPermanent	boolean	0..1	Is license permanent? **Note:** This parameter not supported as of 2016 R1.
term	DurationType	0..1	See Duration of an expiring license. See DurationType.
expirationDate	date	0..1	License expiration date.

Complex Type: generatePrebuiltLicenseRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestDataList	generatePrebuiltLicenseDataType	1..*	See generatePrebuiltLicenseDataType.

Referenced By

Name	Type
generatePrebuiltLicenseRequest	Element
generatePrebuiltLicense	Method

Complex Type: generatePrebuiltLicenseResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGeneratePrebuiltLicenseDataListType	0..1	See failedGeneratePrebuiltLicenseDataListType.
responseData	generatePrebuiltLicenseDataListType	0..1	See generatePrebuiltLicenseListType.

Referenced By

Name	Type
generatePrebuiltLicenseResponse	Element

Complex Type: getAutoProvisionedServerRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgName	string	1..1	The organization/enterprise for which we intend to retrieve the Cloud License Server (also referred to as autoprovisioned server).

Referenced By

Name	Type
getAutoProvisionedServerRequest	Element
getAutoProvisionedServer	Method

Complex Type: getAutoProvisionedServerResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
cloudLicenseServer	deviceIdentifier	0..1	See deviceIdentifier.

Referenced By

Name	Type
getAutoProvisionedServerResponse	Element

Complex Type: getDeviceCountResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
count	integer	0..1	Number of devices matching criteria.

Complex Type: getDeviceCountResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	0..1	See failedGetDevicesDataType.
responseData	getDeviceCountResponseDataType	0..1	See getDeviceCountResponseDataType.

Referenced By

Name	Type
getDeviceCountResponse	Element

Complex Type: getDevicesCountRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	getDevicesParametersType	0..1	See getDevicesParametersType.

Referenced By

Name	Type
getDeviceCountRequest	Element
getDeviceCount	Method

Complex Type: getDevicesParametersType

Description

Note: *Some elements apply only to served client devices while others apply only to server devices and client devices.*

Description

Elements that start with feature are specific to served clients. Elements that start with addOn or preBuilt are specifc to server devices and client devices.

*Query results can be restricted to one or more device types listed in the **deviceTypes** element. If **deviceTypes** is not defined, the query results depend upon whether or not **isServer** is set and, if so, what that setting is. If **isServer** is set to true, the query results include only server devices. If **isServer** is set to false, the query results include only client devices. If neither **deviceTypes** nor **isServer** is set, query results include all three types of devices.*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
alias	SimpleQueryType	0..1	Optional. An alias for the device ID. An **alias** element contains a value and a search type. A value is a string to match part or all of the **alias**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
deviceId	SimpleQueryType	0..1	Optional. A **deviceId** element contains a value and search type. A value is a string to match part or all of the **deviceId**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Content Model

Component	Type	Occurs	Description
deviceIdType	DeviceIdTypeQueryType	0..1	Optional. A **deviceIdType** element contains a value and search type. The value is a string to match part or all of the **deviceIdType**: • UNKNOWN • STRING • ETHERNET • FLEXID9 • FLEXID10 • INTERNET • INTERNET6 • USER • TOLERANT • VM_UUID The **searchType** is one of the following enumSearchType values: • EQUALS • NOT_EQUALS
parentId	SimpleQueryType	0..1	Optional. A **parentId** corresponds to the Served By value for a served client in the admin console UI; it identifies the served client's parent FlexNet Embedded server device. A **parentId** element contains a value and a search type. A value is a string to match part or all of the **parentId**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Content Model

Component	Type	Occurs	Description
parentIdType	DeviceIdTypeQueryType	0..1	Optional. A **parentIdType** element contains a value and search type. The value is a string to match part or all of the **parentIdType**. The **searchType** is one of the following enumSearchType values: • EQUALS • NOT_EQUALS
hostTypeName	SimpleQueryType	0..1	Optional. A **hostTypeName** element contains a value and search type. A value is a string to match part or all of the **hostTypeName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
soldTo	SimpleQueryType	0..1	Optional. A **hostTypeName** element contains a value and search type. A value is a string to match part or all of the **hostTypeName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
currentOwnerName	SimpleQueryType	0..1	Optional. The End Customer or Distributor tier organization that currently owns the device. A device can belong to an organization without that organization being set as the current owner.
organizationUnitName	PartnerTierQueryType	0..1	Optional. See PartnerTierQueryType.

Content Model

Component	Type	Occurs	Description
description	SimpleQueryType	0..1	Optional. A **description** element contains a value and search type. A value is a string to match part or all of the **description**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
status	DeviceStateQueryType	0..1	Optional. The **status** of the device. See DeviceStateQueryType.
servedStatus	DeviceServedStateQueryType	0..1	Optional. The status of a served client device. See DeviceServedStateQueryType. **Note:** This parameter not supported as of 2016 R1.
preBuiltProductName	SimpleQueryType	0..1	**preBuiltProductName** element contains a value and search type. A value is a string to match part or all of the **preBuiltProductName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS **Note:** This parameter not supported as of 2016 R1.
preBuiltProductVersion	SimpleQueryType	0..1	Optional. An **preBuiltProductVersion** element contains a value and search type. A value is a string to match part or all of the **preBuiltProductVersion**, and a **searchType** is one of the following simpleSearchType values • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS **Note:** This parameter not supported as of 2016 R1.

Content Model

Component	Type	Occurs	Description
addOnActivationId	SimpleQueryType	0..1	Optional. An **addOnActivationID** element contains a value and search type. A value is a string to match part or all of the **addOnActivationID**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
addOnProductName	SimpleQueryType	0..1	Optional. An **addOnProductName** element contains a value and search type. A value is a string to match part or all of the **addOnProductName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
addOnProductVersion	SimpleQueryType	0..1	Optional. An **addOnProductVersion** element contains a value and search type. A value is a string to match part or all of the **addOnProductVersion**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Content Model

Component	Type	Occurs	Description
featureName	SimpleQueryType	0..1	Optional. A **featureName** element contains a value and search type. A value is a string to match part or all of the **featureName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS **Note:** This parameter not supported as of 2016 R1.
featureVersion	SimpleQueryType	0..1	Optional. A **featureVersion** element contains a value and search type. A value is a string to match part or all of the **featureVersion**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS **Note:** This parameter not supported as of 2016 R1.
featureCount	NumberQueryType	0..1	Optional. This is the count that a served client last used when it checked out the feature, as of the last FNE server sync with FlexNet Operations. See NumberQueryType. **Note:** This parameter not supported as of 2016 R1.
featureOverage	NumberQueryType	0..1	Optional. The **featureOverage** element is the count of the feature on a served client device that the server considers as overage, as of the last sync. An overage occurs when the number of copies of a license allocated to an FNE server is reduced to the point that some client devices have a count of that feature that exceeds what the server is entitled to serve. This condition persists until the next time the client renews its checkout of the checkout expires. See NumberQueryType.
isServer	boolean	0..1	Optional. True if the device is a FlexNet Embedded server device. (See note about isServer and deviceTypes.)
deviceTypes	deviceTypeList	0..1	Optional. The **deviceTypes** element contains one or more WSDeviceType elements. These can be CLIENT, SERVER, SERVED_CLIENT. (See note about isServer and deviceTypes.)
customAttributes	customAttributesQueryListType	0..1	Optional. See customAttributesQueryListType.

Content Model

Component	Type	Occurs	Description
machineType	DeviceMachineTypeQueryType	0..1	Optional. A **machineType** element contains a value and search type. See DeviceMachineTypeQueryType. **Note:** This parameter not supported as of 2016 R1.
vmName	SimpleQueryType	0..1	Optional. A **vmName** element contains a value and search type. A value is a string to match part or all of the **vmName**, and a **searchType** is one of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
userString	SimpleQueryType	0..1	Allows users to request devices with matching Device User. Results for this request depend on how the tenant has configured **Device User Option**. • If the **Device User Option** is set to **Off**, the **userString** field is ignored, and the response states that this criteria is not supported • If the **Device User Option** is set to **On with no validation**, the userString is matched with string value of the **Device User**. • If the **Device User Option** is set to **On with validation**, the userString is matched with the email of the **Device User**.

Complex Type: getDevicesRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
queryParams	getDevicesParametersType	0..1	See getDevicesParametersType.
deviceResponseConfig	deviceResponseConfigRequestType	0..1	Specifies the configuration settings to be included in the response. Includes the following boolean elements: • alias • description • status • servedStatus • hostTypeName • soldTo • channelPartners • preBuiltProduct • preBuiltLicense • addOnActivationId • addOnCounts • addOnProduct • addOnLicense • features • publisherIdentity • parent • machineType • vmDetails • vmInfo • vendorDictionary • deviceUser Optionally includes customAttributes. See customAttributesQueryListType.

Content Model

Component	Type	Occurs	Description
pageNumber	integer	1..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getDevicesRequest	Element
getDevicesQuery	Method

Complex Type: getDevicesResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	deviceQueryDataType	0..*	See deviceQueryDataType.

Complex Type: getDevicesResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	0..1	See failedGetDevicesDataType.
responseData	getDevicesResponseDataType	0..1	See getDevicesResponseDataType.

Referenced By

Name	Type
getDevicesResponse	Element

Complex Type: hostTypeIdentifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Host type of the device.

Complex Type: licenseModelIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the license model, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the license model.
primaryKeys	licenseModelPKType	0..1	Database primary key of the license model—a string containing the **name** of the license model.

Complex Type: linkAddonLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
lineItem	linkLineItemDataType	1..*	See linkLineItemDataType.

Complex Type: linkAddonLineItemsRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestList	linkAddonLineItemDataType	1..*	See linkAddonLineItemDataType.

Referenced By

Name	Type
decrementAddonLineItemsRequest	Element

Referenced By

Name	Type
incrementAddonLineItemsRequest	Element
linkAddonLineItemsRequest	Element
decrementAddonLineItems	Method
incrementAddonLineItems	Method
linkAddonLineItems	Method

Complex Type: linkAddonLineItemsResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	0..1	See linkFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
decrementAddonLineItemsResponse	Element
incrementAddonLineItemsResponse	Element
linkAddonLineItemsResponse	Element

Complex Type: linkFailAddonDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
failAddon	linkFailAddonDataType	0..*	See linkFailAddonDataType.

Complex Type: linkFailAddonDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..1	See deviceIdentifier.
lineItem	linkLineItemDataType	0..1	See linkLineItemDataType.
reason	string	0..1	Reason for failure.

Complex Type: linkLineItemDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
lineItemIdentifier	linkLineItemIdentifier	1..1	See linkLineItemIdentifier.

Complex Type: linkLineItemIdentifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
activationId	string	0..1	Activation ID.
count	integer	0..1	Number of copies from the line item linked.
expirationDateOverride	date	0..1	New, overriding expiration date. Affects link/increment/decrement and generateCapabilityResponse. For link/increment and generateCapabilityResponse, the expiration date is used and set at add-on line if there is no override date yet (after it is set, only the same date is accepted). After the date is set, it cannot be changed (same as on the UI). For decrement, this field is ignored and put in the warning queue. Known issue regarding expiration date: The ALM expiration date is GMT midnight, but the back office uses midnight of the FlexNet Operations server time zone. An issue will occur if the user tries to set the override date to be the same as the entitlement expiration (on ALM).

Complex Type: moveDeviceList

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..*	See deviceIdentifier.

Complex Type: moveDeviceRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sourceDevices	moveDeviceList	1..1	Devices to move. See moveDeviceList.
soldToUniqueId	string	0..1	Unique database identifier of the organization to which the device currently belongs. Specify either soldToUniqueId or soldToName, not both.
soldToName	string	0..1	The name of the organization to which the device currently belongs. Specify either soldToUniqueId or soldToName, not both.
poolEntitlements	boolean	0..1	True, if existing, matching line items at the target organization are to be pooled. False, to always create new line items at the target organization. **Note:** This parameter not supported as of 2016 R1.

Referenced By

Name	Type
moveDeviceRequest	Element
moveDevice	Method

Complex Type: moveDeviceResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedMoveDeviceListDataType	0..1	See failedMoveDeviceListDataType.

Referenced By

Name	Type
moveDeviceResponse	Element

Complex Type: NumberQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	integer	1..1	An integer number to match part or all of the custom attribute value.
searchType	numberSearchType	1..1	One of the following simpleSearchType values: • GREATER_THAN • GREATER_THAN_EQUALS • LESS_THAN • LESS_THAN_EQUALS • EQUALS, NOT_EQUALS

Complex Type: obsoleteHostRequestListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
host	obsoleteHostType	1..*	See obsoleteHostType.

Referenced By

Name	Type
obsoleteHostRequest	Element
obsoleteHost	Method

Complex Type: obsoleteHostResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedObsoleteHostListDataType	0..1	See failedObsoleteHostListDataType.

Referenced By

Name	Type
obsoleteHostResponse	Element

Complex Type: obsoleteHostType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	deviceIdentifier	1..1	See deviceIdentifier.

Complex Type: OpsEmbeddedStatusInfoType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	OpsEmbeddedStatusType	1..1	One of the following values: • SUCCESS • FAILURE • PARTIAL_FAILURE
reason	string	0..1	Reason related to the status.

Complex Type: organizationIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the organization.
primaryKeys	organizationPKType	0..1	See organizationPKType.

Complex Type: organizationPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Name of the organization.

Complex Type: PartnerTierQueryType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	string	1..1	The name of the organization.
searchType	simpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS
partnerTier	string	0..1	Optional. The name of the tier in which the organization exists or ANY. If set to a named tier, the format partnerTier is bo.constants.partnertiernames.tier_name. If not specified, the partner tier searched is the End Customer tier.

Complex Type: productIdentifierType

Description

In the request, specify *either* **uniqueId** or **primaryKeys** to uniquely specify the product, not both.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the product.
primaryKeys	productPKType	0..1	Database primary key of the product—strings containing the **name** and **version** of the product.

Complex Type: productPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	**Name**of the product. of the product.
version	string	0..1	**Version** of the product.

Complex Type: publisherIdentifier

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
name	string	1..1	Publisher identifier of the device.

Complex Type: returnHostRequestListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
returnHosts	returnHostType	1..*	See returnHostType.

Referenced By

Name	Type
returnHostRequest	Element
returnHost	Method

Complex Type: returnHostResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedReturnHostListDataType	0..1	See failedReturnHostListDataType.

Referenced By

Name	Type
returnHostResponse	Element

Complex Type: returnHostType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
hostIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
targetHostIdentifier	deviceIdentifier	0..1	See deviceIdentifier.

Complex Type: ServerIdsType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
serverId	string	1..2	One or two server identifiers. To be able to add two server identifiers, FlexNet Operations must be configured to allow redundant FlexNet Embedded servers. (Check the **Allow Adding Redundant Server** setting in **System Configuration** > **Embedded Devices**.)

Complex Type: soldToType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
displayName	string	1..1	Organization display name.
id	string	1..1	Unique database identifier of organization.
name	string	1..1	Organization name.

Complex Type: successAddonDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..*	See deviceIdentifier.

Complex Type: updateChannelPartnerDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
channelPartners	channelPartnerDataListType	0..1	See channelPartnerDataListType.

Content Model

Component	Type	Occurs	Description
opType	CollectionOperationType	1..1	Choose from one of the following: • ADD: A channel partner can be added to a tier only if that tier has not already been populated. • REPLACE: The specified updateChannelPartners set replaces the entire existing channel partner set. Individual tiers cannot be updated separately. If an organization with a specified contact is replaced by an organization without a specified contact, the contact is cleared. • DELETE: This basically clears the tiers that are specified in the request, regardless of the particular organization that is specified. The request will succeed as long as it specifies an existing organization, even if it is not the one specified in the target tier in the device. When the organization is removed, so is its contact, if specified.

Complex Type: updatedDeviceDataListType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	0..*	See deviceIdentifier.

Complex Type: updateDevDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..1	See deviceIdentifier.
deviceId	string	0..1	Device ID. Optional, if the identifier of a client device is to be changed.
serverIds	ServerIdsType	0..1	See ServerIdsType. Optional, if the identifier of a server device is to be changed.
deviceIdType	deviceIdTypeType	0..1	Device ID type. The value for deviceIdType can be : • UNKNOWN • STRING • ETHERNET • FLEXID9 • FLEXID10 • EXTENDED • INTERNET • INTERNET6 • USER • TOLERANT • VM_UUID While the deviceIdType in the deviceIdentifier can be used to identify the device being updated, the deviceIdType here in updateDevDataType can be used to change the device ID type of the device being updated. TOLERANT should only be used to create a device as the result of a capability request sent from the device itself. That is, FNO honors requests with ID type of TOLERANT, but because there is no FNO code to support it, it should never be used to create or update a device.
hostTypeName	hostTypeIdentifier	0..1	Optional. Only necessary if this value must be changed. See hostTypeIdentifier.
publisherIdName	publisherIdentifier	0..1	Optional. Only necessary if this value must be changed. See publisherIdentifier.
description	string	0..1	Device description. Optional, if to be changed.

Content Model

Component	Type	Occurs	Description
updateChannelPartners	updateChannelPartnerDataListType	0..1	See updateChannelPartnerDataListType.
customAttributes	attributeDescriptorDataType	0..1	See attributeDescriptorDataType.
alias	string	0..1	Optional. The device alias of a client device or server device.
user	string	0..1	Device User associated with the device. Leave empty to remove the Device User associated with the device.

Complex Type: updateDevRequestType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	updateDevDataType	1..*	See updateDevDataType.

Referenced By

Name	Type
updateDeviceRequest	Element
updateDevice	Method

Complex Type: updateDevResponseType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedUpdateDevDataListType	0..1	See failedUpdateDevDataListType.
responseData	updatedDeviceDataListType	0..1	See updatedDeviceDataListType.

Referenced By

Name	Type
updateDeviceResponse	Element

Complex Type: userIdentifierType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
uniqueId	string	0..1	Unique database identifier of the contact. Note that this is the contact unique identifier, not the user unique identifier.
userName	string	0..1	User's FlexNet Operations login name.
primaryKeys	userPKType	0..1	See userPKType.

Complex Type: userPKType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
firstName	string	1..1	User's first name.
lastName	string	1..1	User's last name.
emailAddress	string	1..1	User's email address.
phoneNumber	string	0..1	User's phone number. Optional.

Simple Types: ManageDeviceService

Simple Types

Name
deviceServedStatusType

Simple Type: deviceServedStatusType

Description

See deviceServedStatusType.

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
NORMAL	
RETURNED	
EXPIRED	
DROPPED	

Elements: ManageDeviceService

Elements

Name	Description
createDeviceRequest	A **createDeviceRequest** message contains an element of createDevRequestType.
createDeviceResponse	A **createDeviceResponse** message contains an element of createDevResponseType.
decrementAddonLineItemsRequest	A **decrementAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType. It decrements an existing count.
decrementAddonLineItemsResponse	A **decrementAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.
deleteAddonLineItemsRequest	A **deleteAddonLineItemsRequest** message contains an element of deleteAddonLineItemsRequestType.
deleteAddonLineItemsResponse	A **deleteAddonLineItemsResponse** message contains an element of deleteAddonLineItemsResponseType.
deleteDeviceRequest	A **deleteDeviceRequest** message contains an element of deleteDeviceRequestType.
deleteDeviceResponse	A **deleteDeviceResponse** message contains an element of deleteDeviceResponseType.
generateCapabilityResponseRequest	A **generateCapabilityResponseRequest** message contains an element of generateCapabilityResponseRequestType.
generateCapabilityResponseResponse	A **generateCapabilityResponseResponse** message contains an element of generateCapabilityResponseResponseType.
generateCloneDetectionReportRequest	A **generateCloneDetectionReportRequest** message contains an element of generateCloneDetectionReportRequest.
generateCloneDetectionReportResponse	A **generateCloneDetectionReportResponse** message contains an element of generateCloneDetectionReportResponse.
generatePrebuiltLicenseRequest	A **generatePrebuiltLicenseRequest** message contains an element of generatePrebuiltLicenseRequestType.
generatePrebuiltLicenseResponse	A **generatePrebuiltLicenseResponse** message contains an element of generatePrebuiltLicenseResponseType.
getAutoProvisionedServerRequest	A **getAutoProvisionedServerRequest** message contains an element of getAutoProvisionedServerRequest.
getAutoProvisionedServerResponse	A **getAutoProvisionedServerResponse** message contains an element of getAutoProvisionedServerResponse.
getDeviceCountRequest	A **getDeviceCountRequest** message contains an element of getDevicesCountRequestType.
getDeviceCountResponse	A **getDeviceCountResponse** message contains an element of getDeviceCountResponseType.
getDevicesRequest	A **getDevicesRequest** message contains an element of getDevicesRequestType.
getDevicesResponse	A **getDevicesResponse** message contains an element of getDevicesResponseType.
incrementAddonLineItemsRequest	A **incrementAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType. It increments an existing count.

Elements

Name	Description
incrementAddonLineItemsResponse	A **incrementAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.
linkAddonLineItemsRequest	A **linkAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType.
linkAddonLineItemsResponse	A **linkAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.
moveDeviceRequest	A **moveDeviceRequest** message contains an element of moveDeviceRequestType.
moveDeviceResponse	A **moveDeviceResponse** message contains an element of moveDeviceResponseType.
obsoleteHostRequest	An **obsoleteHostRequest** message contains an element of obsoleteHostRequestListType.
obsoleteHostResponse	An **obsoleteHostResponse** message contains an element of obsoleteHostResponseType.
returnHostRequest	A **returnHostRequest** message contains an element of returnHostRequestListType.
returnHostResponse	A **returnHostResponse** message contains an element of returnHostResponseType.
updateDeviceRequest	An **updateDevRequest** message contains an element of updateDevRequestType.
updateDeviceResponse	An **updateDevResponse** message contains an element of updateDevResponseType.

Element: createDeviceRequest

Description

A **createDeviceRequest** message contains an element of createDevRequestType.

Derived By

Type createDevRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	deviceDataType	1..*	Name of the device. See deviceDataType.

Referenced By

Name	Type
createDevice	Method

XML Example

The following XML fragment illustrates a **createDeviceRequest** message:

```
<createDeviceRequest>
    <!--1 or more repetitions:-->
    <device>
      <deviceIdentifier>
        <deviceType>?</deviceType>
        <!--Optional:-->
        <deviceId>?</deviceId>
        <!--Optional:-->
        <serverIds>
          <!--1 or more repetitions:-->
          <serverId>?</serverId>
        </serverIds>
        <deviceIdType>ETHERNET</deviceIdType>
      </deviceIdentifier>
      <hostTypeName>
        <name>?</name>
      </hostTypeName>
      <publisherIdName>
        <name>?</name>
      </publisherIdName>
      <!--Optional:-->
      <description>?</description>
      <!--Optional:-->
      <channelPartners>
        <!--Zero or more repetitions:-->
        <channelPartner>
          <tierName>?</tierName>
          <organizationUnit>
            <!--Optional:-->
            <uniqueId>?</uniqueId>
            <!--Optional:-->
            <primaryKeys>
              <name>?</name>
            </primaryKeys>
          </organizationUnit>
          <!--Optional:-->
          <contact>
            <!--Optional:-->
            <uniqueId>?</uniqueId>
            <!--Optional:-->
            <userName>?</userName>
            <!--Optional:-->
            <primaryKeys>
              <firstName>?</firstName>
              <lastName>?</lastName>
              <emailAddress>?</emailAddress>
              <!--Optional:-->
              <phoneNumber>?</phoneNumber>
            </primaryKeys>
          </contact>
        </channelPartner>
      </channelPartners>
      <!--Optional-->
      <alias>?</alias>
    </device>
  </createDeviceRequest>
```

Element: createDeviceResponse

Description

A **createDeviceResponse** message contains an element of createDevResponseType.

Derived By

Type createDevResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedCreateDevDataListType	0..1	See failedCreateDevDataListType.
responseData	createdDeviceDataListType	0..1	See createdDeviceDataListType.

Referenced By

Name	Type
createDevice	Method

XML Example

The following XML fragments illustrate **createDeviceResponse** messages:

Sample Successful Response Data:

```
<createDeviceResponse>
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <responseData>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>

          <deviceId>545454</deviceId>
        </deviceIdentifier>
      </responseData>
</createDeviceResponse>
```

Sample Failed Response Data:

```
    <createDeviceResponse>
      <statusInfo>
        <status>FAILURE</status>
      </statusInfo>
```

XML Example


```
<failedData>
  <failedDevice>
    <device>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>
        <deviceId>1111</deviceId>
        <deviceIdType>STRING</deviceIdType>
      </deviceIdentifier>
      <hostTypeName>
        <name>gizmo-1</name>
      </hostTypeName>
      <publisherIdName>
        <name>demo-trl-low</name>
      </publisherIdName>
      <description>a client device</description>
      <channelPartners>
        <channelPartner>
          <tierName>bo.constants.partnertiernames.endcustomer</tierName>
          <organizationUnit>
            <primaryKeys>
              <name>ACME</name>
            </primaryKeys>
          </organizationUnit>
          <contact>
            <primaryKeys>
              <firstName>ACME</firstName>
              <lastName>Admin</lastName>
              <emailAddress>admin@acme.co</emailAddress>
            </primaryKeys>
          </contact>
        </channelPartner>
      </channelPartners>
    </device>
    <reason>20008:Cannot create Device:  Device with host id "1111" already exists. [Incident# 8653-231]</reason>
  </failedDevice>
</failedData>
</createDeviceResponse>
```


Element: incrementAddonLineItemsRequest

Description

A **decrementAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType. It decrements an existing count.

Derived By

Type linkAddonLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
requestList	linkAddonLineItemDataType	1..*	See linkAddonLineItemDataType.

Referenced By

Name	Type
decrementAddonLineItems	Method

XML Example

The following XML fragment illustrates a **decrementAddonLineItemsRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ops="urn:com.macrovision:flexnet/opsembedded">
  <soapenv:Header/>
  <soapenv:Body>
    <ops:decrementAddonLineItemsRequest>
      <ops:requestList>
        <ops:deviceIdentifier>
          <ops:deviceType>CLIENT</ops:deviceType>
          <ops:deviceId>6565</ops:deviceId>
          <ops:deviceIdType>STRING</ops:deviceIdType>
          <ops:publisherName>demo</ops:publisherName>
        </ops:deviceIdentifier>
        <ops:lineItem>
          <ops:lineItemIdentifier>
            <ops:activationId>Online_Reg_ACT58_A</ops:activationId>
            <ops:count>10</ops:count>
          </ops:lineItemIdentifier>
        </ops:lineItem>
      </ops:requestList>
    </ops:decrementAddonLineItemsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: decrementAddonLineItemsResponse

Description

A **decrementAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.

Derived By

Type linkAddonLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	0..1	See linkFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
decrementAddonLineItems	Method

XML Example

The following XML fragment illustrates a **decrementAddonLineItemsResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <decrementAddonLineItemsResponse xmlns="urn:com.macrovision:flexnet/opsembedded">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <responseData>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>6565</deviceId>
          <deviceIdType>STRING</deviceIdType>
          <publisherName>demo</publisherName>
        </deviceIdentifier>
      </responseData>
    </decrementAddonLineItemsResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: deleteAddonLineItemsRequest

Description

A **deleteAddonLineItemsRequest** message contains an element of deleteAddonLineItemsRequestType.

Derived By

Type deleteAddonLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestList	deleteAddonLineItemDataType	1..*	See deleteAddonLineItemDataType.

Referenced By

Name	Type
deleteAddonLineItems	Method

XML Example

The following XML fragment illustrates a **deleteAddonLineItemsRequest** message:

```
<deleteAddonLineItemsRequest>
      <!--1 or more repetitions:-->
      <requestList>
        <deviceIdentifier>
          <deviceType>?</deviceType>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <deviceId>?</deviceId>
          <!--Optional:-->
          <serverIds>
            <!--1 or more repetitions:-->
            <serverId>?</serverId>
          </serverIds>
        </deviceIdentifier>
        <!--1 or more repetitions:-->
        <lineItem>
          <lineItemIdentifier>
            <!--Optional:-->
            <activationId>?</activationId>
          </lineItemIdentifier>
        </lineItem>
      </requestList>
    </deleteAddonLineItemsRequest>
```

Element: deleteAddonLineItemsResponse

Description

A **deleteAddonLineItemsResponse** message contains an element of deleteAddonLineItemsResponseType.

Derived By

Type deleteAddonLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	deleteFailAddonDataListType	0..1	See deleteFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
deleteAddonLineItems	Method

XML Example

The following XML fragments illustrate **deleteAddonLineItemsResponse** messages:

Sample Successful Response Data:

```
<deleteAddonLineItemsResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>

        <deviceId>1111</deviceId>
      </deviceIdentifier>
    </responseData>
</deleteAddonLineItemsResponse>
```

Sample Failed Response Data:

```
<deleteAddonLineItemsResponse>
    <statusInfo>
      <status>FAILURE</status>
    </statusInfo>
    <failedData>
      <failAddon>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>

        </deviceIdentifier>
        <lineItem>
          <lineItemIdentifier>
            <activationId>se-cp-1</activationId>
          </lineItemIdentifier>
        </lineItem>
        <reason>9999:Add-on to remove "se-cp-1" is not currently linked.</reason>
      </failAddon>
    </failedData>
  </deleteAddonLineItemsResponse>
```

Element: deleteDeviceRequest

Description

A **deleteDeviceRequest** message contains an element of deleteDeviceRequestType.

Derived By

Type deleteDeviceRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
deviceIdentifier	deviceIdentifier	1..*	Name of the device. See deviceIdentifier.

Referenced By

Name	Type
deleteDevice	Method

XML Example

The following XML fragment illustrates a **deleteDeviceRequest** message:

```
<deleteDeviceRequest>
    <!--1 or more repetitions:-->
    <deviceIdentifier>
      <deviceType>?</deviceType>
      <!--Optional:-->
      <uniqueId>?</uniqueId>
      <!--Optional:-->
      <deviceId>?</deviceId>
      <!--Optional:-->
      <serverIds>
        <!--1 or more repetitions:-->
        <serverId>?</serverId>
      </serverIds>
    </deviceIdentifier>
  </deleteDeviceRequest>
```

Element: deleteDeviceResponse

Description

A **deleteDeviceResponse** message contains an element of deleteDeviceResponseType.

Derived By

Type deleteDeviceResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedDeleteDevDataListType	0..1	See failedDeleteDevDataListType.

Referenced By

Name	Type
deleteDevice	Method

XML Example

The following XML fragments illustrate **deleteDeviceResponse** messages:

Sample Successful Response Data:

```
<deleteDeviceResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</deleteDeviceResponse>
```

Sample Failed Response Data:

```
<deleteDeviceResponse>
  <statusInfo>
    <status>FAILURE</status>
  </statusInfo>
  <failedData>
    <failedDevice>
      <deviceIdentifier>
        <deviceType>SERVER</deviceType>
        <serverIds>
          <serverId>xxxx</serverId>
          <serverId>yyyy</serverId>
        </serverIds>
      </deviceIdentifier>
      <reason>20064:An active device cannot be deleted.</reason>
    </failedDevice>
  </failedData>
</deleteDeviceResponse>
```

Element: generateCapabilityResponseRequest

Description

A **generateCapabilityResponseRequest** message contains an element of generateCapabilityResponseRequestType.

Derived By

Type generateCapabilityResponseRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	capabilityRequestType	0..*	See capabilityRequestType. Specify a device to generate a capability response based on web service parameters. If no device is specified, you must specify a capability request.
request	base64Binary	0..*	A base-64 encoded, binary capability request. Specify a request to generate a capability response based on a capability request. If no request is specified, the generateCapabilityResponse operation requires that you specify a device and provide sufficient data via capabilityRequestType elements to generate the response.

Referenced By

Name	Type
generateCapabilityResponse	Method

The following XML fragment illustrates a **generateCapabilityResponseRequest** message.

```
<ops:generateCapabilityResponseRequest>
    <!--Zero or more repetitions:-->
    <ops:device>
      <ops:deviceIdentifier>
        <ops:deviceType>?</ops:deviceType>
        <!--Optional:-->
        <ops:uniqueId>?</ops:uniqueId>
        <!--Optional:-->
        <ops:deviceId>?</ops:deviceId>
        <!--Optional:-->
        <ops:serverIds>
          <!--1 or more repetitions:-->
          <ops:serverId>?</ops:serverId>
        </ops:serverIds>
        <!--Optional:-->
        <ops:deviceIdType>?</ops:deviceIdType>
      </ops:deviceIdentifier>
      <!--Optional:-->
      <ops:lastUpdateTime>?</ops:lastUpdateTime>
      <!--Optional:-->
      <ops:force>?</ops:force>
      <!--Optional:-->
      <ops:vendorDictionary>
        <!--1 or more repetitions:-->
```

```
        <ops:entry>
          <ops:name>?</ops:name>
          <!--Optional:-->
          <ops:stringValue>?</ops:stringValue>
          <!--Optional:-->
          <ops:numberValue>?</ops:numberValue>
        </ops:entry>
      </ops:vendorDictionary>
      <!--Zero or more repetitions:-->
      <ops:lineItem>
        <ops:lineItemIdentifier>
          <!--Optional:-->
          <ops:activationId>?</ops:activationId>
          <!--Optional:-->
          <ops:count>?</ops:count>
        </ops:lineItemIdentifier>
      </ops:lineItem>
      <!--Optional:-->
      <ops:bufferLicense>?</ops:bufferLicense>
    </ops:device>
  </ops:generateCapabilityResponseRequest>
```

Element: generateCapabilityResponseResponse

Description

A **generateCapabilityResponseResponse** message contains an element of generateCapabilityResponseResponseType.

Derived By

Type generateCapabilityResponseResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGenerateCapabilityResponseDataType	0..1	See failedGenerateCapabilityResponseDataType.
responseData	generateCapabilityResponseDataType	0..1	See generateCapabilityResponseDataType.

Referenced By

Name	Type
generateCapabilityResponse	Method

XML Example

The following XML fragments illustrate **generateCapabilityResponseResponse** messages:

Sample Successful Capability Response Data:

```
<generateCapabilityResponseResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <device>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>

          <deviceId>555555</deviceId>
        </deviceIdentifier>
        <addonLicense>?</addonLicense>
      </device>
    </responseData>
</generateCapabilityResponseResponse>
```

Sample Successful Buffer Response Data:

```
<generateCapabilityResponseResponse xmlns="urn:com.macrovision:flexnet/opsembedded">
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <device>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>

          <deviceId>bufDev</deviceId>
          <deviceIdType>STRING</deviceIdType>
        </deviceIdentifier>
        <addonLicense>?</addonLicense>
        <bufferLicense>true</bufferLicense>
      </device>
    </responseData>
  </generateCapabilityResponseResponse>
```

Sample Failed Response Data:

```
<generateCapabilityResponseResponse>
    <statusInfo>
      <status>FAILURE</status>
    </statusInfo>
    <failedData>
      <failedDevice>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>555555</deviceId>
        </deviceIdentifier>
        <reason>20022:Device Identifier is invalid.</reason>
      </failedDevice>
    </failedData>
</generateCapabilityResponseResponse>
```

Element: generateCloneDetectionReportRequest

Description

A **generateCloneDetectionReportRequest** message contains an element of generateCloneDetectionReportRequest.

Derived By

Type generateCloneDetectionReportRequest

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
enterpriseIds	anyType (restriction)	0..1	System account ID.
enterpriseId	string	1..*	
startDate	dateTime	1..1	The start date of the date range (Event time should >=startDate).
endDate	dateTime	1..1	The end date of the date range (Event time should <=endDate).
pageNumber	integer	0..1	Required. Starts at 1. Say the **generateCloneDetectionReport** operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set pageNumber to 2.
batchSize	integer	0..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
generateCloneDetectionReport	Method

XML Example

The following XML fragment illustrates a **generateCloneDetectionReportRequest** message:

```
<soapenv:Envelope xmlns:soapenv=http://schemas.xmlsoap.org/soap/envelope/
  xmlns:urn="urn:v1.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:generateCloneDetectionReportRequest>
      <urn:enterpriseIds>
        <urn:enterpriseId>4</urn:enterpriseId>
      </urn:enterpriseIds>
      <urn:startDate>2016-11-01T20:14:07</urn:startDate>
      <urn:endDate>2016-11-06T20:45:04+05:30</urn:endDate>
      <urn:pageNumber>1</urn:pageNumber>
      <urn:batchSize>100</urn:batchSize>
    </urn:generateCloneDetectionReportRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: generateCloneDetectionReportResponse

Description

A **generateCloneDetectionReportResponse** message contains an element of generateCloneDetectionReportResponse.

Derived By

Type generateCloneDetectionReportResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
cloneSuspects	anyType (restriction)	1..1	See cloneSuspect.
cloneSuspect	cloneSuspect	1..*	

Referenced By

Name	Type
generateCloneDetectionReport	Method

XML Example

The following XML fragment illustrates a **generateCloneDetectionReportResponse** message:


```
<soapenv:Envelope xmlns:soapenv=http://schemas.xmlsoap.org/soap/envelope/
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <generateCloneDetectionReportResponse xmlns="urn:v1.fne.webservices.operations.flexnet.com">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <cloneSuspects>
        <cloneSuspect>
          <timeStamp>2016-11-07T10:23:24.190Z</timeStamp>
          <hostClass>SERVED_CLIENT</hostClass>
          <deviceId>served_clone_dev1</deviceId>
          <serverId>9U3D3HZHFE7B</serverId>
          <lineItemActivationIds/>
          <orgId>pritam inc</orgId>
          <orgName>pritam inc</orgName>
          <enterpriseId>4</enterpriseId>
        </cloneSuspect>
        <cloneSuspect>
          <timeStamp>2016-11-07T10:21:24.293Z</timeStamp>
          <hostClass>SERVED_CLIENT</hostClass>
          <deviceId>served_clone_dev1</deviceId>
          <serverId>9U3D3HZHFE7B</serverId>
          <lineItemActivationIds/>
          <orgId>pritam inc</orgId>
          <orgName>pritam inc</orgName>
          <enterpriseId>4</enterpriseId>
```

XML Example

```
            </cloneSuspect>
          </cloneSuspects>
        </generateCloneDetectionReportResponse>
      </soapenv:Body>
    </soapenv:Envelope>
```

Element: generatePrebuiltLicenseRequest

Description

A **generatePrebuiltLicenseRequest** message contains an element of generatePrebuiltLicenseRequestType.

Derived By

Type generatePrebuiltLicenseRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestDataList	generatePrebuiltLicenseDataType	1..*	See generatePrebuiltLicenseDataType.

Referenced By

Name	Type
generatePrebuiltLicense	Method

XML Example

The following XML fragment illustrates a **generatePrebuiltLicenseRequest** message:

```
<generatePrebuiltLicenseRequest>
    <!--1 or more repetitions:-->
    <requestDataList>
      <deviceIdentifier>
        <deviceType>?</deviceType>
        <!--Optional:-->
        <uniqueId>?</uniqueId>
        <!--Optional:-->
        <deviceId>?</deviceId>
        <!--Optional:-->
        <serverIds>
          <!--1 or more repetitions:-->
          <serverId>?</serverId>
        </serverIds>
      </deviceIdentifier>
      <!--Optional:-->
      <product>
```

XML Example

```
        <!--Optional:-->
        <uniqueId>?</uniqueId>
        <!--Optional:-->
        <primaryKeys>
          <name>?</name>
          <!--Optional:-->
          <version>?</version>
        </primaryKeys>
      </product>
      <!--Optional:-->
      <licenseModel>
        <!--Optional:-->
        <uniqueId>?</uniqueId>
        <!--Optional:-->
        <primaryKeys>
          <name>?</name>
        </primaryKeys>
      </licenseModel>
      <!--Optional:-->
      <licenseModelAttributes>
        <!--Zero or more repetitions:-->
        <attribute>
          <attributeName>?</attributeName>
          <!--You have a CHOICE of the next 5 items at this level-->
          <!--Optional:-->
          <stringValue>?</stringValue>
          <!--Optional:-->
          <dateValue>?</dateValue>
          <!--Optional:-->
          <booleanValue>?</booleanValue>
          <!--Optional:-->
          <integerValue>?</integerValue>
          <!--Zero or more repetitions:-->
          <arrayValue>?</arrayValue>
        </attribute>
      </licenseModelAttributes>
      <!--Optional:-->
      <startDate>?</startDate>
      <!--Optional:-->
      <isPermanent>?</isPermanent>
      <!--Optional:-->
      <term>
        <numDuration>?</numDuration>
        <durationUnit>?</durationUnit>
      </term>
      <!--Optional:-->
      <expirationDate>?</expirationDate>
    </requestDataList>
  </generatePrebuiltLicenseRequest>
```

Element: generatePrebuiltLicenseResponse

Description

A **generatePrebuiltLicenseResponse** message contains an element of generatePrebuiltLicenseResponseType.

Derived By

Type generatePrebuiltLicenseResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGeneratePrebuiltLicenseDataListType	0..1	See failedGeneratePrebuiltLicenseDataListType.
responseData	generatePrebuiltLicenseDataListType	0..1	See generatePrebuiltLicenseListType.

Referenced By

Name	Type
generatePrebuiltLicense	Method

XML Example

The following XML fragments illustrate **generatePrebuiltLicenseResponse** messages:

Sample Successful Response Data:

```
<generatePrebuiltLicenseResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>

        <deviceId>555555</deviceId>
      </deviceIdentifier>
    </responseData>
</generatePrebuiltLicenseResponse>
```

Sample Failed Response Data:

```
<generatePrebuiltLicenseResponse>
    <statusInfo>
      <status>FAILURE</status>
    </statusInfo>
    <failedData>
      <failedDevice>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>555555</deviceId>
        </deviceIdentifier>
        <reason>20026:Cannot generate license for obsolete device.</reason>
      </failedDevice>
    </failedData>
</generatePrebuiltLicenseResponse>
```

Element: getAutoProvisionedServerRequest

Description

A **getAutoProvisionedServerRequest** message contains an element of getAutoProvisionedServerRequest.

Derived By

Type getAutoProvisionedServerRequest

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgName	string	1..1	The organization/enterprise for which we intend to retrieve the Cloud License Server (also referred to as autoprovisioned server).

Referenced By

Name	Type
getAutoProvisionedServer	Method

XML Example

The following XML fragment illustrates a **getAutoProvisionedServerRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
 xmlns:ops="urn:com.macrovision:flexnet/opsembedded">
  <soapenv:Header/>
  <soapenv:Body>
    <ops:getAutoProvisionedServerRequest>
      <ops:orgName>MyOrg INC</ops:orgName>
    </ops:getAutoProvisionedServerRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getAutoProvisionedServerResponse

Description

A **getAutoProvisionedServerResponse** message contains an element of getAutoProvisionedServerResponse.

Derived By

Type getAutoProvisionedServerResponse

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
cloudLicenseServer	deviceIdentifier	0..1	See deviceIdentifier.

Referenced By

Name	Type
getAutoProvisionedServer	Method

XML Example

The following XML fragment illustrates a **getAutoProvisionedServerResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <getAutoProvisionedServerResponse xmlns="urn:com.macrovision:flexnet/opsembedded">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <cloudLicenseServer>
        <deviceType>SERVER</deviceType>
        <uniqueId>LYZYZM7S7E8C</uniqueId>
        <deviceId>LYZYZM7S7E8C</deviceId>
        <serverIds>
          <serverId>LYZYZM7S7E8C</serverId>
        </serverIds>
        <deviceIdType>STRING</deviceIdType>
        <publisherName>fnedemo</publisherName>
      </cloudLicenseServer>
    </getAutoProvisionedServerResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getDeviceCountRequest

Description

A **getDeviceCountRequest** message contains an element of getDevicesCountRequestType.

Derived By

Type getDevicesCountRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	getDevicesParametersType	0..1	See getDevicesParametersType.

Referenced By

Name	Type
getDeviceCount	Method

XML Example

The following XML fragment illustrates a **getDeviceCountRequest** message:

```
<getDevicesRequest>
    <!--Optional:-->
    <queryParams>
      <!--Optional:-->
      <deviceId>
        <value>?</value>
        <searchType>?</searchType>
      </deviceId>
      <!--Optional:-->
      <deviceIdType>
        <value>ETHERNET</value>
        <searchType>EQUALS</searchType>
      </deviceIdType>
      <!--Optional:-->
      <hostTypeName>
        <value>?</value>
        <searchType>?</searchType>
      </hostTypeName>
      <!--Optional:-->
      <soldTo>
        <value>?</value>
        <searchType>?</searchType>
      </soldTo>
      <!--Optional:-->
      <machineType>
        <value>PHYSICAL</value>
        <searchType>EQUALS</searchType>
      </machineType>
    </queryParams>
  </getDevicesRequest>
```

Element: getDeviceCountResponse

Description

A **getDeviceCountResponse** message contains an element of getDeviceCountResponseType.

Derived By

Type getDeviceCountResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	0..1	See failedGetDevicesDataType.
responseData	getDeviceCountResponseDataType	0..1	See getDeviceCountResponseDataType.

Referenced By

Name	Type
getDeviceCount	Method

XML Example

The following XML fragments illustrate **getDeviceCountResponse** messages:

Sample Successful Response Data:

```
<getDeviceCountResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <count>2</count>
    </responseData>
  </getDeviceCountResponse>
```

Sample Failed Response Data, if no devices match:

```
<getDeviceCountResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <count>0</count>
  </responseData>
</getDeviceCountResponse>
```

Element: getDevicesRequest

Description

A **getDevicesRequest** message contains an element of getDevicesRequestType.

Derived By

Type getDevicesRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
queryParams	getDevicesParametersType	0..1	See getDevicesParametersType.

Content Model

Component	Type	Occurs	Description
deviceResponseConfig	deviceResponseConfigRequestType	0..1	Specifies the configuration settings to be included in the response. Includes the following boolean elements: • alias • description • status • servedStatus • hostTypeName • soldTo • channelPartners • preBuiltProduct • preBuiltLicense • addOnActivationId • addOnCounts • addOnProduct • addOnLicense • features • publisherIdentity • parent • machineType • vmDetails • vmInfo • vendorDictionary • deviceUser Optionally includes customAttributes. See customAttributesQueryListType.

Content Model

Component	Type	Occurs	Description
pageNumber	integer	1..1	Required. Starts at 1. Say the operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set **pageNumber** to 2.
batchSize	integer	1..1	Required. Maximum number of records to return in the response.

Referenced By

Name	Type
getDevicesQuery	Method

XML Example

The following XML fragment illustrates a **getDevicesRequest** message:

```
<getDevicesRequest>
    <!--Optional:-->
    <queryParams>
      <!--Optional:-->
      <deviceId>
        <value>?</value>
        <searchType>?</searchType>
      </deviceId>
    </queryParams>
    <!--Optional:-->
    <deviceResponseConfig>
      <!--Optional:-->
      <alias>1</alias>
      <!--Optional:-->
      <description>1</description>
      <!--Optional:-->
      <status>1</status>
      <!--Optional:-->
      <servedStatus>1</servedStatus>
      <!--Optional:-->
      <hostTypeName>1</hostTypeName>
      <!--Optional:-->
      <soldTo>1</soldTo>
      <!--Optional:-->
      <channelPartners>1</channelPartners>
      <!--Optional:-->
      <preBuiltProduct>1</preBuiltProduct>
      <!--Optional:-->
      <preBuiltLicense>1</preBuiltLicense>
      <!--Optional:-->
      <addOnActivationId>1</addOnActivationId>
      <!--Optional:-->
      <addOnCounts>1</addOnCounts>
      <!--Optional:-->
      <addOnProduct>1</addOnProduct>
      <!--Optional:-->
      <addOnLicense>1</addOnLicense>
      <!--Optional:-->
      <features>1</features>
      <!--Optional:-->
      <customAttributes>
```

XML Example

```
        <!--Zero or more repetitions:-->
        <attribute>
          <attributeName>LATITUDE</attributeName>
        </attribute>
      </customAttributes>
      <!--Optional:-->
      <publisherIdentity>1</publisherIdentity>
      <!--Optional:-->
      <parent>1</parent>
      <machineType>1</machineType>
      <vmDetails>1</vmDetails>
      <vmInfo>1</vmInfo>
      <vendorDictionary>1</vendorDictionary>
    </deviceResponseConfig>
    <pageNumber>?</pageNumber>
    <batchSize>?</batchSize>
  </getDevicesRequest>
```

Element: getDevicesResponse

Description

A **getDevicesResponse** message contains an element of getDevicesResponseType.

Derived By

Type getDevicesResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedGetDevicesDataType	0..1	See failedGetDevicesDataType.
responseData	getDevicesResponseDataType	0..1	See getDevicesResponseDataType.

Referenced By

Name	Type
getDevicesQuery	Method

XML Example

The following XML fragments illustrate **getDevicesResponse** messages:

XML Example

Sample Successful Response Data:


```
<getDevicesResponse xmlns="urn:com.macrovision:flexnet/opsembedded">
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <device>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>

        <deviceId>client1</deviceId>
      </deviceIdentifier>
      <hostTypeName>
        <name>client</name>
      </hostTypeName>
      <deviceStatus>ACTIVE</deviceStatus>
      <channelPartners>
        <channelPartner>
          <tierName>bo.constants.partnertiernames.endcustomer</tierName>
          <organizationUnit>

            <primaryKeys>
              <name>s1</name>
            </primaryKeys>
          </organizationUnit>
          <contact/>
          <currentOwner>false</currentOwner>
        </channelPartner>
      </channelPartners>
      <soldTo>
        <displayName>Organization 1</displayName>

        <name>s1</name>
      </soldTo>
      <preBuiltProduct>
        <name>builtIn</name>
        <version>1.0</version>
      </preBuiltProduct>
      <hasPrebuiltLicense>true</hasPrebuiltLicense>
      <prebuiltLicense>xxxx</prebuiltLicense>
      <hasAddonLicense>true</hasAddonLicense>
      <addonLicense>xxxx</addonLicense>
      <publisherIdName>
        <name>id1</name>
      </publisherIdName>
      <addonLineItemData>

        <activationId>e1_addOn1</activationId>
        <enabledCount>1</enabledCount>
        <consumedCount>1</consumedCount>
        <licenseState>LICENSE_GENERATED</licenseState>
        <entitledProducts>
          <entitledProduct>
            <product>

              <primaryKeys>
                <name>addOn1</name>
                <version>1.0</version>
              </primaryKeys>
            </product>
            <quantity>1</quantity>
          </entitledProduct>
        </entitledProducts>
      </addonLineItemData>
      <customAttributes>
        <attribute>
```

XML Example

```
            <attributeName>LATITUDE</attributeName>
            <stringValue>38</stringValue>
          </attribute>
        </customAttributes>
      </device>
    </responseData>
  </getDevicesResponse>
```

Sample Failed Response Data:

If no devices match:

```
<getDevicesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</getDevicesResponse>
```

Element: decrementAddonLineItemsResponse

Description

A **incrementAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType. It increments an existing count.

Derived By

Type linkAddonLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestList	linkAddonLineItemDataType	1..*	See linkAddonLineItemDataType.

Referenced By

Name	Type
incrementAddonLineItems	Method

XML Example

The following XML fragment illustrates an **incrementAddonLineItemsRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ops="urn:com.macrovision:flexnet/opsembedded">
   <soapenv:Header/>
   <soapenv:Body>
```

XML Example

```
    <ops:incrementAddonLineItemsRequest>
      <ops:requestList>
        <ops:deviceIdentifier>
          <ops:deviceType>CLIENT</ops:deviceType>
          <ops:deviceId>6565</ops:deviceId>
          <ops:deviceIdType>STRING</ops:deviceIdType>
          <ops:publisherName>demo</ops:publisherName>
        </ops:deviceIdentifier>
        <ops:lineItem>
          <ops:lineItemIdentifier>
            <ops:activationId>Online_Reg_ACT58_A</ops:activationId>
            <ops:count>10</ops:count>
          </ops:lineItemIdentifier>
        </ops:lineItem>
      </ops:requestList>
    </ops:incrementAddonLineItemsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: incrementAddonLineItemsResponse

Description

A **incrementAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.

Derived By

Type linkAddonLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	linkFailAddonDataListType	0..1	See linkFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
incrementAddonLineItems	Method

XML Example

The following XML fragment illustrates an **incrementAddonLineItemsResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
 xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <incrementAddonLineItemsResponse xmlns="urn:com.macrovision:flexnet/opsembedded">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <responseData>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>6565</deviceId>
          <deviceIdType>STRING</deviceIdType>
          <publisherName>demo</publisherName>
        </deviceIdentifier>
      </responseData>
    </incrementAddonLineItemsResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: linkAddonLineItemsRequest

Description

A **linkAddonLineItemsRequest** message contains an element of linkAddonLineItemsRequestType.

Derived By

Type linkAddonLineItemsRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
requestList	linkAddonLineItemDataType	1..*	See linkAddonLineItemDataType.

Referenced By

Name	Type
linkAddonLineItems	Method

XML Example

The following XML fragment illustrates a **linkAddonLineItemsRequest** message:

XML Example

```
<linkAddonLineItemsRequest>
    <!--1 or more repetitions:-->
    <requestList>
        <deviceIdentifier>
          <deviceType>?</deviceType>
          <!--Optional:-->
          <uniqueId>?</uniqueId>
          <!--Optional:-->
          <deviceId>?</deviceId>
          <!--Optional:-->
          <serverIds>
            <!--1 or more repetitions:-->
            <serverId>?</serverId>
          </serverIds>
          <!-Optional:-->
          <deviceIdType>?</deviceIdType>
          <!-Mandatory if you have more than one publisher or else optional: -->
          <!-type: string-->
          <publisherName>?</publisherName>
        </deviceIdentifier>
        <!--1 or more repetitions:-->
        <lineItem>
          <lineItemIdentifier>
            <!--Optional:-->
            <activationId>?</activationId>
            <!--Optional:-->
            <count>?</count>
          </lineItemIdentifier>
        </lineItem>
      </requestList>
 </linkAddonLineItemsRequest>
```

NOTE: If you have more than one publisher in your FlexNet Operations environment, you must pass the publisherName tag. When there is more than one publisher, if the publisherName tag is not passed, FlexNet Operations will not know which publisher this request is being made for.

Element: linkAddonLineItemsResponse

Description

A **linkAddonLineItemsResponse** message contains an element of linkAddonLineItemsResponseType.

Derived By

Type linkAddonLineItemsResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.

Content Model

Component	Type	Occurs	Description
failedData	linkFailAddonDataListType	0..1	See linkFailAddonDataListType.
responseData	successAddonDataListType	0..1	See successAddonDataListType.

Referenced By

Name	Type
linkAddonLineItems	Method

XML Example

The following XML fragments illustrate **linkAddonLineItemsResponse** messages:

Sample Successful Response Data:

```
<linkAddonLineItemsResponse>
    <statusInfo>
      <status>SUCCESS</status>
    </statusInfo>
    <responseData>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>

        <deviceId>555555</deviceId>
      </deviceIdentifier>
    </responseData>
</linkAddonLineItemsResponse>
```

Sample Failed Response Data:

```
<linkAddonLineItemsResponse>
    <statusInfo>
      <status>FAILURE</status>
    </statusInfo>
    <failedData>
      <failAddon>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>555555</deviceId>
        </deviceIdentifier>
        <lineItem>
          <lineItemIdentifier>
            <activationId>se-admin-1</activationId>
            <count>4</count>
          </lineItemIdentifier>
        </lineItem>
        <reason>20030:Add-on has mismatched sold-to.</reason>
      </failAddon>
    </failedData>
</linkAddonLineItemsResponse>
```

Element: moveDeviceRequest

Description

A **moveDeviceRequest** message contains an element of moveDeviceRequestType.

Derived By

Type moveDeviceRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
sourceDevices	moveDeviceList	1..1	Devices to move. See moveDeviceList.
soldToUniqueId	string	0..1	Unique database identifier of the organization to which the device currently belongs. Specify either soldToUniqueId or soldToName, not both.
soldToName	string	0..1	The name of the organization to which the device currently belongs. Specify either soldToUniqueId or soldToName, not both.
poolEntitlements	boolean	0..1	True, if existing, matching line items at the target organization are to be pooled. False, to always create new line items at the target organization. **Note:** This parameter not supported as of 2016 R1.

Referenced By

Name	Type
moveDevice	Method

XML Example

The following XML fragment illustrates a **moveDeviceRequest** message:

```
<moveDeviceRequest>
  <sourceDevices>
    <deviceIdentifier>
      <deviceType>CLIENT</deviceType>
      <deviceId>client3</deviceId>
    </deviceIdentifier>
  </sourceDevices>
  <soldToName>s4</soldToName>
  <poolEntitlements>false</poolEntitlements>
</moveDeviceRequest>
```

Element: moveDeviceResponse

Description

A **moveDeviceResponse** message contains an element of moveDeviceResponseType.

Derived By

Type moveDeviceResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedMoveDeviceListDataType	0..1	See failedMoveDeviceListDataType.

Referenced By

Name	Type
moveDevice	Method

XML Example

The following XML fragments illustrate **moveDeviceResponse** messages:

Sample Successful Response Data:

```
<moveDeviceResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
</moveDeviceResponse>
```

Sample Failed Response Data:

```
<moveDeviceResponse>
  <statusInfo>
    <status>FAILURE</status>
  </statusInfo>
  <failedData>
    <failedDevice>
      <deviceIdentifier>
        <deviceType>CLIENT</deviceType>
        <deviceId>client5</deviceId>
      </deviceIdentifier>
      <reason>20022:Device Identifier is invalid.</reason>
    </failedDevice>
  </failedData>
</moveDeviceResponse>
```

Element: obsoleteHostRequest

Description

An **obsoleteHostRequest** message contains an element of obsoleteHostRequestListType.

Derived By

Type obsoleteHostRequestListType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
host	obsoleteHostType	1..*	See obsoleteHostType.

Referenced By

Name	Type
obsoleteHost	Method

XML Example

The following XML fragment illustrates an **obsoleteHostRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
 xmlns:urn="urn:v1.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:obsoleteHostRequest>
      <urn:host>
        <urn:hostIdentifier>
          <urn:deviceType>CLIENT</urn:deviceType>
          <urn:deviceId>r_dev</urn:deviceId>
          <urn:deviceIdType>STRING</urn:deviceIdType>
          <urn:publisherName>fnedemo</urn:publisherName>
        </urn:hostIdentifier>
      </urn:host>
    </urn:obsoleteHostRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: obsoleteHostResponse

Description

An **obsoleteHostResponse** message contains an element of obsoleteHostResponseType.

Derived By

Type obsoleteHostResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedObsoleteHostListDataType	0..1	See failedObsoleteHostListDataType.

Referenced By

Name	Type
obsoleteHost	Method

XML Example

The following XML fragment illustrates an **obsoleteHostResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <soapenv:Body>
      <obsoleteHostResponse xmlns="urn:v1.fne.webservices.operations.flexnet.com">
         <statusInfo>
            <status>SUCCESS</status>
         </statusInfo>
      </obsoleteHostResponse>
   </soapenv:Body>
</soapenv:Envelope>
```

Element: returnHostRequest

Description

A **returnHostRequest** message contains an element of returnHostRequestListType.

Derived By

Type returnHostRequestListType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
returnHosts	returnHostType	1..*	See returnHostType.

Referenced By

Name	Type
returnHost	Method

XML Example

The following XML fragment illustrates a **returnHostRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v1.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:returnHostRequest>
      <urn:returnHosts>
        <urn:hostIdentifier>
          <urn:deviceType>CLIENT</urn:deviceType>
          <urn:deviceId>r_dev1</urn:deviceId>
          <urn:deviceIdType>STRING</urn:deviceIdType>
          <urn:publisherName>fnedemo</urn:publisherName>
        </urn:hostIdentifier>
      </urn:returnHosts>
    </urn:returnHostRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: returnHostResponse

Description

A **returnHostResponse** message contains an element of returnHostResponseType.

Derived By

Type returnHostResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.

Content Model

Component	Type	Occurs	Description
failedData	failedReturnHostListDataType	0..1	See failedReturnHostListDataType.

Referenced By

Name	Type
returnHost	Method

XML Example

The following XML fragment illustrates a **returnHostResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
   <soapenv:Body>
      <returnHostResponse xmlns="urn:v1.fne.webservices.operations.flexnet.com">
         <statusInfo>
            <status>SUCCESS</status>
         </statusInfo>
      </returnHostResponse>
   </soapenv:Body>
</soapenv:Envelope>
```

Element: updateDeviceRequest

Description

An **updateDevRequest** message contains an element of updateDevRequestType.

Derived By

Type updateDevRequestType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
device	updateDevDataType	1..*	See updateDevDataType.

Referenced By

Name	Type
updateDevice	Method

XML Example

The following XML fragment illustrates an **updateDevRequest** message:

```
<updateDevRequest>
    <!--1 or more repetitions:-->
    <device>
      <deviceIdentifier>
        <deviceType>?</deviceType>
        <!--Optional:-->
        <uniqueId>?</uniqueId>
        <!--Optional:-->
        <deviceId>?</deviceId>
        <!--Optional:-->
        <serverIds>
          <!--1 or more repetitions:-->
          <serverId>?</serverId>
        </serverIds>
        <deviceIdType>STRING</deviceIdType>
      </deviceIdentifier>
      <!--Optional:-->
      <deviceId>?</deviceId>
      <!--Optional:-->
      <serverIds>
        <!--1 or more repetitions:-->
        <serverId>?</serverId>
      </serverIds>
      <!--Optional:-->
      <hostTypeName>
        <name>?</name>
      </hostTypeName>
      <!--Optional:-->
      <publisherIdName>
        <name>?</name>
      </publisherIdName>
      <!--Optional:-->
      <description>?</description>
      <!--Optional:-->
      <updateChannelPartners>
        <!--Optional:-->
        <channelPartners>
          <!--Zero or more repetitions:-->
          <channelPartner>
            <tierName>?</tierName>
            <organizationUnit>
              <!--Optional:-->
              <uniqueId>?</uniqueId>
              <!--Optional:-->
              <primaryKeys>
                <name>?</name>
              </primaryKeys>
            </organizationUnit>
            <!--Optional:-->
            <contact>
              <!--Optional:-->
              <uniqueId>?</uniqueId>
              <!--Optional:-->
              <userName>?</userName>
              <!--Optional:-->
              <primaryKeys>
```

XML Example

```
                <firstName>?</firstName>
                <lastName>?</lastName>
                <emailAddress>?</emailAddress>
                <!--Optional:-->
                <phoneNumber>?</phoneNumber>
              </primaryKeys>
            </contact>
          </channelPartner>
        </channelPartners>
        <opType>?</opType>
      </updateChannelPartners>
      <!--Optional-->
      <alias>?</alias>
    </device>
  </updateDevRequest>
```

Element: updateDeviceResponse

Description

An **updateDevResponse** message contains an element of updateDevResponseType.

Derived By

Type updateDevResponseType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	OpsEmbeddedStatusInfoType	1..1	See OpsEmbeddedStatusInfoType.
failedData	failedUpdateDevDataListType	0..1	See failedUpdateDevDataListType.
responseData	updatedDeviceDataListType	0..1	See updatedDeviceDataListType.

Referenced By

Name	Type
updateDevice	Method

XML Example

The following XML fragments illustrate **updateDevResponse** messages:

Sample Successful Response Data:

XML Example


```
<updateDevResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>
  <responseData>
    <deviceIdentifier>
      <deviceType>CLIENT</deviceType>
      <deviceId>555555</deviceId>
    </deviceIdentifier>
  </responseData>
</updateDevResponse>
```


Sample Failed Response Data:


```
<updateDevResponse>
  <statusInfo>
    <status>FAILURE</status>
  </statusInfo>
  <failedData>
    <failedDevice>
      <device>
        <deviceIdentifier>
          <deviceType>CLIENT</deviceType>
          <deviceId>545454</deviceId>
          <deviceIdType>STRING</deviceIdType>
        </deviceIdentifier>
        <deviceId>555555</deviceId>
        <hostTypeName>
          <name>gizmo-2</name>
        </hostTypeName>
        <publisherIdName>
          <name>demo-trl-medium</name>
        </publisherIdName>
        <description>updated desc</description>
        <updateChannelPartners>
          <channelPartners>
            <channelPartner>
              <tierName>bo.constants.partnertiernames.endcustomer</tierName>
              <organizationUnit>
                <primaryKeys>
                  <name>WILY</name>
                </primaryKeys>
              </organizationUnit>
              <contact>
                <primaryKeys>
                  <firstName>WILY</firstName>
                  <lastName>Admin</lastName>
                  <emailAddress>admin@wilycoyote.co</emailAddress>
                </primaryKeys>
              </contact>
            </channelPartner>
          </channelPartners>
          <opType>REPLACE</opType>
        </updateChannelPartners>
      </device>
      <reason>Device Identifier is invalid.</reason>
    </failedDevice>
  </failedData>
</updateDevResponse>
```

DownloadPackagingService Web Service

Description

The Download Packaging Web Service is an add-on to the FlexNet Operations entitlement management system.

Introduction

The Download Packaging Service's primary components are Files and Download Packages (a collection of Files). Download Packages refer to additional optional attributes of End User License Agreements and Manufacturers which are also defined in this service. Products and Product Lines, which are defined in the Product Service, are also used by the Download Packaging Service. This service takes the place of ESD Web Service.

Methods: DownloadPackagingService

Methods

Name	Description
assignDownloadPackageToProduct	The **assignDownloadPackageToProduct** operation associates a download package to the Product.
assignFileToDownloadPackage	The **assignFileToDownloadPackage** operation associates a file to the Download Package.
createAgreement	The **createAgreement** operation creates the agreement with the provided Description and content.
createDownloadPackage	The **createDownloadPackage** operation creates the Download Package with the provide details.
createFile	The **createFile** operation creates the file with the provided file details.
createManufacturer	The **createManufacturer** operation creates the Manufacturer with the provided Manufacturer ID and Name.
deleteFile	The **deleteFile** operation deletes the file image associated with the file.
getAgreementCount	The **getAgreementCount** operation gets the agreement count with the provided search type.
getAgreementQuery	The **getAgreementQuery** operation gets the list of agreement descriptions with the provided search type.
getDownloadPackageCount	The **getDownloadPackageCount** operation gets the Download Package count with the provided search type.
getDownloadPackageInProductCount	The **getDownloadPackageInProductCount** operation gets the DownloadPackage In a Product count with the provided search type.
getDownloadPackageInProductQuery	The **getDownloadPackageInProductQuery** operation gets the list of DownloadPackage In a Product with the provided search type.
getDownloadPackageQuery	The **getDownloadPackageQuery** operation gets the list of DownloadPackageIDs with the provided search type.
getFileCount	The **getFileCount** operation gets the file count with the provided search type.
getFileQuery	The **getFileQuery** operation gets the list of file IDs with the provided search type.
getManufacturerCount	The **getManufacturerCount** operation gets the Manufacturer count with the provided search type.
getManufacturerQuery	The **getManufacturerQuery** operation gets the list of manufacturer descriptions with the provided search type.
getMultipleDownloadPackagesCount	
getMultipleDownloadPackagesQuery	
removeDownloadPackageFromProduct	The **removeDownloadPackageFromProduct** operation disassociates a Download Package from the Product.
removeFileFromDownloadPackage	The **removeFileFromDownloadPackage** operation disassociates a File from the Download Package.
updateAgreement	The **updateAgreement** operation updates the existing agreement with new content.
updateDownloadPackage	The **updateDownloadPackage** operation updates the existing Download Package with new description.

Methods

Name	Description
updateFile	The **updateFile** operation updates the existing File with new a description and content.
updateManufacturer	The **updateManufacturer** operation updates the existing manufacturer with new manufacturer name.
uploadFile	The **uploadFile** operation uploads the file image to the existing file ID.

Method: assignDownloadPackageToProduct

Description

The **assignDownloadPackageToProduct** operation associates a download package to the Product.

Parameters

Name	Type	Direction	Description
Product	ProductIDType	Input	See ProductIDType.
DownloadPackage	DownloadPackageIDType	Input	See DownloadPackageIDType.

Returns

A ProductAssociationResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Product	ProductIDType	See ProductIDType.
DownloadPackage	DownloadPackageIDType	See DownloadPackageIDType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: assignFileToDownloadPackage

Description

The **assignFileToDownloadPackage** operation associates a file to the Download Package.

Parameters

Name	Type	Direction	Description
DownloadPackage	DownloadPackageIDType	Input	See DownloadPackageIDType.
File	FileInDownloadPackageType	Input	See FileInDownloadPackageType.

Returns

A DownloadPackageAssociationResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
DownloadPackage	DownloadPackageIDType	See DownloadPackageIDType.
File	FileInDownloadPackageType	See FileInDownloadPackageType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: createAgreement

Description

The **createAgreement** operation creates the agreement with the provided Description and content.

Parameters

Name	Type	Direction	Description
Agreement	Agreement	Input	See Agreement.

Returns

An AgreementTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Agreement	Agreement	See Agreement.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: createDownloadPackage

Description

The **createDownloadPackage** operation creates the Download Package with the provide details.

Parameters

Name	Type	Direction	Description
DownloadPackage	DownloadPackage	Input	See DownloadPackage.
OpType	OpTypeType	Input	See OpTypeType.

Returns

A DownloadPackageTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
DownloadPackage	DownloadPackage	See DownloadPackage.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: createFile

Description

The **createFile** operation creates the file with the provided file details.

Parameters

Name	Type	Direction	Description
File	File	Input	See File.
OpType	OpTypeType	Input	See OpTypeType.

Returns

A FileTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
File	File	See File.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: createManufacturer

Description

The **createManufacturer** operation creates the Manufacturer with the provided Manufacturer ID and Name.

Parameters

Name	Type	Direction	Description
Manufacturer	Manufacturer	Input	See Manufacturer.
OpType	OpTypeType	Input	See OpTypeType.

Returns

A ManufacturerTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Manufacturer	Manufacturer	See Manufacturer.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: deleteFile

Description

The **deleteFile** operation deletes the file image associated with the file.

Parameters

Name	Type	Direction	Description
File	FileIDType	Input	See FileIDType.

Returns

A FileDeleteResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
File	FileIDType	See FileIDType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: getAgreementCount

Description

The **getAgreementCount** operation gets the agreement count with the provided search type.

Parameters

Name	Type	Direction	Description
AgreementQueryParameters	AgreementQueryParameters	Input	See AgreementQueryParameters.

Returns

An AgreementCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getAgreementQuery

Description

The **getAgreementQuery** operation gets the list of agreement descriptions with the provided search type.

Parameters

Name	Type	Direction	Description
AgreementQueryParameters	AgreementQueryParameters	Input	See AgreementQueryParameters.

Returns

An AgreementQueryResults element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	AgreementQueryResponseDataType	See AgreementQueryResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getDownloadPackageCount

Description

The **getDownloadPackageCount** operation gets the Download Package count with the provided search type.

Parameters

Name	Type	Direction	Description
DownloadPackageQueryParameters	DownloadPackageQueryParameters	Input	See DownloadPackageQueryParameters.

Returns

A DownloadPackageCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getDownloadPackageInProductCount

Description

The **getDownloadPackageInProductCount** operation gets the DownloadPackage In a Product count with the provided search type.

Parameters

Name	Type	Direction	Description
DownloadPackageInProductQueryParameters	DownloadPackageInProductQueryParameters	Input	

Returns

A DownloadPackageInProductCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getDownloadPackageInProductQuery

Description

The **getDownloadPackageInProductQuery** operation gets the list of DownloadPackage In a Product with the provided search type.

Parameters

Name	Type	Direction	Description
DownloadPackageInProductQueryParameters	DownloadPackageInProductQueryParameters	Input	
PageNumber	integer	Input	
BatchSize	integer	Input	
ReturnContainedObjects	boolean	Input	

Returns

A DownloadPackageInProductQueryResults element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.

Returns

Name	Type	Description
ResponseData	DownloadPackageInProductQueryResponseDataType	See DownloadPackageInProductQueryResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getDownloadPackageQuery

Description

The **getDownloadPackageQuery** operation gets the list of DownloadPackageIDs with the provided search type.

Parameters

Name	Type	Direction	Description
DownloadPackageQueryParameters	DownloadPackageQueryParameters	Input	See DownloadPackageQueryParameters.
PageNumber	integer	Input	Required. Starts at 1. Say the **getDownloadPackageQuery** operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set pageNumber to 2.
BatchSize	integer	Input	Required. Maximum number of records to return in the response.
ReturnContainedObjects	boolean	Input	TRUE or FALSE.

Returns

A DownloadPackageQueryResults element having the structure defined by the following table.

Returns

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	DownloadPackageQueryResponseDataType	See DownloadPackageQueryResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getFileCount

Description

The **getFileCount** operation gets the file count with the provided search type.

Parameters

Name	Type	Direction	Description
FileQueryParameters	FileQueryParameters	Input	See FileQueryParameters.

Returns

A FileCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getFileQuery

Description

The **getFileQuery** operation gets the list of file IDs with the provided search type.

Parameters

Name	Type	Direction	Description
FileQueryParameters	FileQueryParameters	Input	See FileQueryParameters.
PageNumber	integer	Input	Required. Starts at 1. Say the getFileQuery operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set pageNumber to 2.
BatchSize	integer	Input	Required. Maximum number of records to return in the response.
ReturnContainedObjects	boolean	Input	Number of matching files.

Returns

A FileQueryResults element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	FileQueryResponseDataType	See FileQueryResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getManufacturerCount

Description

The **getManufacturerCount** operation gets the Manufacturer count with the provided search type.

Parameters

Name	Type	Direction	Description
ManufacturerQueryParameters	ManufacturerQueryParameters	Input	See ManufacturerQueryParameters.

Returns

A ManufacturerCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getManufacturerQuery

Description

The **getManufacturerQuery** operation gets the list of manufacturer descriptions with the provided search type.

Parameters

Name	Type	Direction	Description
ManufacturerQueryParameters	ManufacturerQueryParameters	Input	See ManufacturerQueryParameters.

Returns

A ManufacturerQueryResults element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	ManufacturerQueryResponseDataType	See ManufacturerQueryResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getMultipleDownloadPackagesCount

Parameters

Name	Type	Direction	Description
MultipleDownloadPackagesQuery Parameters	MultipleDownloadPackagesQuery Parameters	Input	

Returns

A DownloadPackageCountResult element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	See QueryResult.
ResponseData	CountResponseDataType	See CountResponseDataType.

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: getMultipleDownloadPackagesQuery

Parameters

Name	Type	Direction	Description
MultipleDownloadPackagesQuery Parameters	MultipleDownloadPackagesQuery Parameters	Input	
SortBys	DownloadPackageSortBys	Input	
PageNumber	integer	Input	
BatchSize	integer	Input	
ReturnContainedObjects	boolean	Input	

Returns

A MultipleDownloadPackagesQueryResults element having the structure defined by the following table.

Name	Type	Description
QueryResult	QueryResult	
ResponseData	MultipleDownloadPackages QueryResponseDataType	

Faults

Name	Content
QueryError	QueryError
UnexpectedError	UnexpectedError

Method: removeDownloadPackageFromProduct

Description

The **removeDownloadPackageFromProduct** operation disassociates a Download Package from the Product.

Parameters

Name	Type	Direction	Description
Product	ProductIDType	Input	See ProductIDType.
DownloadPackage	DownloadPackageIDType	Input	See DownloadPackageIDType.

Returns

A ProductDisassociationResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Product	ProductIDType	See ProductIDType.
DownloadPackage	DownloadPackageIDType	See DownloadPackageIDType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: removeFileFromDownloadPackage

Description

The **removeFileFromDownloadPackage** operation disassociates a File from the Download Package.

Parameters

Name	Type	Direction	Description
DownloadPackage	DownloadPackageIDType	Input	See DownloadPackageIDType.
File	FileIDType	Input	See FileIDType.

Returns

A DownloadPackageDisassociationResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
DownloadPackage	DownloadPackageIDType	See DownloadPackageIDType.
File	FileIDType	See FileIDType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: updateAgreement

Description

The **updateAgreement** operation updates the existing agreement with new content.

Parameters

Name	Type	Direction	Description
Agreement	Agreement	Input	See Agreement.
OriginalDescription	string	Input	Used to "Reidentify" and agreement from "OriginalDescription" value to new "Description" value.

Returns

An AgreementTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Agreement	Agreement	See Agreement.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: updateDownloadPackage

Description

The **updateDownloadPackage** operation updates the existing Download Package with new description.

Parameters

Name	Type	Direction	Description
DownloadPackage	DownloadPackage	Input	See DownloadPackage.

Returns

A DownloadPackageTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
DownloadPackage	DownloadPackage	See DownloadPackage.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: updateFile

Description

The **updateFile** operation updates the existing File with new a description and content.

Parameters

Name	Type	Direction	Description
File	File	Input	See File.

Returns

A FileTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
File	File	See File.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: updateManufacturer

Description

The **updateManufacturer** operation updates the existing manufacturer with new manufacturer name.

Parameters

Name	Type	Direction	Description
Manufacturer	Manufacturer	Input	See Manufacturer.

Returns

A ManufacturerTransactionResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
Manufacturer	Manufacturer	See Manufacturer.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Method: uploadFile

Description

The **uploadFile** operation uploads the file image to the existing file ID.

Parameters

Name	Type	Direction	Description
File	FileIDType	Input	See FileIDType.
RetrieveFromLocation	LocationType	Input	Used for retrieving file staged to Flexera upload server from server remote from Flexera.
ExpectedCheckSum	CheckSum	Input	The expected MD5 checksum of the file being uploaded to the service.
EmailAddresses	string	Input	Send email to this address or addresses upon file upload completion.

Returns

A FileUploadResult element having the structure defined by the following table.

Name	Type	Description
TransactionResult	TransactionResult	See TransactionResult.
File	FileIDType	See FileIDType.

Faults

Name	Content
TransactionError	TransactionError
UnexpectedError	UnexpectedError

Complex Types: DownloadPackagingService

Complex Types

Name
Agreement
AgreementCountResult
AgreementQueryParameters
AgreementQueryResponseDataType
AgreementQueryResults
AgreementTransactionResult
AttributeDescriptor
CountResponseDataType
DownloadPackage
DownloadPackageAlternateLanguage
DownloadPackageAssociationResult
DownloadPackageCountResult
DownloadPackageDisassociationResult
DownloadPackageIDType
DownloadPackageInProductCountResult
DownloadPackageInProductQueryParameters
DownloadPackageInProductQueryResponseDataType
DownloadPackageInProductQueryResults
DownloadPackageQueryParameters
DownloadPackageQueryResponseDataType
DownloadPackageQueryResults
DownloadPackageResult
DownloadPackageSortBy
DownloadPackageSortBys
DownloadPackageSortOrderType
DownloadPackageTransactionResult
ExportComplianceClassification
File
FileAlternateLanguage
FileCountResult
FileDeleteResult
FileIDType
FileInDownloadPackageType
FileQueryParameters

Complex Types

Name
FileQueryResponseDataType
FileQueryResults
FileResult
FileTransactionResult
FileUploadResult
Manufacturer
ManufacturerCountResult
ManufacturerQueryParameters
ManufacturerQueryResponseDataType
ManufacturerQueryResults
ManufacturerTransactionResult
MultipleDownloadPackagesQueryParameters
MultipleDownloadPackagesQueryResponseDataType
MultipleDownloadPackagesQueryResults
ProductAssociationResult
ProductDisassociationResult
ProductIDType
ProductLine
ProductLineAlternateLanguage
QueryError
QueryResult
TransactionError
TransactionResult
UnexpectedError

Complex Type: Agreement

Description

End User License Agreements can be assigned to Download Packages. If set, users must agree to the terms in this document before being allowed to download the Files contained in the Download Package.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Description	string	1..1	Required. The name of the End User License Agreement for internal reference. Maximum of 100 characters.
Content	string	0..1	Required for create. Field for text or HTML content of the End User License Agreement, as you intend to display to the end user on the download site. Supports an unlimited number of characters.

Complex Type: AgreementCountResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Complex Type: AgreementQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description

Description	SimpleQueryType	0..1	A description element contains:
			• **value**—string to match all or part of the description.
			• **searchType**—one of the following search values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Status	StatusType	0..1	Returns one of the following: • ACTIVE • INACTIVE

Complex Type: AgreementQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Agreement	Agreement	0..*	See Agreement.

Complex Type: AgreementQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	AgreementQueryResponseDataType	0..1	See AgreementQueryResponseDataType.

Complex Type: AgreementTransactionResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
Agreement	Agreement	1..1	See Agreement.

Complex Type: AttributeDescriptor

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AttributeName	string	1..1	Custom attribute name.
StringValue	string	0..1	Custom attribute value.

Complex Type: CountResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Count	integer	1..1	The number of results.

Referenced By

Name	Type
ResponseData [type DownloadPackageInProductCountResult]	Element

Complex Type: DownloadPackage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	1..1	Required. Your company's unique identifier for this Product. We recommend that you use this field to facilitate product management between versions, bug fixes, or patches. Maximum of 100 characters.
Description	string	1..1	Required. The full name relating to the Product ID. The description may include manufacturer name, version, operating system, encryption level, or language. Maximum of 255 characters.
Version	string	0..1	This is the version of the Download Package or software release. Maximum of 20 characters.

Content Model

Component	Type	Occurs	Description
EffectiveDate	date	0..1	Required for create. The date the Download Package is available for download. The date description appears on the "Download Package Information" page from the download site. Organizations have access to the Download Package if the Product's Effective Date occurs within an Entitlement's Effective and Expiration dates on the Line Item for that Download Package.
ExpirationDate	date	0..1	Required for create. If the Expiration Date is in the future the Download Package appears on the new versions section of the download site. If the Expiration Date is in the past, the Download Package moves to the release archives section. Organizations have access to the Download Package from the release archives section even if the Download Package is expired, provided there is an overlap between the Download Package's Effective and Expiration dates and the Entitlement's Effective and Expiration dates.
ArchiveDate	date	0..1	Once this date has passed the download package will be moved to the "Archive" tab on the FlexNet Operations End User Portal. Users will still be able to download it if they have access through an overlap with their entitlement dates, but will not see it unless they click on the Archive tab on the End User Portal. (New entitlements with beginning dates after the Expiration date will not have access to this product at all).
SortGroup	string	0..1	The Release Group or Sort Group of the Download Packege controls the sorting of Product in FlexNet Operations on the "Download Package Information" page. The value of this field should include padding to force the desired sorting. If your product follows a release number schema of x.y.z, the release group should be of the form xxx.yyy.zzz. For example version 9.1 would map to a Release Group of 009.001.000. Version 10.2.3 would map to 010.002.003. The Release Group could also just apply to the top level release number if desired. Version 10.1.2 could have a release group of 010 as would version 10 SP2. The second level sort of the product list is the effective date of the product. Maximum of 20 characters.
ExtendedDescription	string	0..1	The Extended Description. Maximum of 1000 characters.
ExportComplianceClassification	ExportComplianceClassification	0..1	Required for create. See ExportComplianceClassification.
Manufacturer	Manufacturer	0..1	Required for create. See Manufacturer.
ProductLine	ProductLine	0..1	Required for create. See ProductLine.
EndUserLicenseAgreement	Agreement	0..1	See Agreement.

Content Model

Component	Type	Occurs	Description
EvaluationEndUserLicenseAgreement	Agreement	0..1	See Agreement.
DownloadPackageNote	string	0..1	Instructions to End User on the download page for this package.
PhysicalDistributionAvailable	boolean	0..1	Indicates whether or not physical media may be order for this download package.
RestrictCode	string	0..1	Restrict download package functionality. Values are A=Allow, D=Deny, N=empty string (not currently restricted).
AttributeDescriptor	AttributeDescriptor	0..*	See AttributeDescriptor.
AlternateLanguage	DownloadPackageAlternateLanguage	0..*	See DownloadPackageAlternateLanguage.

Referenced By

Name	Type
DownloadPackage [type DownloadPackageResult]	Element

Complex Type: DownloadPackageAlternateLanguage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Language	string	0..1	Language used by partner.
Description	string	0..1	This is the full name relating to the Product ID. The description may include manufacturer name, version, operating system, encryption level, or language. This description appears on the " Product Information" page from the download site in locale.
ExtendedDescription	string	0..1	This is the Extended Description. Maximum of 1000 characters.
DownloadPackageNote	string	0..1	Instructions to End User on the download page for this package.

Complex Type: DownloadPackageAssociationResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.
File	FileInDownloadPackageType	1..1	See FileInDownloadPackageType.

Complex Type: DownloadPackageCountResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Referenced By

Name	Type
DownloadPackageCountResult [element getMultipleDownloadPackagesCountResponse]	Element

Complex Type: DownloadPackageDisassociationResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.
File	FileIDType	1..1	See FileIDType.

Complex Type: DownloadPackageIDType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	1..1	Required. Your company's unique identifier for this Product. We recommend that you use this field to facilitate product management between versions, bug fixes, or patches. Maximum of 100 characters.

Complex Type: DownloadPackageInProductCountResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Referenced By

Name	Type
DownloadPackageInProductCountResult [element getDownloadPackageInProductCountResponse]	Element

Complex Type: DownloadPackageInProductQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductName	string	1..1	Product name.
ProductVersion	string	1..1	Product version.

Referenced By

Name	Type
DownloadPackageInProductQueryParameters [element getDownloadPackageInProductCount]	Element
DownloadPackageInProductQueryParameters [element getDownloadPackageInProductQuery]	Element

Complex Type: DownloadPackageInProductQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageResult	DownloadPackageResult	0..*	Download package.

Referenced By

Name	Type
ResponseData [type DownloadPackageInProductQueryResults]	Element

Complex Type: DownloadPackageInProductQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	DownloadPackageInProductQueryResponseDataType	0..1	See DownloadPackageInProductQueryResponseDataType.

Referenced By

Name	Type
DownloadPackageInProductQueryResults [element getDownloadPackageInProductQueryResponse]	Element

Complex Type: DownloadPackageQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description

DownloadPackageID	SimpleQueryType	0..1	A **DownloadPackageID** element contains:
			• **value**—a string to match part or all of the download package ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

DownloadPackageDescription	SimpleQueryType	0..1	A **Description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

DownloadPackageVersion	string	0..1	Version of the download package.
CreationDateStart	date	0..1	The start date of the download package creation.
CreationDateEnd	date	0..1	The end date of the download package creation.
Availability	AvailabilityType	0..1	One of the following: • ARCHIVE • CURRENT • FUTURE

Complex Type: DownloadPackageQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageResult	DownloadPackageResult	0..*	See DownloadPackageResult

Complex Type: DownloadPackageQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	DownloadPackageQueryResponseDataType	0..1	See DownloadPackageQueryResponseDataType.

Complex Type: DownloadPackageResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageSystemID	string	0..1	System ID of the download package.
DownloadPackage	DownloadPackage	0..1	See DownloadPackage.

Content Model

Component	Type	Occurs	Description
Product	ProductIDType	0..*	See ProductIDType.

Referenced By

Name	Type
DownloadPackageResult [type DownloadPackageInProductQueryResponseDataType]	Element
DownloadPackageResult [type DownloadPackageQueryResponseDataType]	Element
DownloadPackageResult [type MultipleDownloadPackagesQueryResponseDataType]	Element

Complex Type: DownloadPackageSortBy

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
SortKey	DownloadPackageSortKey	1..1	
Ascending	boolean	1..1	

Referenced By

Name	Type
SortBy [type DownloadPackageSortBys]	Element

Complex Type: DownloadPackageSortBys

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
SortBy	DownloadPackageSortBy	1..1	

Referenced By

Name	Type
SortBys [element getMultipleDownloadPackagesQuery]	Element

Complex Type: DownloadPackageSortOrderType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	1..1	Download package ID.
SortOrder	string	0..1	Download package file sort order.

Referenced By

Name	Type
DownloadPackageSortOrder [type FileResult]	Element

Complex Type: DownloadPackageTransactionResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
DownloadPackage	DownloadPackage	1..1	See DownloadPackage.

Complex Type: ExportComplianceClassification

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
NLR	string	0..1	NLR is the designator of a transaction that stands for the "No License Required" authorization. NLR may be used for either EAR99 items, or items on the CCL that do not require a license for the destination in question, provided no General Prohibitions apply.
ECCNCode	string	0..1	The Export Control Classification Number, or ECCN, is the U.S. term for an export classification code. An ECCN identifies the relevant category and paragraph of a classification, as they are maintained under the EAR's Commerce Control List.
ENCCode	string	0..1	Encryption Licensing Arrangement: Refers to a specific type of export license that allows the export or re-export of specified encryption hardware or software to specified destinations in unlimited quantities.
CCATSCode	string	0..*	Refers to the Commodity Classification Automated Tracking System, or CCATS, number that the BIS assigns to a commodity classification request.

Complex Type: File

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
FileID	string	1..1	Required. Your company's unique identifier for this File. We recommend you use this field to facilitate file management between versions, bug fixes, or patches. Maximum of 100 characters.
Description	string	1..1	Required. The full name of the File. The description may include manufacturer name, version, operating system, encryption level, or language. This description appears on the download site. Maximum of 500 characters.
ExtendedDescription	string	0..1	The Extended Description. Maximum of 1000 characters.
FileName	string	0..1	The name of the File binary (for example: filename.zip). This field is overwritten with the name of the File when using the File Upload function. Alternately, this field may be edited to enter different content to present to the end user. File name is a mandatory field when a file is in LOADED state. Non-ascii characters are not allowed in the file name. Maximum of 255 characters
Status	string	0..1	Not directly settable. One of the following: • LOADED - The file has been loaded into the ESD system. • NOT_LOADED - The file is not yet loaded into the ESD system. • DELETED - The file that was previously load is now deleted.
AkamaiSyncIndicator	boolean	0..1	Not directly settable. Indicates whether or not file has been propogated to the Akamai network. This only applies customers who have purchased the Akamai option.
RestrictedIndicator	boolean	0..1	Not directly settable. Indiates whether or not File has granted or revoked access to specific Organizations.
RetrieveFromLocation	string	0..1	Used for retrieving file staged to Flexera upload server from server remote from Flexera.
FileSize	integer	0..1	Not directly settable.
ExpectedCheckSum	CheckSum	0..1	MD5 check sum.
ActualSHA256	string	0..1	

Content Model

Component	Type	Occurs	Description
ContentDetail	string	0..1	If the File is a zip or a jar file, the zipinfo will be set in this field during the File Upload process. Alternately, this field may be edited to enter different product content.
AttributeDescriptor	AttributeDescriptor	0..*	See AttributeDescriptor.
AlternateLanguage	FileAlternateLanguage	0..*	See FileAlternateLanguage.

Referenced By

Name	Type
File [type FileResult]	Element

Complex Type: FileAlternateLanguage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Language	string	0..1	Language used by partner.
Description	string	0..1	The full name of the File. The description may include manufacturer name, version, operating system, encryption level, or language. This description appears on the download site in locale.
ExtendedDescription	string	0..1	The Extended Description in locale. Maximum of 1000 characters.
ContentDetail	string	0..1	This content appears in the pop up windows for "Estimated Times and Details" located on the file download page from the download site. If the File is a zip or a jar file, the zipinfo will be set in this field during the File Upload process. Alternately, this field may be edited to enter different Product content to present to the end user.

Complex Type: FileCountResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Complex Type: FileDeleteResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
File	FileIDType	1..1	See FileIDType.

Complex Type: FileIDType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
FileID	string	1..1	Reference to existing File.

Complex Type: FileInDownloadPackageType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
FileID	string	1..1	Rquired. Reference to existing File.
SortOrder	string	0..1	Used to control sorting of files within the Download Package.

Complex Type: FileQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

FileID	SimpleQueryType	0..1	A **FileID** element contains:
			• **value**—a string to match part or all of the file ID.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Content Model

Component	Type	Occurs	Description

Description	SimpleQueryType	0..1	A **Description** element contains:
			• **value**—a string to match part or all of the description.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

FileName	SimpleQueryType	0..1	A **FileName** element contains:
			• **value**—a string to match part or all of the file name.
			• **searchType**—one of the following simpleSearchType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

FileStatus	FileStatusType	0..1	See FileStatusType.
CreationDateStart	date	0..1	Date the file creation started.
CreationDateEnd	date	0..1	Date the file creation ended.
LastUploadedDateStart	date	0..1	Date the last upload started.
LastUploadedDateEnd	date	0..1	Date the last upload ended.

Complex Type: FileQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
FileResult	FileResult	0..*	See FileResult

Complex Type: FileQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	FileQueryResponseDataType	0..1	See FileQueryResponseDataType.

Complex Type: FileResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
File	File	0..1	See File.
DownloadPackageSortOrder	DownloadPackageSortOrderType	0..*	See DownloadPackageSortOrderType.

Referenced By

Name	Type
FileResult [type FileQueryResponseDataType]	Element

Complex Type: FileTransactionResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
File	File	1..1	See File.

Complex Type: FileUploadResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
File	FileIDType	1..1	See FileIDType.

Complex Type: Manufacturer

Description

Note: *in the Producer Portal, this entity is referred to as "Producer".*

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerID	string	1..1	Required. This is your company's unique identifier for the Manufacturer. Alphanumeric format and must match the regular expression [A-Za-z0-9]. For example, "BS92" is acceptable, but BS_92 is not. Maximum of 100 characters.
Name	string	1..1	Required. The display name of the Manufacturer. This name is displayed when the end user navigates to his downloadable files. For example, in the sequence of Flexera Software, FlexNet Publisher, FlexNet Publisher 2015, "Flexera Sofware" is the Manufacturer. Maximum of 100 characters.
Status	string	0..1	One of the following: • ACTIVE (default) • INACTIVE Inactive Manufacturers will not be displayed in the dropdowns when editing DownloadPackages.

Complex Type: ManufacturerCountResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Complex Type: ManufacturerQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

ManufacturerID	SimpleQueryType	0..1	A **ManufacturerID** element contains:
			• **value**—a string to match part or all of the manufacturer ID.
			• **searchType**—one of the following SimpleQueryType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Name	SimpleQueryType	0..1	A **name** element contains:
			• **value**—a string to match part or all of the manufacturer name.
			• **searchType**—one of the following SimpleQueryType values:
			  • STARTS_WITH
			  • CONTAINS
			  • ENDS_WITH
			  • EQUALS

Status	StatusType	0..1	Returns one of the following: • ACTIVE • INACTIVE

Complex Type: ManufacturerQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Manufacturer	Manufacturer	0..*	See Manufacturer.

Complex Type: ManufacturerQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	ManufacturerQueryResponseDataType	0..1	See ManufacturerQueryResponseDataType.

Complex Type: ManufacturerTransactionResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
Manufacturer	Manufacturer	1..1	See Manufacturer.

Complex Type: MultipleDownloadPackagesQueryParameters

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	0..*	
DownloadPackageDescription	SimpleQueryType	0..1	
DownloadPackageVersion	string	0..1	
CreationDateStart	date	0..1	
CreationDateEnd	date	0..1	
Availability	AvailabilityType	0..1	

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesCount]	Element
MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesQuery]	Element

Complex Type: MultipleDownloadPackagesQueryResponseDataType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageResult	DownloadPackageResult	0..*	

Referenced By

Name	Type
ResponseData [type MultipleDownloadPackagesQueryResults]	Element

Complex Type: MultipleDownloadPackagesQueryResults

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	
ResponseData	MultipleDownloadPackagesQueryResponseDataType	0..1	

Referenced By

Name	Type
MultipleDownloadPackagesQueryResults [element getMultipleDownloadPackagesQueryResponse]	Element

Complex Type: ProductAssociationResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
Product	ProductIDType	1..1	See ProductIDType.

Content Model

Component	Type	Occurs	Description
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.

Complex Type: ProductDisassociationResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionResult	TransactionResult	1..1	See TransactionResult.
Product	ProductIDType	1..1	See ProductIDType.
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.

Complex Type: ProductIDType

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductName	string	1..1	Name of the product.
ProductVersion	string	1..1	Version of the product.

Referenced By

Name	Type
Product [type DownloadPackageResult]	Element

Complex Type: ProductLine

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductLineID	string	0..1	Your company's unique identifier for this Product Line. The Product Line is an attribute of both Catalog Items and Products.
Name	string	0..1	Required for create. The full name of the Product Line. This name appears as a navigational hyperlink option on the download site.
Description	string	0..1	Optional field for text or HTML content where you may include information about this Product Line. This content is typically only for internal reference and will not be displayed on the FlexNet Operations site.
Features	string	0..1	Optional field for text or HTML content where you may include marketing features of this Product Line. This content appears towards the top of the Product List page from the download site. Supports an unlimited number of characters.
SortOrder	string	0..1	The sort order of the product line. The sort order will determine the order in which the product line is displayed.
LicenseInformation	string	0..1	Optional field for text or HTML content where you may include information about licensing for all Products belonging to this Product Line. This content displays on the License Keys section.
AttributeDescriptor	AttributeDescriptor	0..*	See AttributeDescriptor.
AlternateLanguage	ProductLineAlternateLanguage	0..*	See ProductLineAlternateLanguage.
Status	string	0..1	The status of the product line. Active Products are in use on the download site.

Complex Type: ProductLineAlternateLanguage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Language	string	0..1	Language used by partner.
Name	string	0..1	The full name of the Product Line. This name appears as a navigational hyperlink option on the download site in a particular locale.
Description	string	0..1	Optional field for text or HTML content where you may include information about this Product Line. This content is typically only for internal reference and will not be displayed on the FlexNet Operations site in locale.
Features	string	0..1	Optional field for text or HTML content where you may include marketing features of this Product Line. This content appears towards the top of the Product List page from the download site. Supports an unlimited number of characters in locale.
LicenseInformation	string	0..1	Optional field for text or HTML content where you may include information about licensing for all Products belonging to this Product Line. This content displays on the License Keys section in locale.
Status	string	0..1	Status.

Complex Type: QueryError

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
errorCode	string	1..1	Query Code returned after executes a query.
errorMessage	string	1..1	Error message returned after executes a query.
errorDetails	string	1..1	Details of the error.

Complex Type: QueryResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Successful	boolean	1..1	TRUE or FALSE
ProcessedTime	dateTime	1..1	Date and time query processed.
QueryError	QueryError	0..*	See QueryError.

Referenced By

Name	Type
QueryResult [type DownloadPackageInProductCountResult]	Element
QueryResult [type DownloadPackageInProductQueryResults]	Element
QueryResult [type MultipleDownloadPackagesQueryResults]	Element

Complex Type: TransactionError

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
errorCode	string	1..1	Transaction Code returned after executes a transaction.
errorMessage	string	1..1	Error message returned after executes a transaction.
errorDetails	string	1..1	Details of the error.

Complex Type: TransactionResult

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
TransactionID	string	0..1	System generated ID returned as a reference for this submisson.
TransactionStatus	TransactionStatusType	1..1	SUCCESS or FAILURE
ProcessedTime	dateTime	1..1	Timestamp of the transaction.
TransactionError	TransactionError	0..*	See TransactionError.

Complex Type: UnexpectedError

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Code	string	1..1	Other errors not included in ESD error list.
IncidentID	string	0..1	Error code.

Simple Types: DownloadPackagingService

Simple Types

Name
DownloadPackageSortKey
FileStatusType
OpTypeType

Simple Type: DownloadPackageSortKey

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
DOWNLOADPACKAGE_ID	
DESCRIPTION	

Referenced By

Name	Type
SortKey [type DownloadPackageSortBy]	Element

Simple Type: FileStatusType

Description

See FileStatusType.

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
LOADED	The file has been loaded into the Dowload Package system.
NOT_LOADED	The file is not yet loaded into the Dowload Package system.
DELETED	The file that was previously load is now deleted.

Simple Type: OpTypeType

Description

See OpTypeType.

Derived By

Restricting NMTOKEN

Enumeration

Value	Description
CREATE_OR_UPDATE	
CREATE_OR_IGNORE	

Elements: DownloadPackagingService

Elements

Name	Description
ActualSHA256 [type File]	
Ascending [type DownloadPackageSortBy]	
assignDownloadPackageToProduct	
assignDownloadPackageToProductResponse	
Availability [type MultipleDownloadPackagesQueryParameters]	
BatchSize [element getDownloadPackageInProductQuery]	
BatchSize [element getMultipleDownloadPackagesQuery]	
createAgreement	
createAgreementResponse	
createDownloadPackage	
createDownloadPackageResponse	
createManufacturer	
createManufacturerResponse	
CreationDateEnd [type MultipleDownloadPackagesQueryParameters]	
CreationDateStart [type MultipleDownloadPackagesQueryParameters]	
DownloadPackage [type DownloadPackageResult]	See DownloadPackage.
DownloadPackageCountResult [element getMultipleDownloadPackagesCountResponse]	

DownloadPackageDescription [type DownloadPackageQueryParameters]	A **Description** element contains:
	• **value**—a string to match part or all of the description.
	• **searchType**—one of the following simpleSearchType values:
	  • STARTS_WITH
	  • CONTAINS
	  • ENDS_WITH
	  • EQUALS

Elements

Name	Description
DownloadPackageDescription [type MultipleDownloadPackagesQueryParameters]	
DownloadPackageID [type DownloadPackageSortOrderType]	Download package ID.
DownloadPackageID [type MultipleDownloadPackagesQueryParameters]	
DownloadPackageInProductCountResult [element getDownloadPackageInProductCountResponse]	
DownloadPackageInProductQueryParameters [element getDownloadPackageInProductCount]	
DownloadPackageInProductQueryParameters [element getDownloadPackageInProductQuery]	
DownloadPackageInProductQueryResults [element getDownloadPackageInProductQueryResponse]	
DownloadPackageResult [type DownloadPackageInProductQueryResponseDataType]	Download package.
DownloadPackageResult [type DownloadPackageQueryResponseDataType]	See DownloadPackageResult
DownloadPackageResult [type MultipleDownloadPackagesQueryResponseDataType]	
DownloadPackageSortOrder [type FileResult]	See DownloadPackageSortOrderType.
DownloadPackageSystemID [type DownloadPackageResult]	System ID of the download package.
DownloadPackageVersion [type DownloadPackageQueryParameters]	Version of the download package.
DownloadPackageVersion [type MultipleDownloadPackagesQueryParameters]	
ExpectedCheckSum [type File]	MD5 check sum.
File [type FileResult]	See File.
FileResult [type FileQueryResponseDataType]	See FileResult
getAgreementCount	
getAgreementCountResponse	
getAgreementQuery	
getAgreementQueryResponse	
getDownloadPackageCount	

Elements

Name	Description
getDownloadPackageCountResponse	
getDownloadPackageInProductCount	
getDownloadPackageInProductCountResponse	
getDownloadPackageInProductQuery	
getDownloadPackageInProductQueryResponse	
getDownloadPackageQuery	
getDownloadPackageQueryResponse	
getManufacturerCount	
getManufacturerCountResponse	
getManufacturerQuery	
getManufacturerQueryResponse	
getMultipleDownloadPackagesCount	
getMultipleDownloadPackagesCountResponse	
getMultipleDownloadPackagesQuery	
getMultipleDownloadPackagesQueryResponse	
MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesCount]	
MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesQuery]	
MultipleDownloadPackagesQueryResults [element getMultipleDownloadPackagesQueryResponse]	
PageNumber [element getDownloadPackageInProductQuery]	
PageNumber [element getMultipleDownloadPackagesQuery]	
Product [type DownloadPackageResult]	See ProductIDType.
ProductName [type DownloadPackageInProductQueryParameters]	Product name.
ProductVersion [type DownloadPackageInProductQueryParameters]	Product version.
QueryResult [type DownloadPackageInProductCountResult]	See QueryResult.
QueryResult [type DownloadPackageInProductQueryResults]	See QueryResult.

Elements

Name	Description
QueryResult [type MultipleDownloadPackagesQueryResults]	
removeDownloadPackageFromProduct	
removeDownloadPackageFromProductResponse	
ResponseData [type DownloadPackageInProductCountResult]	See CountResponseDataType.
ResponseData [type DownloadPackageInProductQueryResults]	See DownloadPackageInProductQueryResponseDataType.
ResponseData [type MultipleDownloadPackagesQueryResults]	
RestrictCode [type DownloadPackage]	Restrict download package functionality. Values are A=Allow, D=Deny, N=empty string (not currently restricted).
ReturnContainedObjects [element getDownloadPackageInProductQuery]	Whether or not to include the contained objects in the response. TRUE or FALSE.
ReturnContainedObjects [element getMultipleDownloadPackagesQuery]	
SortBy [type DownloadPackageSortBys]	
SortBys [element getMultipleDownloadPackagesQuery]	
SortKey [type DownloadPackageSortBy]	
SortOrder [type DownloadPackageSortOrderType]	Download package file sort order.
updateAgreement	
updateAgreementResponse	
updateDownloadPackage	
updateDownloadPackageResponse	
updateManufacturer	
updateManufacturerResponse	

Element: ActualSHA256 [type File]

Derived By

Type string

Referenced By

Name	Type
File	Complex Type

Definition

See File

Element: Ascending [type DownloadPackageSortBy]

Derived By

Type boolean

Referenced By

Name	Type
DownloadPackageSortBy	Complex Type

Definition

See DownloadPackageSortBy

Element: assignDownloadPackageToProduct

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Product	ProductIDType	1..1	See ProductIDType.
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.

XML Example

The following XML fragment illustrates an **assignDownloadPackageToProduct** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
    <soapenv:Header>
    </soapenv:Header>
  <soapenv:Body>
    <dow:assignDownloadPackageToProduct>
      <Product>
        <ProductName>AS-ESDProduct-011401</ProductName>
```

XML Example

```
        <ProductVersion>1.0</ProductVersion>
      </Product>
      <DownloadPackage>
        <DownloadPackageID>AS-DP1</DownloadPackageID>
      </DownloadPackage>
    </dow:assignDownloadPackageToProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: assignDownloadPackageToProductResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductAssociationResult	ProductAssociationResult	1..1	See ProductAssociationResult.

XML Example

The following XML fragment illustrates a successful **assignDownloadPackageToProductResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p293566130:assignDownloadPackageToProductResponse
     xmlns:p293566130="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ProductAssociationResult>
        <TransactionResult>
          <TransactionID>2171679973</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-04-15T16:45:11.350Z</ProcessedTime>
        </TransactionResult>
        <Product>
          <ProductName>AS-ESDProduct-011401</ProductName>
          <ProductVersion>1.0</ProductVersion>
        </Product>
        <DownloadPackage>
          <DownloadPackageID>AS-DP1</DownloadPackageID>
        </DownloadPackage>
      </ProductAssociationResult>
    </p293566130:assignDownloadPackageToProductResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: Availability [type MultipleDownloadPackagesQueryParameters]

Derived By

Type AvailabilityType

Enumeration

Value	Description
ARCHIVE	
CURRENT	
FUTURE	

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: BatchSize [element getDownloadPackageInProductQuery]

Derived By

Type integer

Referenced By

Name	Type
getDownloadPackageInProductQuery	Element
getDownloadPackageInProductQuery	Method

Definition

See getDownloadPackageInProductQuery

Element: BatchSize [element getMultipleDownloadPackagesQuery]

Derived By

Type integer

Referenced By

Name	Type
getMultipleDownloadPackagesQuery	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQuery

Element: createAgreement

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Agreement	Agreement	1..1	See Agreement.

XML Example

The following XML fragment illustrates a **createAgreement** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:createAgreement>
      <Agreement>
        <Description>AS-TESTAGREEMENT-01</Description>
        <!--Optional:-->
        <Content>TEST CONTENT</Content>
      </Agreement>
    </dow:createAgreement>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: createAgreementResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementTransactionResult	AgreementTransactionResult	1..1	See AgreementTransactionResult.

XML Example

The following XML fragment illustrates a successful **createAgreementResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:createAgreementResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <AgreementTransactionResult>
        <TransactionResult>
          <TransactionID>2291380167</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-02-22T16:40:35.643Z</ProcessedTime>
        </TransactionResult>
        <Agreement>
          <Description>AS-TESTAGREEMENT-01</Description>
          <Content>TEST CONTENT</Content>
        </Agreement>
      </AgreementTransactionResult>
    </p707:createAgreementResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: createDownloadPackage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackage	DownloadPackage	1..1	See DownloadPackage.
OpType	OpTypeType	0..1	See OpTypeType.

XML Example

The following XML fragment illustrates a **createDownloadPackage** message:

XML Example


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:createDownloadPackage>
      <DownloadPackage>
        <DownloadPackageID>AS-DOWNLOADPACKAGE-02</DownloadPackageID>
        <Description>AS DOWNLOAD PACKAGE 02</Description>
        <!--Optional:-->
        <Version>2016R1</Version>
        <!--Optional:-->
        <EffectiveDate>2016-02-01</EffectiveDate>
        <!--Optional:-->
        <ExpirationDate>2016-07-31</ExpirationDate>
        <!--Optional:-->
        <ArchiveDate>2016-08-01</ArchiveDate>
        <!--Optional:-->
        <SortGroup>2016</SortGroup>
        <!--Optional:-->
        <ExtendedDescription>DOWNLOAD PACKAGE VERSION 2016R1</ExtendedDescription>
        <!--Optional:-->
        <ExportComplianceClassification>
          <!--Optional:-->
          <NLR>F</NLR>
          <!--Optional:-->
          <ECCNCode>5D002</ECCNCode>
          <!--Optional:-->
          <ENCCode>NON_RETAIL</ENCCode>
          <!--Zero or more repetitions:-->
          <CCATSCode>Z123456</CCATSCode>
        </ExportComplianceClassification>
        <!--Optional:-->
        <Manufacturer>
          <ManufacturerID>AS-FLEXERAQA</ManufacturerID>
          <Name>AS-FLEXERAQA</Name>
          <!--Optional:-->
          <Status>ACTIVE</Status>
        </Manufacturer>
        <!--Optional:-->
        <ProductLine>
          <!--Optional:-->
          <ProductLineID>ESD</ProductLineID>
          <!--Optional:-->
          <Name>ESD</Name>
          <!--Optional:-->
          <Description>CREATED VIA WEB SERVICES</Description>
          <!--Optional:-->
          <Features>THIS PRODUCTLINE IS USED FOR ESD</Features>
          <!--Optional:-->
          <SortOrder>1</SortOrder>
          <!--Optional:-->
          <LicenseInformation>ESD LICENSE. CANNOT BE DISTRIBUTED.</LicenseInformation>
          <!--Zero or more repetitions:-->
          <AttributeDescriptor>
            <AttributeName>PRODUCTLINE-ATTR1</AttributeName>
            <!--Optional:-->
            <StringValue>ESD</StringValue>
          </AttributeDescriptor>
          <!--Zero or more repetitions:-->
          <AlternateLanguage>
            <!--Optional:-->
            <Language>zh</Language>
            <!--Optional:-->
            <Name>PRODUCT LINE IN MANDARIN</Name>
            <!--Optional:-->
            <Description>DESCRIPTION IN MANDARIN</Description>
```

XML Example


```
            <!--Optional:-->
            <Features>THIS PRODUCT LINE IS USED FOR ESD (IN MANDARIN)</Features>
            <!--Optional:-->
            <LicenseInformation>CANNOT REUSE, REDISTRIBUTE (IN MANDARIN)</LicenseInformation>
            <!--Optional:-->
            <Status>ACTIVE</Status>
          </AlternateLanguage>
          <!--Optional:-->
          <Status>ACTIVE</Status>
        </ProductLine>
        <!--Optional:-->
        <EndUserLicenseAgreement>
          <Description>FLEXERAQAAgreement</Description>
          <!--Optional:-->
          <Content>Created during September Prod release</Content>
        </EndUserLicenseAgreement>
        <!--Optional:-->
        <EvaluationEndUserLicenseAgreement>
          <Description>AS-TESTAGREEMENT-02</Description>
          <!--Optional:-->
          <Content>IS THIS VALID?</Content>
        </EvaluationEndUserLicenseAgreement>
        <!--Optional:-->
 <DownloadPackageNote>IN ORDER TO DOWNLOAD FILES FROM THE DOWNLOAD PACKAGE, CLICK THE DOWNLOAD PACKAGE
NAME</DownloadPackageNote>
        <!--Optional:-->
        <PhysicalDistributionAvailable>0</PhysicalDistributionAvailable>
        <!--Zero or more repetitions:-->
        <AttributeDescriptor>
          <AttributeName>PACKAGE_TYPE</AttributeName>
          <!--Optional:-->
          <StringValue>INSTALLATION</StringValue>
        </AttributeDescriptor>
        <!--Zero or more repetitions:-->
        <AlternateLanguage>
          <!--Optional:-->
          <Language>zh</Language>
          <!--Optional:-->
          <Description>DESCRIPTION IN MANDARIN</Description>
          <!--Optional:-->
          <ExtendedDescription>EXTENDED DESCRIPTION IN MANDARIN</ExtendedDescription>
          <!--Optional:-->
          <DownloadPackageNote>NOTES IN MANDARIN</DownloadPackageNote>
        </AlternateLanguage>
      </DownloadPackage>
    </dow:createDownloadPackage>
  </soapenv:Body>
</soapenv:Envelope>
```


Element: createDownloadPackageResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageTransactionResult	DownloadPackageTransactionResult	1..1	See DownloadPackageTransactionResult.

XML Example

The following XML fragment illustrates a successful **createDownloadPackageResponse** message:


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:createDownloadPackageResponse
xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <DownloadPackageTransactionResult>
        <TransactionResult>
          <TransactionID>2291779157</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-02-22T21:55:22.528Z</ProcessedTime>
        </TransactionResult>
        <DownloadPackage>
          <DownloadPackageID>AS-DOWNLOADPACKAGE-02</DownloadPackageID>
          <Description>AS DOWNLOAD PACKAGE 02</Description>
          <Version>2016R1</Version>
          <EffectiveDate>2016-02-01</EffectiveDate>
          <ExpirationDate>2016-07-31</ExpirationDate>
          <ArchiveDate>2016-08-01</ArchiveDate>
          <SortGroup>2016</SortGroup>
          <ExtendedDescription>DOWNLOAD PACKAGE VERSION 2016R1</ExtendedDescription>
          <ExportComplianceClassification>
            <NLR>No</NLR>
            <ECCNCode>5D002</ECCNCode>
            <ENCCode>NON_RETAIL</ENCCode>
            <CCATSCode>Z123456</CCATSCode>
          </ExportComplianceClassification>
          <ProductLine/>
          <EndUserLicenseAgreement>
            <Description xsi:nil="true"/>
          </EndUserLicenseAgreement>
          <EvaluationEndUserLicenseAgreement>
            <Description xsi:nil="true"/>
          </EvaluationEndUserLicenseAgreement>
 <DownloadPackageNote>IN ORDER TO DOWNLOAD FILES FROM THE DOWNLOAD PACKAGE, CLICK THE DOWNLOAD PACKAGE
NAME</DownloadPackageNote>
          <PhysicalDistributionAvailable>0</PhysicalDistributionAvailable>
          <AttributeDescriptor>
            <AttributeName>PACKAGE_TYPE</AttributeName>
            <StringValue>INSTALLATION</StringValue>
          </AttributeDescriptor>
          <AlternateLanguage>
            <Language>zh</Language>
            <Description>DESCRIPTION IN MANDARIN</Description>
            <ExtendedDescription>EXTENDED DESCRIPTION IN MANDARIN</ExtendedDescription>
            <DownloadPackageNote>NOTES IN MANDARIN</DownloadPackageNote>
          </AlternateLanguage>
        </DownloadPackage>
      </DownloadPackageTransactionResult>
    </p707:createDownloadPackageResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: createManufacturer

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Manufacturer	Manufacturer	1..1	See Manufacturer.
OpType	OpTypeType	0..1	See OpTypeType.

XML Example

The following XML fragment illustrates a **createManufacturer** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:createManufacturer>
      <Manufacturer>
        <ManufacturerID>AS-FLEXERAQA</ManufacturerID>
        <Name>AS-FLEXERAQA</Name>
        <!--Optional:-->
        <Status>ACTIVE</Status>
      </Manufacturer>
    </dow:createManufacturer>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: createManufacturerResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerTransactionResult	ManufacturerTransactionResult	1..1	See ManufacturerTransactionResult.

XML Example

The following XML fragment illustrates a successful **createManufacturerResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:createManufacturerResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ManufacturerTransactionResult>
        <TransactionResult>
          <TransactionID>2200543373</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-02-18T01:26:25.847Z</ProcessedTime>
        </TransactionResult>
        <Manufacturer>
          <ManufacturerID>AS-FLEXERAQA</ManufacturerID>
          <Name>AS-FLEXERAQA</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
      </ManufacturerTransactionResult>
    </p707:createManufacturerResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: CreationDateEnd [type MultipleDownloadPackagesQueryParameters]

Derived By

Type date

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: CreationDateStart [type MultipleDownloadPackagesQueryParameters]

Derived By

Type date

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: DownloadPackage [type DownloadPackageResult]

Description

See DownloadPackage.

Derived By

Type DownloadPackage

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	1..1	Required. Your company's unique identifier for this Product. We recommend that you use this field to facilitate product management between versions, bug fixes, or patches. Maximum of 100 characters.
Description	string	1..1	Required. The full name relating to the Product ID. The description may include manufacturer name, version, operating system, encryption level, or language. Maximum of 255 characters.
Version	string	0..1	This is the version of the Download Package or software release. Maximum of 20 characters.
EffectiveDate	date	0..1	Required for create. The date the Download Package is available for download. The date description appears on the "Download Package Information" page from the download site. Organizations have access to the Download Package if the Product's Effective Date occurs within an Entitlement's Effective and Expiration dates on the Line Item for that Download Package.

Content Model

Component	Type	Occurs	Description
ExpirationDate	date	0..1	Required for create. If the Expiration Date is in the future the Download Package appears on the new versions section of the download site. If the Expiration Date is in the past, the Download Package moves to the release archives section. Organizations have access to the Download Package from the release archives section even if the Download Package is expired, provided there is an overlap between the Download Package's Effective and Expiration dates and the Entitlement's Effective and Expiration dates.
ArchiveDate	date	0..1	Once this date has passed the download package will be moved to the "Archive" tab on the FlexNet Operations End User Portal. Users will still be able to download it if they have access through an overlap with their entitlement dates, but will not see it unless they click on the Archive tab on the End User Portal. (New entitlements with beginning dates after the Expiration date will not have access to this product at all).
SortGroup	string	0..1	The Release Group or Sort Group of the Download Packege controls the sorting of Product in FlexNet Operations on the "Download Package Information" page. The value of this field should include padding to force the desired sorting. If your product follows a release number schema of x.y.z, the release group should be of the form xxx.yyy.zzz. For example version 9.1 would map to a Release Group of 009.001.000. Version 10.2.3 would map to 010.002.003. The Release Group could also just apply to the top level release number if desired. Version 10.1.2 could have a release group of 010 as would version 10 SP2. The second level sort of the product list is the effective date of the product. Maximum of 20 characters.
ExtendedDescription	string	0..1	The Extended Description. Maximum of 1000 characters.
ExportComplianceClassification	ExportComplianceClassification	0..1	Required for create. See ExportComplianceClassification.
Manufacturer	Manufacturer	0..1	Required for create. See Manufacturer.
ProductLine	ProductLine	0..1	Required for create. See ProductLine.
EndUserLicenseAgreement	Agreement	0..1	See Agreement.
EvaluationEndUserLicenseAgreement	Agreement	0..1	See Agreement.
DownloadPackageNote	string	0..1	Instructions to End User on the download page for this package.
PhysicalDistributionAvailable	boolean	0..1	Indicates whether or not physical media may be order for this download package.

Content Model

Component	Type	Occurs	Description
RestrictCode	string	0..1	Restrict download package functionality. Values are A=Allow, D=Deny, N=empty string (not currently restricted).
AttributeDescriptor	AttributeDescriptor	0..*	See AttributeDescriptor.
AlternateLanguage	DownloadPackageAlternateLanguage	0..*	See DownloadPackageAlternateLanguage.

Referenced By

Name	Type
DownloadPackageResult	Complex Type

Definition

See DownloadPackageResult

Element: DownloadPackageCountResult [element getMultipleDownloadPackagesCountResponse]

Derived By

Type DownloadPackageCountResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Referenced By

Name	Type
getMultipleDownloadPackagesCountResponse	Element
getMultipleDownloadPackagesCount	Method

Definition

See getMultipleDownloadPackagesCountResponse

Element: DownloadPackageDescription [type DownloadPackageQueryParameters]

Description

A **Description** element contains:

- **value**—a string to match part or all of the description.
- **searchType**—one of the following simpleSearchType values:
  - STARTS_WITH
  - CONTAINS
  - ENDS_WITH
  - EQUALS

Derived By

Type SimpleQueryType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	string	1..1	A string to match part or all of the download package description.
searchType	SimpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Referenced By

Name	Type
DownloadPackageQueryParameters	Complex Type

Definition

See DownloadPackageQueryParameters

Element: DownloadPackageDescription [type MultipleDownloadPackagesQueryParameters]

Derived By

Type SimpleQueryType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
value	string	1..1	A string to match part or all of the download package description.
searchType	SimpleSearchType	1..1	One of the following simpleSearchType values: • STARTS_WITH • CONTAINS • ENDS_WITH • EQUALS

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: DownloadPackageID [type DownloadPackageSortOrderType]

Description

Download package ID.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageSortOrderType	Complex Type

Definition

See DownloadPackageSortOrderType

Element: DownloadPackageID [type MultipleDownloadPackagesQueryParameters]

Derived By

Type string

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: DownloadPackageInProductCountResult [element getDownloadPackageInProductCountResponse]

Derived By

Type DownloadPackageInProductCountResult

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	CountResponseDataType	0..1	See CountResponseDataType.

Referenced By

Name	Type
getDownloadPackageInProductCountResponse	Element
getDownloadPackageInProductCount	Method

Definition

See getDownloadPackageInProductCountResponse

Element: DownloadPackageInProductQueryParameters [element getDownloadPackageInProductCount]

Derived By

Type DownloadPackageInProductQueryParameters

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductName	string	1..1	Product name.
ProductVersion	string	1..1	Product version.

Referenced By

Name	Type
getDownloadPackageInProductCount	Element
getDownloadPackageInProductCount	Method

Definition

See getDownloadPackageInProductCount

Element: DownloadPackageInProductQueryParameters [element getDownloadPackageInProductQuery]

Derived By

Type DownloadPackageInProductQueryParameters

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductName	string	1..1	Product name.
ProductVersion	string	1..1	Product version.

Referenced By

Name	Type
getDownloadPackageInProductQuery	Element
getDownloadPackageInProductQuery	Method

Definition

See getDownloadPackageInProductQuery

Element: DownloadPackageInProductQueryResults [element getDownloadPackageInProductQueryResponse]

Derived By

Type DownloadPackageInProductQueryResults

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
QueryResult	QueryResult	1..1	See QueryResult.
ResponseData	DownloadPackageInProductQueryResponseDataType	0..1	See DownloadPackageInProductQueryResponseDataType.

Referenced By

Name	Type
getDownloadPackageInProductQueryResponse	Element
getDownloadPackageInProductQuery	Method

Definition

See getDownloadPackageInProductQueryResponse

Element: DownloadPackageResult [type DownloadPackageInProductQueryResponseDataType]

Description

Download package.

Derived By

Type DownloadPackageResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageSystemID	string	0..1	System ID of the download package.
DownloadPackage	DownloadPackage	0..1	See DownloadPackage.
Product	ProductIDType	0..*	See ProductIDType.

Referenced By

Name	Type
DownloadPackageInProductQueryResponseDataType	Complex Type

Definition

See DownloadPackageInProductQueryResponseDataType

Element: DownloadPackageResult [type DownloadPackageQueryResponseDataType]

Description

See DownloadPackageResult

Derived By

Type DownloadPackageResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageSystemID	string	0..1	System ID of the download package.
DownloadPackage	DownloadPackage	0..1	See DownloadPackage.
Product	ProductIDType	0..*	See ProductIDType.

Referenced By

Name	Type
DownloadPackageQueryResponseDataType	Complex Type

Definition

See DownloadPackageQueryResponseDataType

Element: DownloadPackageResult [type MultipleDownloadPackagesQueryResponseDataType]

Derived By

Type DownloadPackageResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageSystemID	string	0..1	System ID of the download package.
DownloadPackage	DownloadPackage	0..1	See DownloadPackage.
Product	ProductIDType	0..*	See ProductIDType.

Referenced By

Name	Type
MultipleDownloadPackagesQueryResponseDataType	Complex Type

Definition

See MultipleDownloadPackagesQueryResponseDataType

Element: DownloadPackageSortOrder [type FileResult]

Description

See DownloadPackageSortOrderType.

Derived By

Type DownloadPackageSortOrderType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	1..1	Download package ID.
SortOrder	string	0..1	Download package file sort order.

Referenced By

Name	Type
FileResult	Complex Type

Definition

See FileResult

Element: DownloadPackageSystemID [type DownloadPackageResult]

Description

System ID of the download package.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageResult	Complex Type

Definition

See DownloadPackageResult

Element: DownloadPackageVersion [type DownloadPackageQueryParameters]

Description

Version of the download package.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageQueryParameters	Complex Type

Definition

See DownloadPackageQueryParameters

Element: DownloadPackageVersion [type MultipleDownloadPackagesQueryParameters]

Derived By

Type string

Referenced By

Name	Type
MultipleDownloadPackagesQueryParameters	Complex Type

Definition

See MultipleDownloadPackagesQueryParameters

Element: ExpectedCheckSum [type File]

Description

MD5 check sum.

Derived By

Type CheckSum

Restrictions

- Length of value must be less than or equal to 32.

Referenced By

Name	Type
File	Complex Type

Definition

See File

Element: File [type FileResult]

Description

See File.

Derived By

Type File

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
FileID	string	1..1	Required. Your company's unique identifier for this File. We recommend you use this field to facilitate file management between versions, bug fixes, or patches. Maximum of 100 characters.
Description	string	1..1	Required. The full name of the File. The description may include manufacturer name, version, operating system, encryption level, or language. This description appears on the download site. Maximum of 500 characters.
ExtendedDescription	string	0..1	The Extended Description. Maximum of 1000 characters.
FileName	string	0..1	The name of the File binary (for example: filename.zip). This field is overwritten with the name of the File when using the File Upload function. Alternately, this field may be edited to enter different content to present to the end user. File name is a mandatory field when a file is in LOADED state. Non-ascii characters are not allowed in the file name. Maximum of 255 characters
Status	string	0..1	Not directly settable. One of the following: • LOADED - The file has been loaded into the ESD system. • NOT_LOADED - The file is not yet loaded into the ESD system. • DELETED - The file that was previously load is now deleted.
AkamaiSyncIndicator	boolean	0..1	Not directly settable. Indicates whether or not file has been propogated to the Akamai network. This only applies customers who have purchased the Akamai option.
RestrictedIndicator	boolean	0..1	Not directly settable. Indiates whether or not File has granted or revoked access to specific Organizations.

Content Model

Component	Type	Occurs	Description
RetrieveFromLocation	string	0..1	Used for retrieving file staged to Flexera upload server from server remote from Flexera.
FileSize	integer	0..1	Not directly settable.
ExpectedCheckSum	CheckSum	0..1	MD5 check sum.
ActualSHA256	string	0..1	
ContentDetail	string	0..1	If the File is a zip or a jar file, the zipinfo will be set in this field during the File Upload process. Alternately, this field may be edited to enter different product content.
AttributeDescriptor	AttributeDescriptor	0..*	See AttributeDescriptor.
AlternateLanguage	FileAlternateLanguage	0..*	See FileAlternateLanguage.

Referenced By

Name	Type
FileResult	Complex Type

Definition

See FileResult

Element: FileResult [type FileQueryResponseDataType]

Description

See FileResult

Derived By

Type FileResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
File	File	0..1	See File.
DownloadPackageSortOrder	DownloadPackageSortOrderType	0..*	See DownloadPackageSortOrderType.

Referenced By

Name	Type
FileQueryResponseDataType	Complex Type

Definition

See FileQueryResponseDataType

Element: getAgreementCount

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementQueryParameters	AgreementQueryParameters	0..1	See AgreementQueryParameters.

XML Example

The following XML fragment illustrates a **getAgreementCount** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:getAgreementCount>
      <!--Optional:-->
      <AgreementQueryParameters>
        <!--Optional:-->
        <Description>
          <value>Agreement</value>
          <searchType>CONTAINS</searchType>
        </Description>
        <!--Optional:-->
        <!--Status>?</Status-->
      </AgreementQueryParameters>
    </dow:getAgreementCount>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getAgreementCountResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementCountResult	AgreementCountResult	0..1	See AgreementCountResult.

XML Example

The following XML fragment illustrates a successful **getAgreementCountResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:getAgreementCountResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <AgreementCountResult>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Count>26</Count>
        </ResponseData>
      </AgreementCountResult>
    </p707:getAgreementCountResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getAgreementQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementQueryParameters	AgreementQueryParameters	0..1	See AgreementQueryParameters.

XML Example

The following XML fragment illustrates a **getAgreementQuery** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
```

XML Example

```
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:getAgreementQuery>
      <!--Optional:-->
      <AgreementQueryParameters>
        <!--Optional:-->
        <Description>
          <value>AS-TEST</value>
          <searchType>STARTS_WITH</searchType>
        </Description>
        <!--Optional:-->
        <!--Status></Status-->
      </AgreementQueryParameters>
    </dow:getAgreementQuery>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getAgreementQueryResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementQueryResults	AgreementQueryResults	0..1	See AgreementQueryResults.

XML Example

The following XML fragment illustrates a successful **getAgreementQueryResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:getAgreementQueryResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <AgreementQueryResults>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Agreement>
            <Description>AS-TESTAGREEMENT-02</Description>
            <Content>TEXT CONTENT</Content>
          </Agreement>
          <Agreement>
            <Description>AS-TESTAGREEMENT-01</Description>
            <Content>TEST CONTENT</Content>
          </Agreement>
          <Agreement>
```

XML Example

```
            <Description>AS-TESTAGREEMENT</Description>
            <Content>TEST CONTENT</Content>
          </Agreement>
        </ResponseData>
      </AgreementQueryResults>
    </p707:getAgreementQueryResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getDownloadPackageCount

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageQueryParameters	DownloadPackageQueryParameters	0..1	See DownloadPackageQueryParameters.

XML Example

The following XML fragment illustrates a **getDownloadPackageCount** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header>
      <!--nsAuthn:authnHeader>
        <nsAuthn:id>aarthishyam20@gmail.com</nsAuthn:id>
 <nsAuthn:token>6mcNlaN7M2ecdMw4qsBTYsYzBgXqwdlGwFoPEKAf6CJDvMbTje_NlWGHxU6TDo9PTzKZzsSx1zNzNQtE55KbQMhdA
_MYA6MYygMrzlV1pJGzZScwBSC9Dr6TBoUF5P3EJg</nsAuthn:token>
        </nsAuthn:authnHeader-->
  </soapenv:Header>
  <soapenv:Body>
    <dow:getDownloadPackageCount>
      <DownloadPackageQueryParameters>
        <DownloadPackageID>
          <value>AS_DP_09</value>
          <searchType>EQUALS</searchType>
        </DownloadPackageID>
        <!--Description>
          <value>?</value>
          <searchType>?</searchType>
        </Description>
        <Version>?</Version>
        <CreationDateStart>?</CreationDateStart>
        <CreationDateEnd>?</CreationDateEnd>
        <Availability>CURRENT</Availability-->
      </DownloadPackageQueryParameters>
    </dow:getDownloadPackageCount>
  </soapenv:Body>
```

XML Example

```
</soapenv:Envelope>
```

Element: getDownloadPackageCountResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageCountResult	DownloadPackageCountResult	0..1	See DownloadPackageCountResult.

XML Example

The following XML fragment illustrates a successful **getDownloadPackageCountResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p293566130:getDownloadPackageCountResponse
     xmlns:p293566130="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <DownloadPackageCountResult>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Count>1</Count>
        </ResponseData>
      </DownloadPackageCountResult>
    </p293566130:getDownloadPackageCountResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getDownloadPackageInProductCount

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageInProductQueryParameters	DownloadPackageInProductQueryParameters	0..1	

Element: getDownloadPackageInProductCountResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageInProductCountResult	DownloadPackageInProductCountResult	0..1	

Element: getDownloadPackageInProductQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageInProductQueryParameters	DownloadPackageInProductQueryParameters	1..1	
PageNumber	integer	1..1	
BatchSize	integer	1..1	
ReturnContainedObjects	boolean	1..1	Whether or not to include the contained objects in the response. TRUE or FALSE.

Element: getDownloadPackageInProductQueryResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageInProductQueryResults	DownloadPackageInProductQueryResults	0..1	

Element: getDownloadPackageQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageQueryParameters	DownloadPackageQueryParameters	1..1	See DownloadPackageQueryParameters.
PageNumber	integer	1..1	Required. Starts at 1. Say the **getDownloadPackageQuery** operation using the same query parameters returns 100 records. If the batch size is 50 records and you want the second batch of 50, set pageNumber to 2.
BatchSize	integer	1..1	Required. Maximum number of records to return in the response.
ReturnContainedObjects	boolean	1..1	Whether or not to include the contained objects in the response. TRUE or FALSE.

XML Example

The following XML fragment illustrates a **getDownloadPackageQuery** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:getDownloadPackageQuery>
      <DownloadPackageQueryParameters>
        <DownloadPackageID>
          <value>AS_DP</value>
          <searchType>CONTAINS</searchType>
```

XML Example

```
          </DownloadPackageID>
          <Description>
            <value>AS_DP_09</value>
            <searchType>EQUALS</searchType>
          </Description>
          <!--Version>?</Version>
          <CreationDateStart>?</CreationDateStart>
          <CreationDateEnd>?</CreationDateEnd>
          <Availability>?</Availability-->
        </DownloadPackageQueryParameters>
        <PageNumber>1</PageNumber>
        <BatchSize>10</BatchSize>
        <ReturnContainedObjects>1</ReturnContainedObjects>
      </dow:getDownloadPackageQuery>
    </soapenv:Body>
  </soapenv:Envelope>
```

Element: getDownloadPackageQueryResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageQueryResults	DownloadPackageQueryResults	0..1	See DownloadPackageQueryResults.

XML Example

The following XML fragment illustrates a successful **getDownloadPackageQueryResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p293566130:getDownloadPackageCountResponse
     xmlns:p293566130="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <DownloadPackageCountResult>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Count>1</Count>
        </ResponseData>
      </DownloadPackageCountResult>
    </p293566130:getDownloadPackageCountResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getManufacturerCount

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerQueryParameters	ManufacturerQueryParameters	0..1	See ManufacturerQueryParameters.

XML Example

The following XML fragment illustrates a **getManufacturerCount** message.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:getManufacturerCount>
      <!--Optional:-->
      <ManufacturerQueryParameters>
        <!--Optional:-->
        <ManufacturerID>
          <value>AS-FLE</value>
          <searchType>CONTAINS</searchType>
        </ManufacturerID>
        <!--Optional:-->
        <Name>
          <value>AS-FLE</value>
          <searchType>CONTAINS</searchType>
        </Name>
        <!--Optional:-->
        <Status>INACTIVE</Status>
      </ManufacturerQueryParameters>
    </dow:getManufacturerCount>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getManufacturerCountResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	

Content Model

Component	Type	Occurs	Description
ManufacturerCountResult	ManufacturerCountResult	0..1	See ManufacturerCountResult.

XML Example

The following XML fragment illustrates a successful **getManufacturerCountResponse** message.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:getManufacturerCountResponse
     xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ManufacturerCountResult>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Count>1</Count>
        </ResponseData>
      </ManufacturerCountResult>
    </p707:getManufacturerCountResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getManufacturerQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerQueryParameters	ManufacturerQueryParameters	0..1	See ManufacturerQueryParameters.

XML Example

The following XML fragment illustrates a **getManufacturerQuery** message.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:getManufacturerQuery>
      <!--Optional:-->
```

XML Example

```
      <ManufacturerQueryParameters>
        <!--Optional:-->
        <ManufacturerID>
          <value>BOC_ManufacturerID_201504</value>
          <searchType>STARTS_WITH</searchType>
        </ManufacturerID>
        <!--Optional:-->
        <Name>
          <value>BOC Manufacturer201504</value>
          <searchType>CONTAINS</searchType>
        </Name>
        <!--Optional:-->
        <Status>ACTIVE</Status>
      </ManufacturerQueryParameters>
    </dow:getManufacturerQuery>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: getManufacturerQueryResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerQueryResults	ManufacturerQueryResults	0..1	See ManufacturerQueryResults.

XML Example

The following XML fragment illustrates a successful **getManufacturerQueryResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:getManufacturerQueryResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ManufacturerQueryResults>
        <QueryResult xsi:nil="true"/>
        <ResponseData>
          <Manufacturer>
            <ManufacturerID>BOC_ManufacturerID_20150402T103835039</ManufacturerID>
            <Name>BOC Manufacturer20150402T103835040</Name>
            <Status>ACTIVE</Status>
          </Manufacturer>
          <Manufacturer>
            <ManufacturerID>BOC_ManufacturerID_20150402T104441302</ManufacturerID>
            <Name>BOC Manufacturer20150402T104441302</Name>
            <Status>ACTIVE</Status>
          </Manufacturer>
```

XML Example


```
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150403T093144402</ManufacturerID>
          <Name>BOC Manufacturer20150403T093144402</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150403T094545356</ManufacturerID>
          <Name>BOC Manufacturer20150403T094545356</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150404T093147624</ManufacturerID>
          <Name>BOC Manufacturer20150404T093147624</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150404T094546150</ManufacturerID>
          <Name>BOC Manufacturer20150404T094546150</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150405T093200466</ManufacturerID>
          <Name>BOC Manufacturer20150405T093200466</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150405T094559321</ManufacturerID>
          <Name>BOC Manufacturer20150405T094559321</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150406T093203294</ManufacturerID>
          <Name>BOC Manufacturer20150406T093203295</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150406T094601734</ManufacturerID>
          <Name>BOC Manufacturer20150406T094601734</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <Manufacturer>
          <ManufacturerID>BOC_ManufacturerID_20150406T103128722</ManufacturerID>
          <Name>BOC Manufacturer20150406T103128722</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
      </ResponseData>
    </ManufacturerQueryResults>
  </p707:getManufacturerQueryResponse>
 </soapenv:Body>
</soapenv:Envelope>
```


Element: getMultipleDownloadPackagesCount

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Content Model

Component	Type	Occurs	Description
SEQUENCE		1..1	
MultipleDownloadPackagesQueryParameters	MultipleDownloadPackagesQueryParameters	0..1	

Element: getMultipleDownloadPackagesCountResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageCountResult	DownloadPackageCountResult	0..1	

Element: getMultipleDownloadPackagesQuery

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
MultipleDownloadPackagesQueryParameters	MultipleDownloadPackagesQueryParameters	1..1	
SortBys	DownloadPackageSortBys	1..1	
PageNumber	integer	1..1	
BatchSize	integer	1..1	
ReturnContainedObjects	boolean	1..1	

Element: getMultipleDownloadPackagesQueryResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
MultipleDownloadPackagesQueryResults	MultipleDownloadPackagesQueryResults	0..1	

Element: MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesCount]

Derived By

Type MultipleDownloadPackagesQueryParameters

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	0..*	
DownloadPackageDescription	SimpleQueryType	0..1	
DownloadPackageVersion	string	0..1	
CreationDateStart	date	0..1	
CreationDateEnd	date	0..1	
Availability	AvailabilityType	0..1	

Referenced By

Name	Type
getMultipleDownloadPackagesCount	Element
getMultipleDownloadPackagesCount	Method

Definition

See getMultipleDownloadPackagesCount

Element: MultipleDownloadPackagesQueryParameters [element getMultipleDownloadPackagesQuery]

Derived By

Type MultipleDownloadPackagesQueryParameters

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageID	string	0..*	
DownloadPackageDescription	SimpleQueryType	0..1	
DownloadPackageVersion	string	0..1	
CreationDateStart	date	0..1	
CreationDateEnd	date	0..1	
Availability	AvailabilityType	0..1	

Referenced By

Name	Type
getMultipleDownloadPackagesQuery	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQuery

Element: MultipleDownloadPackagesQueryResults [element getMultipleDownloadPackagesQueryResponse]

Derived By

Type MultipleDownloadPackagesQueryResults

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
QueryResult	QueryResult	1..1	
ResponseData	MultipleDownloadPackagesQueryResponseDataType	0..1	

Referenced By

Name	Type
getMultipleDownloadPackagesQueryResponse	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQueryResponse

Element: PageNumber [element getDownloadPackageInProductQuery]

Derived By

Type integer

Referenced By

Name	Type
getDownloadPackageInProductQuery	Element
getDownloadPackageInProductQuery	Method

Definition

See getDownloadPackageInProductQuery

Element: PageNumber [element getMultipleDownloadPackagesQuery]

Derived By

Type integer

Referenced By

Name	Type
getMultipleDownloadPackagesQuery	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQuery

Element: Product [type DownloadPackageResult]

Description

See ProductIDType.

Derived By

Type ProductIDType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductName	string	1..1	Name of the product.
ProductVersion	string	1..1	Version of the product.

Referenced By

Name	Type
DownloadPackageResult	Complex Type

Definition

See DownloadPackageResult

Element: ProductName [type DownloadPackageInProductQueryParameters]

Description

Product name.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageInProductQueryParameters	Complex Type

Definition

See DownloadPackageInProductQueryParameters

Element: ProductVersion [type DownloadPackageInProductQueryParameters]

Description

Product version.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageInProductQueryParameters	Complex Type

Definition

See DownloadPackageInProductQueryParameters

Element: QueryResult [type DownloadPackageInProductCountResult]

Description

See QueryResult.

Derived By

Type QueryResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Successful	boolean	1..1	TRUE or FALSE
ProcessedTime	dateTime	1..1	Date and time query processed.
QueryError	QueryError	0..*	See QueryError.

Referenced By

Name	Type
DownloadPackageInProductCountResult	Complex Type

Definition

See DownloadPackageInProductCountResult

Element: QueryResult [type DownloadPackageInProductQueryResults]

Description

See QueryResult.

Derived By

Type QueryResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Successful	boolean	1..1	TRUE or FALSE
ProcessedTime	dateTime	1..1	Date and time query processed.
QueryError	QueryError	0..*	See QueryError.

Referenced By

Name	Type
DownloadPackageInProductQueryResults	Complex Type

Definition

See DownloadPackageInProductQueryResults

Element: QueryResult [type MultipleDownloadPackagesQueryResults]

Derived By

Type QueryResult

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Successful	boolean	1..1	TRUE or FALSE
ProcessedTime	dateTime	1..1	Date and time query processed.
QueryError	QueryError	0..*	See QueryError.

Referenced By

Name	Type
MultipleDownloadPackagesQueryResults	Complex Type

Definition

See MultipleDownloadPackagesQueryResults

Element: removeDownloadPackageFromProduct

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Product	ProductIDType	1..1	See ProductIDType.

Content Model

Component	Type	Occurs	Description
DownloadPackage	DownloadPackageIDType	1..1	See DownloadPackageIDType.

XML Example

The following XML fragment illustrates a **removeDownloadPackageFromProduct** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:removeDownloadPackageFromProduct>
      <Product>
        <ProductName>AS-ESDProduct-011401</ProductName>
        <ProductVersion>1.0</ProductVersion>
      </Product>
      <DownloadPackage>
        <DownloadPackageID>AS_DP_09</DownloadPackageID>
      </DownloadPackage>
    </dow:removeDownloadPackageFromProduct>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: removeDownloadPackageFromProductResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ProductDisassociationResult	ProductDisassociationResult	1..1	See ProductDisassociationResult.

XML Example

The following XML fragment illustrates a successful **removeDownloadPackageFromProductResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p293566130:removeDownloadPackageFromProductResponse
     xmlns:p293566130="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ProductDisassociationResult>
        <TransactionResult>
```

XML Example

```
        <TransactionID>2171681993</TransactionID>
        <TransactionStatus>SUCCESS</TransactionStatus>
        <ProcessedTime>2016-04-15T18:39:08.624Z</ProcessedTime>
      </TransactionResult>
      <Product>
        <ProductName>AS-ESDProduct-011401</ProductName>
        <ProductVersion>1.0</ProductVersion>
      </Product>
      <DownloadPackage>
        <DownloadPackageID>AS_DP_09</DownloadPackageID>
      </DownloadPackage>
    </ProductDisassociationResult>
  </p293566130:removeDownloadPackageFromProductResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

Element: ResponseData [type DownloadPackageInProductCountResult]

Description

See CountResponseDataType.

Derived By

Type CountResponseDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Count	integer	1..1	The number of results.

Referenced By

Name	Type
DownloadPackageInProductCountResult	Complex Type

Definition

See DownloadPackageInProductCountResult

Element: ResponseData [type DownloadPackageInProductQueryResults]

Description

See DownloadPackageInProductQueryResponseDataType.

Derived By

Type DownloadPackageInProductQueryResponseDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageResult	DownloadPackageResult	0..*	Download package.

Referenced By

Name	Type
DownloadPackageInProductQueryResults	Complex Type

Definition

See DownloadPackageInProductQueryResults

Element: ResponseData [type MultipleDownloadPackagesQueryResults]

Derived By

Type MultipleDownloadPackagesQueryResponseDataType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageResult	DownloadPackageResult	0..*	

Referenced By

Name	Type
MultipleDownloadPackagesQueryResults	Complex Type

Definition

See MultipleDownloadPackagesQueryResults

Element: RestrictCode [type DownloadPackage]

Description

Restrict download package functionality. Values are A=Allow, D=Deny, N=empty string (not currently restricted).

Derived By

Type string

Referenced By

Name	Type
DownloadPackage	Complex Type

Definition

See DownloadPackage

Element: ReturnContainedObjects [element getDownloadPackageInProductQuery]

Description

Whether or not to include the contained objects in the response. TRUE or FALSE.

Derived By

Type boolean

Referenced By

Name	Type
getDownloadPackageInProductQuery	Element
getDownloadPackageInProductQuery	Method

Definition

See getDownloadPackageInProductQuery

Element: ReturnContainedObjects [element getMultipleDownloadPackagesQuery]

Derived By

Type boolean

Referenced By

Name	Type
getMultipleDownloadPackagesQuery	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQuery

Element: SortBy [type DownloadPackageSortBys]

Derived By

Type DownloadPackageSortBy

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
SortKey	DownloadPackageSortKey	1..1	
Ascending	boolean	1..1	

Referenced By

Name	Type
DownloadPackageSortBys	Complex Type

Definition

See DownloadPackageSortBys

Element: SortBys [element getMultipleDownloadPackagesQuery]

Derived By

Type DownloadPackageSortBys

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
SortBy	DownloadPackageSortBy	1..1	

Referenced By

Name	Type
getMultipleDownloadPackagesQuery	Element
getMultipleDownloadPackagesQuery	Method

Definition

See getMultipleDownloadPackagesQuery

Element: SortKey [type DownloadPackageSortBy]

Derived By

Type DownloadPackageSortKey

Enumeration

Value	Description
DOWNLOADPACKAGE_ID	
DESCRIPTION	

Referenced By

Name	Type
DownloadPackageSortBy	Complex Type

Definition

See DownloadPackageSortBy

Element: SortOrder [type DownloadPackageSortOrderType]

Description

Download package file sort order.

Derived By

Type string

Referenced By

Name	Type
DownloadPackageSortOrderType	Complex Type

Definition

See DownloadPackageSortOrderType

Element: updateAgreement

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Agreement	Agreement	1..1	See Agreement.
OriginalDescription	string	1..1	Used to "Reidentify" an agreement from "OriginalDescription" value to new "Description" value.

XML Example

The following XML fragment illustrates an **updateAgreement** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:updateAgreement>
      <Agreement>
        <Description>AS-TESTAGREEMENT-02</Description>
        <!--Optional:-->
        <Content>TEXT CONTENT</Content>
      </Agreement>
      <OriginalDescription>AS-TESTAGREEMENT-01</OriginalDescription>
    </dow:updateAgreement>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: updateAgreementResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
AgreementTransaction Result	AgreementTransactionResult	1..1	See AgreementTransactionResult.

XML Example

The following XML fragment illustrates a successful **updateAgreementResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:updateAgreementResponse xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <AgreementTransactionResult>
        <TransactionResult>
          <TransactionID>2291487167</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-02-22T17:56:21.399Z</ProcessedTime>
        </TransactionResult>
        <Agreement>
          <Description>AS-TESTAGREEMENT-02</Description>
          <Content>TEXT CONTENT</Content>
        </Agreement>
      </AgreementTransactionResult>
    </p707:updateAgreementResponse>
  </soapenv:Body>
```

XML Example

```
</soapenv:Envelope>
```

Element: updateDownloadPackage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackage	DownloadPackage	1..1	See DownloadPackage.

XML Example

The following XML fragment illustrates an **updateDownloadPackage** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:updateDownloadPackage>
      <DownloadPackage>
        <DownloadPackageID>AS-DP-031802</DownloadPackageID>
        <Description>AS Download Package 031802 - Updated</Description>
        <Version>2016R2</Version>
        <EffectiveDate>2016-03-18</EffectiveDate>
        <ExpirationDate>2016-12-31</ExpirationDate>
        <ArchiveDate>2017-01-01</ArchiveDate>
        <SortGroup>2016Releases</SortGroup>
 <ExtendedDescription>Extended Description in English for AS Download Package 031801</ExtendedDescription>
        <ExportComplianceClassification>
          <NLR>F</NLR>
          <ECCNCode>5D002</ECCNCode>
          <ENCCode>NON_RETAIL</ENCCode>
          <CCATSCode>Z123456</CCATSCode>
        </ExportComplianceClassification>
        <Manufacturer>
          <ManufacturerID>FlexeraInternal</ManufacturerID>
          <Name>FLEXERA1INTERNAL</Name>
          <Status>ACTIVE</Status>
        </Manufacturer>
        <ProductLine>
          <ProductLineID>ESD</ProductLineID>
          <Name>ESD</Name>
        </ProductLine>
        <EndUserLicenseAgreement>
          <Description>FLEXERAQAAgreement</Description>
        </EndUserLicenseAgreement>
        <DownloadPackageNote>AVAILABLE FOR DOWNLOAD</DownloadPackageNote>
        <PhysicalDistributionAvailable>0</PhysicalDistributionAvailable>
        <AttributeDescriptor>
          <AttributeName>PACKAGE-TYPE</AttributeName>
```

XML Example

```
            <StringValue>ESD</StringValue>
          </AttributeDescriptor>
          <AlternateLanguage>
            <Language>zh</Language>
            <Description>DESCRIPTION IN CHINESE</Description>
            <ExtendedDescription>EXTENDED DESCRIPTION IN CHINESE</ExtendedDescription>
            <DownloadPackageNote>AVAILABLE FOR DOWNLOAD IN CHINESE</DownloadPackageNote>
          </AlternateLanguage>
        </DownloadPackage>
      </dow:updateDownloadPackage>
    </soapenv:Body>
  </soapenv:Envelope>
```

Element: updateDownloadPackageResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
DownloadPackageTransactionResult	DownloadPackageTransactionResult	1..1	See DownloadPackageTransactionResult.

XML Example

The following XML fragment illustrates a successful **updateDownloadPackageResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p293566130:updateDownloadPackageResponse
     xmlns:p293566130="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <DownloadPackageTransactionResult>
        <TransactionResult>
          <TransactionID>2171679953</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-04-15T16:35:30.162Z</ProcessedTime>
        </TransactionResult>
        <DownloadPackage>
          <DownloadPackageID>AS-DP-031802</DownloadPackageID>
          <Description>AS Download Package 031802 - Updated</Description>
          <Version>2016R2</Version>
          <EffectiveDate>2016-03-18</EffectiveDate>
          <ExpirationDate>2016-12-31</ExpirationDate>
          <ArchiveDate>2017-01-01</ArchiveDate>
          <SortGroup>2016Releases</SortGroup>
<ExtendedDescription>Extended Description in English for AS Download Package 031801</ExtendedDescription>
          <ExportComplianceClassification>
```

XML Example


```
            <NLR>No</NLR>
            <ECCNCode>5D002</ECCNCode>
            <ENCCode>NON_RETAIL</ENCCode>
            <CCATSCode>Z123456</CCATSCode>
          </ExportComplianceClassification>
          <Manufacturer>
            <ManufacturerID>FlexeraInternal</ManufacturerID>
            <Name xsi:nil="true"/>
          </Manufacturer>
          <ProductLine>
            <ProductLineID>ESD</ProductLineID>
          </ProductLine>
          <EndUserLicenseAgreement>
            <Description xsi:nil="true"/>
          </EndUserLicenseAgreement>
          <EvaluationEndUserLicenseAgreement>
            <Description xsi:nil="true"/>
          </EvaluationEndUserLicenseAgreement>
          <DownloadPackageNote>AVAILABLE FOR DOWNLOAD</DownloadPackageNote>
          <PhysicalDistributionAvailable>0</PhysicalDistributionAvailable>
          <AttributeDescriptor>
            <AttributeName>PACKAGE-TYPE</AttributeName>
            <StringValue>ESD</StringValue>
          </AttributeDescriptor>
          <AlternateLanguage>
            <Language>zh</Language>
            <Description>DESCRIPTION IN CHINESE</Description>
            <ExtendedDescription>EXTENDED DESCRIPTION IN CHINESE</ExtendedDescription>
            <DownloadPackageNote>AVAILABLE FOR DOWNLOAD IN CHINESE</DownloadPackageNote>
          </AlternateLanguage>
        </DownloadPackage>
      </DownloadPackageTransactionResult>
    </p293566130:updateDownloadPackageResponse>
  </soapenv:Body>
</soapenv:Envelope>
```


Element: updateManufacturer

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Manufacturer	Manufacturer	1..1	See Manufacturer.

XML Example

The following XML fragment illustrates an **updateManufacturer** message:


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:dow="http://v1.producersuite.flexerasoftware.com/DownloadPackagingService/"
```

XML Example

```
xmlns:nsAuthn="http:/common.handler.flexerasoftware.com/authn">
  <soapenv:Header/>
  <soapenv:Body>
    <dow:updateManufacturer>
      <Manufacturer>
        <ManufacturerID>AS-FLEXERAQA</ManufacturerID>
        <Name>AS-FLEXERAQA</Name>
        <!--Optional:-->
        <Status>INACTIVE</Status>
      </Manufacturer>
    </dow:updateManufacturer>
  </soapenv:Body></soapenv:Envelope>
```

Element: updateManufacturerResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ManufacturerTransactionResult	ManufacturerTransactionResult	1..1	See ManufacturerTransactionResult.

XML Example

The following XML fragment illustrates a successful **updateManufacturerResponse** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Header/>
  <soapenv:Body>
    <p707:updateManufacturerResponse
     xmlns:p707="http://v2016R1.producersuite.flexerasoftware.com/DownloadPackagingService/">
      <ManufacturerTransactionResult>
        <TransactionResult>
          <TransactionID>2281494697</TransactionID>
          <TransactionStatus>SUCCESS</TransactionStatus>
          <ProcessedTime>2016-02-18T02:21:01.290Z</ProcessedTime>
        </TransactionResult>
        <Manufacturer>
          <ManufacturerID>AS-FLEXERAQA</ManufacturerID>
          <Name>AS-FLEXERAQA</Name>
          <Status>INACTIVE</Status>
        </Manufacturer>
      </ManufacturerTransactionResult>
    </p707:updateManufacturerResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

UsageService Web Service

Description

Web service to retrieve real-time, reconciled usage data for an organization.

Introduction

The SOAP-based Usage web service enables producers to retrieve the end-user's product line, meter, unit of measure, actual use, entitled quantity, overage since statement, overage since reset, percentage, interval/reset, and time period.

Methods: UsageService

Methods

Name	Description
getUsage	The getUsage operation returns the end-user's product line, meter, unit of measure, actual use, entitled quantity, overage since statement, overage since reset, percentage, interval/reset, and time period.

Method: getUsage

Description

The getUsage operation returns the end-user's product line, meter, unit of measure, actual use, entitled quantity, overage since statement, overage since reset, percentage, interval/reset, and time period.

Parameters

Name	Type	Direction	Description
request	anyType	Input	Generate a request for usage data.

Returns

A GetUsageResponse element having the structure defined by the following table.

Name	Type	Description
statusInfo	StatusInfo	See StatusInfo.
usages	Usage	See Usage.

Complex Types: UsageService

Complex Types

Name
Period
StatusInfo
Usage

Complex Type: Period

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
startDate	string	1..1	Beginning date of the statement period.
endDate	string	1..1	Ending date of the statement period.

Complex Type: StatusInfo

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
status	string	1..1	Returns one of the following: • SUCCESS • FAILURE
message	string	1..1	If successful, the number of usage statements being returned. If failure, a reason for the failure.

Complex Type: Usage

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
productLine	string	1..1	Product line (or category) that groups, classifies, and describes the product.
meter	string	1..1	The name of the meter (usually a feature name) for which usage date is being reported.
usageUnitName	string	1..1	Word used after displaying a quantity ("unit of measure") when displaying usage in Usage Reports UI and other reports. For example, bytes , kilobytes or gigabytes. Works with Scale to describe what metered feature is counting. This value is a String with a maximum length of 64 characters
usageSinceReset	double	1..1	Quantity of units used since the last reset.
entitled	double	1..1	Total quantity of units purchased.
overageSinceStatement	double	1..1	Quantity of units used in excess of the entitled amount in this statement period.
overageSinceReset	double	1..1	Quantity of units used in excess of the entitled amount since the last reset.
percentSinceReset	double	1..1	Percentage of units used since the last reset.
resetIntervalUnitName	string	1..1	Type of reset interval period unit (e.g. month, etc.).
resetInterval	long	1..1	Reset interval expressed in units.
period	Period	1..1	See Period.
entitledScaled	double	1..1	Entitled quantity (with scaling factor applied).
friendlyName	string	1..1	Display name of the feature
gracePeriod	long	1..1	Time allow for the grace period (in days).
gracePeriodUnitName	string	1..1	Name of the grace period unit.
overageSinceResetScaled	double	1..1	Overage since last reset (with scaling factor applied).
overageSinceStatementScaled	double	1..1	Overage since last statement (with scaling factor applied).
percentSinceStatement	double	1..1	Percentage of units used in this statement period.
reconciliationTimeZone	string	1..1	The time zone in which this statement was generated.

Content Model

Component	Type	Occurs	Description
scale	double	1..1	Divider used to take actual quantity used and convert to a smaller number for display purposes in the Usage Reports UI and other reports. For example, if Units are in bytes but you want to report usage in kilobytes, enter 1024 for Scale. This value is a String with a maximum length of 64 characters.
statementInterval	long	1..1	Periodic intervals in which statements are generated.
usageSinceResetScaled	double	1..1	Usage amount since last reset (with scaling factor applied).
usageSinceStatement	double	1..1	Quantity of units used in this statement period.

Elements: UsageService

Elements

Name	Description
GetUsageRequest	
GetUsageResponse	

Element: GetUsageRequest

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
orgName	string	1..1	Name of the end-user organization.

Referenced By

Name	Type
getUsage	Method

XML Example

The following XML fragment illustrates a **GetUsageRequest** message:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:urn="urn:com.macrovision:flexnet/operations">
  <soapenv:Header xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
                 <flex:UserId soapenv:actor="http://schemas.xmlsoap.org/soap/actor/next"
                  soapenv:mustUnderstand="0"
                  xmlns:flex="urn:com.macrovision:flexnet/platform">ADMNadmin</flex:UserId>
                 <flex:UserPassword soapenv:actor="http://schemas.xmlsoap.org/soap/actor/next"
                  soapenv:mustUnderstand="0"
                  xmlns:flex="urn:com.macrovision:flexnet/platform">YWRtaW4=</flex:UserPassword>
  </soapenv:Header>
  <soapenv:Body>
    <urn:GetUsageRequest>
      <urn:orgName>BarryPhoto</urn:orgName>
    </urn:GetUsageRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Element: GetUsageResponse

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
statusInfo	StatusInfo	1..1	See StatusInfo.
usages	Usage	1..*	See Usage.

Referenced By

Name	Type
getUsage	Method

XML Example

The following XML fragment illustrates a successful **GetUsageResponse** message:


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <GetUsageResponse xmlns="urn:com.macrovision:flexnet/operations">
      <statusInfoType>
        <status>SUCCESS</status>
        <reason>Number of usage statements: 2</reason>
      </statusInfoType>
      <usages>
        <productLine>Demos</productLine>
        <meter>FNEDemoFeature1</meter>
        <usageUnitName/>
        <usageSinceReset>5.0</usageSinceReset>
        <entitled>2000.0</entitled>
        <overageSinceStatement>0.0</overageSinceStatement>
        <overageSinceReset>0.0</overageSinceReset>
        <percentSinceReset>0.25</percentSinceReset>
        <resetIntervalUnitName/>
        <resetInterval>0</resetInterval>
        <period>
          <startDate>2016-04-11</startDate>
          <endDate>2016-05-11</endDate>
        </period>
        <entitledScaled>2000.0</entitledScaled>
        <friendlyName/>
        <gracePeriod>0</gracePeriod>
        <gracePeriodUnitName>Day</gracePeriodUnitName>
        <overageSinceResetScaled>0.0</overageSinceResetScaled>
        <overageSinceStatementScaled>0.0</overageSinceStatementScaled>
        <percentSinceStatement>0.0</percentSinceStatement>
        <reconciliationTimeZone>America/Los_Angeles</reconciliationTimeZone>
        <scale>1.0</scale>
        <statementInterval>1</statementInterval>
        <usageSinceResetScaled>5.0</usageSinceResetScaled>
        <usageSinceStatement>0.0</usageSinceStatement>
```

XML Example


```
        </usages>
        <usages>
          <productLine>Demos</productLine>
          <meter>FNEDemoFeature2</meter>
          <usageUnitName/>
          <usageSinceReset>9.0</usageSinceReset>
          <entitled>1000.0</entitled>
          <overageSinceStatement>0.0</overageSinceStatement>
          <overageSinceReset>0.0</overageSinceReset>
          <percentSinceReset>0.8999999999999999</percentSinceReset>
          <resetIntervalUnitName>Month</resetIntervalUnitName>
          <resetInterval>12</resetInterval>
          <period>
            <startDate>2016-03-01</startDate>
            <endDate>2016-06-01</endDate>
          </period>
          <entitledScaled>1000.0</entitledScaled>
          <friendlyName/>
          <gracePeriod>0</gracePeriod>
          <gracePeriodUnitName>Day</gracePeriodUnitName>
          <overageSinceResetScaled>0.0</overageSinceResetScaled>
          <overageSinceStatementScaled>0.0</overageSinceStatementScaled>
          <percentSinceStatement>0.8999999999999999</percentSinceStatement>
          <reconciliationTimeZone>America/Los_Angeles</reconciliationTimeZone>
          <scale>1.0</scale>
          <statementInterval>3</statementInterval>
          <usageSinceResetScaled>9.0</usageSinceResetScaled>
          <usageSinceStatement>9.0</usageSinceStatement>
        </usages>
      </GetUsageResponse>
    </soapenv:Body>
  </soapenv:Envelope>
```

ESD Web Service

Description

The Electronic Software Delivery Web Service has been replaced with the Download Packaging Service, and Flexera Software suggests that existing implementations be migrated to the newer service. Please contact Support if you have an Electronic Software Delivery implementation and you require documentation.

Introduction

Appendix A

Web Service Data Types with Choices

When you view FlexNet Operations web service interfaces through the URL **http://**, Axis–Java does not properly display choices in data types. Therefore, this appendix contains the proper schema definitions for the types that define choices. The following table shows the data types that offer choices for data types that are used in Web service requests. XML fragments illustrating the proper syntax follow the table.

Complex Type (with XSD File)	Description
attributeDescriptorType (commonTypes)	Specify one of several data types for the value of the named license model attribute.
entitlementDataType (commonEntitlementTypes)	Specify simple or bulk entitlement.
expirationTermsDataType (entitlementLifeCycleTypes)	Specify duration (integer and duration units) or an expiration date.
OrganizationQuery (OrganizationAdministration)	Specify either uniqueId or organizationId.
UserList (UserAdministration)	Specify either (FlexNet) users or domain users.

attributeDescriptorType

```
<xs:complexType name="attributeDescriptorType">
  <xs:sequence>
    <xs:element name="attributeName" type="xs:string"/>
    <xs:choice>
      <xs:element name="stringValue" type="xs:string" minOccurs="0"/>
      <xs:element name="dateValue" type="xs:date" minOccurs="0"/>
      <xs:element name="booleanValue" type="xs:boolean" minOccurs="0"/>
      <xs:element name="integerValue" type="xs:integer" minOccurs="0"/>
      <xs:element name="arrayValue" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

entitlementDataType

```
<xs:complexType name="entitlementDataType">
  <xs:choice>
    <xs:element name="simpleEntitlement" type="tns:simpleEntitlementDataType" minOccurs="0"/>
    <xs:element name="bulkEntitlement" type="tns:bulkEntitlementDataType" minOccurs="0" />
  </xs:choice>
</xs:complexType>
```

expirationTermsDataType

```
<xs:complexType name="expirationTermsDataType">
  <xs:choice>
    <xs:element name="term" type="tns:DurationType" minOccurs="0"/>
    <xs:element name="expirationDate" type="xs:date" minOccurs="0"/>
```

```
    </xs:choice>
  </xs:complexType>
```

OrganizationQuery

```
<xsd:complexType name="OrganizationQuery">
  <xsd:choice>
    <xsd:element ref="impl:uniqueId" />
    <xsd:element ref="impl:organizationId" />
  </xsd:choice>
</xsd:complexType>
```

UserList

```
<xsd:complexType name="UserList">
  <xsd:choice>
    <xsd:element name="users" type="impl:User" maxOccurs="unbounded"/>
    <xsd:element name="domainUsers" type="impl:DomainUser" maxOccurs="unbounded"/>
  </xsd:choice>
</xsd:complexType>
```

Appendix B

License Model Attributes

Name-value pairs are used to set license model attributes through the FlexNet Operations Web services. These parameters can be set using the Entitlement Order or License services, depending when in the license lifecycle the license model attributes are required.

Passing License Model Attributes

In an implementation that passes XML structures, the attributes are set:

```
<licenseModelAttributes>
  <attribute>
    <attributeName>SERIAL_NUMBER</attributeName>
    <stringValue>test_serial_number</stringValue>
  </attribute>
  <attribute>
    <attributeName>NOTICE</attributeName>
    <stringValue>test notice</stringValue>
  </attribute>
  <attribute>
    <attributeName>PLATFORMS</attributeName>
    <arrayValue>i86_n</arrayValue>
    <arrayValue>i86_l</arrayValue>
  </attribute>
</licenseModelAttributes>
```

License Model Attributes and Data Types

The following table contains a list of license model attribute names. See attributeDescriptorType in Web Service Data Types with Choices.

attributeName	Value Type	Description
ALLOW_ONE_TERMINAL_SERVER	booleanValue	Applicable to node-locked uncounted licenses. FlexNet Licensing detects when a node-locked uncounted license is running under Windows Terminal Server. To allow your FlexEnabled application to run via a single Terminal Server Client window, node-lock the license to the Terminal Server machine and set ALLOW_ONE_TERMINAL_SERVER to true. The ONE_TS_OK keyword is added to the license. To disable access via a Terminal Server Client, set both ALLOW_ONE_TERMINAL_SERVER and ALLOW_TERMINAL_SERVER to false.
ALLOW_TERMINAL_SERVER	booleanValue	Applicable to a FlexEnabled application built with FlexNet Licensing version 8.0 or later and using a node-locked uncounted license. FlexNet Licensing detects when a node-locked uncounted license is running under Windows Terminal Server. To allow your FlexEnabled application to run via a Terminal Server Client window, node-lock the license to the Terminal Server machine and set ALLOW_TERMINAL_SERVER to true. The TS_OK keyword is added to the license. To disable access via a Terminal Server Client, set both ALLOW_ONE_TERMINAL_SERVER and ALLOW_TERMINAL_SERVER to false.

attributeName	Value Type	Description
BORROW_HOURS	integerValue	Applicable to counted licenses. If borrowing is allowed, the maximum number of hours that the license can be borrowed for can be specified as the default (168 hours, or one week) or can be specified in the license model, the entitlement, or at fulfillment time. The BORROW keyword is added to the license. The maximum borrow period is limited by the maximum value of a 32-bit integer: 2 billion hours.
FLOAT_OK	stringValue *server_hostid*	To specify a FLOAT_OK keyword with a server_hostid. Also specify a FLEXid as a node-locked hostid. The server_hostid is the same hostid that appears on the SERVER line of the license file, or could be a different hostid that refers to the same machine. If the SERVER line hostid is ANY, the FLOAT_OK server_hostid should be specific to the license server machine. The license server can only be run on the machine with the hostid that lmhostid returns equal to the server_hostid specified with FLOAT_OK. A user can run on the license server machine, but he can use only the license being served by the license server, not the node-locked license. Otherwise an extra use for each FLOAT_OK license could occur. Note that without the server_hostid specified on the feature line, the FLOAT_OK license can be served from any computer, as long as the FLEXid is attached to it. The hostid on the FLOAT_OK feature line must be only a single hostid. For multiple FLEXids, use individual feature lines for each FLEXid.
HOST_BASED	integerValue	Applicable to counted licenses. Specify the number of host names that can be specified in INCLUDE statements in the end-user options file.
INCLUDE_USE_SERVER	booleanValue	USE_SERVER takes no arguments and has no impact on the server. When the application sees USE_SERVER, it ignores everything in the license file except preceding SERVER lines and transfers checkout validation to the vendor daemon. For uncounted features, USE_SERVER is used to force logging of usage by the daemons.
ISSUER	stringValue *issuer*	Issuer of the license.
NOTICE	stringValue *notice*	Notice string used to identify feature lines.
MAX_BORROW_INTERVAL	integerValue	For FlexNet Embeeded served licenses. Specifies the maximum borrow interval in seconds. If used, it overrides the default max borrow interval configured on the license server that is serving the license.
OVERDRAFT_MAX	integerValue	Applicable to counted licenses. The max overdraft setting allows a publisher to specify a number of additional licenses (per entitlement line item) which users are allowed to use, in addition to the licenses they have purchased. Overdraft allows your users to not be denied service when in a “temporary overdraft” state. Usage above the license limit is reported by the FlexNet Manager reporting tool. Expressed using the OVERDRAFT license keyword.

attributeName	Value Type	Description
PLATFORMS	arrayValue *platform_key*	Specify each platform in a separate arrayValue element. See **Platform Key Names** table below. Usage is limited to the selected platforms. Expressed using the PLATFORMS license keyword.
SERIAL_NUMBER	stringValue *serial_number*	Serial number used to identify feature lines. The SN keyword is added to the license.
USER_BASED	integerValue	Applicable to counted licenses. Specify the number of users that can be specified in INCLUDE statements in the end-user options file.
VENDOR_STRING	stringValue *vendor_string*	Vendor string used to identify feature lines.
VM_PLATFORMS	stringValue *vm_platforms*	To restrict to physical machines only, set VM_PLATFORMS to PHYSICAL. To restrict to virtual machines only, set VM_PLATFORMS to VM_ONLY.

Platform Key Names

The following table shows the key names of platform settings to pass in the PLATFORMS attribute.

Platform Key	Platform Name
alpha_l	Dec Alpha, Linux < version 6.2
alpha_n	Dec Alpha, Windows/NT
alpha_r	Dec Alpha, Linux version 6.2 or later
alpha_u	Dec UNIX for Alpha
alpha_v	Dec Alpha, OpenVMS version 6.x
amd64_s	AMD 64-bit, SUSE Linux Enterprise Server
hp700_u	HP 9000/700, 800, HP-UX
hp64_u	HP 64-bit, HP-UX
i86_b	BSDI OS
i86_d	DG AViiON Pentium
i86_f	FreeBSD
i86_g	Intel x86, Linux with GNU libc
i86_l	Intel x86, Linux version 1, version 2
i86_n	Intel x86, Windows (all)
i86_r	Intel x86, Red Hat Linux version 6-version 9
i86_re	Intel x86, Red Hat Enterprise Linux
i86_u	Intel x86, Unixware
i86_w	Intel x86, Windows 16-bit
i86_x	Intel x86, Solaris
i86_z	Intel x86, Netware
it32_hp	Itanium 32-bit, HP-UX

Platform Key	Platform Name
it64_hp	Itanium 64-bit, HP-UX
it64_lr	Itanium 64-bit, Red Hat Linux version 7-version 9
it64_n	Itanium 64-bit, Windows
java-0	Java, Version
nec_u	NEC EWS OS
ppc_mac	Power PC, MacOS X
ppc_u	Power PC, AIX
rm400_u	Siemens Nixdorf RM400, Sinux
rs6000_u	IBM RS/6000, AIX
rs64_u	IBM RS/6000 64-bit
sco_u	SCO UNIX (intel)
sgi32_u	SGI 32-bit, IRIX 5, 6
sgi64_u	SGI 64-bit, IRIX 6
sony_u	Sony BSD OS V4
sun4_u	Sun Sparc 4, Solaris
sun64_u	Sun 64-bit, Solaris
vax_v	Dec VAX/VMS

Appendix C

Client Security Credentials Class Source

FlexNet Operations Web services requires a client to provide credentials in the SOAP header or as BASIC HTTP user authentication. BASIC authentication encrypts the user and password with Base64 encoding and passes it as an HTTP request header parameter. For example:

Authorization: Basic QWxhghwelhijhrcGVuIHNlc2FtZQ==

FlexNet Operations also provides a ClientSecurityCredentials helper class as a convenience. The source of this class is included in this appendix and in FlexNetOperationsWebServices12_10_0.zip.

Listing of ClientSecurityCredentials.java:

```
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import org.apache.axis.client.Stub;
import org.apache.axis.encoding.Base64;
import org.apache.axis.message.SOAPHeaderElement;

import java.io.UnsupportedEncodingException;
import java.rmi.*;

import javax.xml.soap.Name;
import javax.xml.soap.SOAPException;
import javax.xml.soap.SOAPFactory;

/*
 * This class consist of convenient methods that allow to set
 * the user name and password (credentials) for the invoker of
 * the webservice operation. The user name/password can be set
 * in the client context (HTTP Authorization Header) or in the
 * SOAPHeader of the SOAPEnvelope.
 *
 *  User Name Syntax :
 *  ----------------------
 *  userName##domainName
 *       where userName --> name of user.
 *            domainName --> domain to which the user belongs.
 *       If domain is not provided, default domain (FLEXnet) is used.
 */

public class ClientSecurityCredentials {

   public static final String AUTH_SOAP_HEADER = "auth.soapHeader";
   public static final String nameSpace = "flex";
   public static final String nameSpaceURI = "urn:com.macrovision:flexnet/
                                    platform";

   private final static String CHAR_SET = "UTF-8";

   private Stub stub;
   private SOAPFactory soapFactory;

   /*
    * Allows setting user credentials in the client context (HTTP Authorization
    * Header).
    */

   public ClientSecurityCredentials(Remote service) {
      this.stub = (Stub)service;
```

```
    }

    /*
     * Allows setting user credentials in the SOAP Header.
     */
    public ClientSecurityCredentials(Remote service, String authType) throws
          SOAPException {
      this(service);
      if (AUTH_SOAP_HEADER.equals(authType)) {
        soapFactory = SOAPFactory.newInstance();
      }
    }

    /*
     * Set the user name in the client context (HTTP Authorization Header) or in
     * the SOAP Header, depending on the constructor used.
     */
    public void setUsername(String username) throws SOAPException {
      if (stub != null) {
        if(soapFactory != null) {
          this.setSoapHeader("UserId", username);
        }
        else {
          stub.setUsername(username);
        }
      }
    }



    /*
     * Set the password in the client context (HTTP Authorization Header) or in
     * the SOAP Header, depending on the constructor used.
     */
    public void setPassword(String password) throws SOAPException,
            UnsupportedEncodingException {

      if (stub != null) {
        if(soapFactory != null) {
          String encryptedPwd = Base64.encode(password.getBytes(CHAR_SET));
          this.setSoapHeader("UserPassword", encryptedPwd);
        }
        else {
          stub.setPassword(password);
        }
      }
    }

    /*
     *
     */
    private void setSoapHeader(String elementName, String value) throws
            SOAPException {
      Name nameElem = soapFactory.createName(elementName, nameSpace,
                nameSpaceURI);
      SOAPHeaderElement headerElem = new SOAPHeaderElement(nameElem);
      headerElem.addTextNode(value);
      this.stub.setHeader(headerElem);
    }
  }
```

Appendix D

Error Codes

FlexNet Operations error codes will allow a client to identify issues and take alternate actions in case of a failure. Each error message is generated in the format

<Error Code Identifier>: <Message>

The caller of the Web service can use the error code identifier in the message to determine the alternate logic to use in the event of a failure.

If FlexNet Operations is unable to determine a valid error code for an issue, the default code is used (9999). In such cases, you can correlate the Incident # from the error message and verify the log to determine the actual issue.

FlexNet Operations Error Codes

FlexNet Operations error codes are listed in the file FLEXnetOpsErrorMessagesCodes, located in the <ops_install_dir>\site\errorcodes. Callers of public Web service clients can use this file.

Error Code	Description
6001	attribute {0} is immutable: cannot be changed from {1} to {2}.
6002	Error occurred.
6003	A value for property {0} is required.
6004	Cannot deploy {0}: {1} is not deployed.
6005	Cannot create a new revision for {0}: status is {1}, a draft revision {2}.
6006	{0} cannot be moved from {1} state to {2} state.
6007	Count {2, number} is not valid for {0} in {1}.
6008	License Model {0} of {1} is not deployed.
6009	Component {0} with version {1}, license generator {2}, revision {3, number} is a duplicate.
6010	Unexpected property name(s) {0}.
6011	Attribute {0} is required in the definition of {1}.
6012	Attribute {0} is not searchable for entity {1}.
6013	Duration {0, number} is not valid.
6014	Cannot modify {0} of {1}: it is in state {2}, not {3}.
6015	Version format is one of: ({0},{1}) for {2}.
6016	{0} is required to be configured.
6017	Query returned > 1 result: expected 1. See log for details.
6018	Cannot add product {0} to suite. It is in inactive or obsolete state.
6019	{0} can be edited only in Draft state: it is in {1} state. If the system configuration to allow editing deployed entities is turned on, a few additional properties can be edited for deployed entities.
6020	Cannot delete {0}: other entities refer to it.

Error Code	Description
6021	Product {0} with version {1} is a duplicate.
6022	Cannot move state of {0} from {1} to {2}.
6023	Input parameter {0} of {1} cannot be null.
6025	Error occurred.
6026	Cannot redeploy {0}: it is obsolete.
6027	{0} state is not valid for feature.
6028	SKU {0} already exists in the database and refers to orderable {1} {2} of type {3} with option {4}.
6029	Cannot deploy {0}: other entities refer to it.
6030	Cannot delete {0}: it is in state {1}, not {2}.
6031	Feature {0} in component {1} is a duplicate.
6032	Computed duration will be negative: start date {0} is after end date {1}.
6033	Input duration units {0} are not supported. Must be one of DAY, WEEK, YEAR.
6034	License model {0} is not associated with licensed product {1}.
6035	Something bad happened while using Hibernate or the database.
6036	Attribute {0} of {1} should be greater than 0, is: {2, number}.
6037	Feature {0} is not contained in {1}.
6038	A license model with name {0} already exists: cannot create another one with the same name.
6039	Attribute {0} of {1} has un-configured value {2}.
6040	Container {0}'s license generator {1} does not match {2}'s license generator {3}.
6041	Duration units {0} are not valid: must be YEAR, MONTH, WEEK, OR DAY.
6042	Product {0} in suite {1} is inactive or obsolete.
6043	Cannot find entity of type {0} with ID {1}.
6044	{0} state is not valid for feature bundle.
6045	License Generator {0} is set for {1}: cannot be changed.
6046	Cannot redeploy {0}: a deployed revision exists.
6047	Licensed product {0} is not contained in {1}.
6048	{0} can be deleted only in draft or obsolete state: it is in {1} state.
6049	Unassigned SKU {0} already exists in the database.
6050	Product type must be one of {0, 1, 2}, is: {3}.
6051	Status {0} for {1} is not valid.
6052	Bundle {0} is not contained in {1}.
6053	Input parameter {0} of {1} cannot be null.
6054	Cannot create bundle {0}: another bundle with the same name already exists.
6055	Attribute {0} of {1} should be of length {2, number}, is of length {3, number}.
6056	Valid values are required for a multi-valued text attribute.
6057	The maximum allowable length for the trailer resource key is 128.
6058	Cannot save a license generator without setting the technology.

Error Code	Description
6059	Values for lifecycle policy are not valid. Value cannot be less than zero.
6060	Cannot change state of license technology {0}. It is used in deployed products.
6061	Cannot delete license technology {0}. It is used in products.
6062	Values for lifecycle policy are not valid. Value cannot be less than zero.
6063	Part number {0} is already mapped to a product.
6064	License model should belong to {0} technology.
6065	Cannot delete license generator {0}. It is used in products.
6066	Product is used in suites.
6067	Cannot add required attribute {1} to technology {0}. That technology is already deployed, so the required choice must be set to no.
6068	License technology with name {0} already exists.
6069	Products included in the suite should have the same license technology as the suite.
6070	Cannot set node-locked host ID policy on license model {0}. License model does not require a node-locked host.
6071	License technology {0} is used in deployed license models.
6072	Value for lifecycle policy duration is not valid.
6073	Cannot change state of license technology {0}. It is used in deployed license models.
6074	Cannot delete attribute as the associated license technology is deployed.
6075	There is no license generator {0} for the license technology {1}.
6076	Feature with name {0} and version {1} already exists.
6077	Cannot create since there are no license generators for technology {0}.
6078	Cannot set server host ID policy on license model {0}. License model does not require a server host.
6079	Cannot delete license generator {0}. It is used in suites.
6080	Length of description field, {0}, is more than the maximum allowable length 2000.
6081	Part number with name {0} already exists.
6082	Cannot save a license generator with no name.
6083	Cannot deploy {0}: it contains no Products.
6084	Cannot delete generator configuration as the associated license technology is deployed.
6085	License generator configuration should belong to {0} technology.
6086	License generator with name {0} already exists for the license technology {1}.
6087	{0} is used in one or more entitlements.
6088	{0} can be deleted only in Draft state: it is in {1} state.
6089	Custom Generator Service is required.
6090	{0} cannot be deleted.
6091	Not a valid host ID: {0}.
6092	{0} is used in one or more entitlements.
6093	Cannot deploy {0}: it has no license models.
6094	Not enough permissions for attempted operation.

Error Code	Description
6095	License technology {0} is not deployed.
6096	Cannot set redundant server policy on license model {0}. License model does not require a server host.
6097	Cannot find part number with name {0}.
6098	Custom generator service class should be defined.
6099	The license model name must not be blank.
6100	The maximum allowable length for the header resource key is 128.
6101	Cannot delete license technology {0}. It is used in suites.
6102	Cannot delete license technology {0}. It is used in deployed suites.
6103	Cannot change state of {0}: other entities refer to it.
6104	Cannot delete license technology {0}. It is used in license models.
6105	Cannot delete license technology {0}. It has license generators.
6106	License technology is immutable.
6107	Cannot save a license technology with no name.
6108	Cannot set extra activations policy on license model {0}. License model does not allow partial fulfillments.
6109	Cannot edit license generator {0} since it has fulfillments.
6110	Quantity should be a positive integer for {0}.
6111	Unable to delete transaction key. Some products or ASRs are referring this key.
6112	Cannot create more than 256 transaction key configurations.
6113	Unable to generate trusted ID. Perhaps another user has created a transaction key configuration at the same time. Please try again. If the error persists, inspect the log.
6114	Unable to generate trusted ID. Perhaps another user has created a transaction key configuration at the same time. Please try again. If the error persists, inspect the log.
6115	Key name cannot be blank.
6116	Not a valid key seed: {0}. Key seed value must contain 8 hex values.
6117	Only waiting requests can be deleted.
6118	Cannot create more than 256 transaction key configurations.
6119	Values for reinstall policy are not valid. Value cannot be less than zero.
6120	{0} is mapped to a trusted type license model {1}. It should be mapped to at least one of Default Transaction Key or Virtual Transaction Key.
6121	{0} is used in one or more entitlements.
6122	Unable to delete Transaction Key since the key is referred by some products.
6123	At least one of default transaction key and virtual transaction key is required for a deployed product or suite associated with trusted license models.
6124	All 8 key seeds need to be specified.
6125	Not a valid value for reinstall policy duration.
6126	At least one of default transaction key and virtual transaction key is required for a deployed product or suite associated with trusted license models.
6127	Unable to generate local trial-ID. Perhaps another user has created a local trial ID at the same time. Please try again. If the error persists, inspect the log.

Error Code	Description
6128	Not a valid key seed: {0}. Key seed value must contain 8 hex values.
6129	{0} is mapped to a trusted type license model {1}. It should be mapped to a transaction key.
6130	A transaction key configuration with the name: {0} already exists.
6131	Cannot create more than 256 local trial Anchors.
6132	No permission to delete the request {0}.
6133	All the 8 keys seeds need to be specified.
6134	Not allowed to delete seed user {0}.
6135	Publisher ID cannot be blank. Please check whether the system is configured with at least one activation settings publisher xml file or not.
6136	Not allowed to delete seed organization {0}.
6137	Not allowed to delete seed role {0}.
6138	License technology {0} not found.
6139	Specified value {1} is not valid for the custom attribute {0}. Specify a valid integer number.
6140	Cannot change the status of the seed user {0} to inactive.
6141	At least one license file definition should be set for {0}.
6143	Specify at least one attribute value.
6144	Please specify a file name generator class for {0}.
6145	Host type is needed for license technology {0}.
6146	Host Type should belong to {0} technology.
6147	Products included in the suite should belong to the same product category.
6148	Cannot set product category. It is not part of the user's org.
6149	Products included in the suite should have the same host type as the suite.
6150	Products included in a suite should have the same used on device setting as the suite.
6151	License model description cannot be greater than 2000 characters.
6152	A maintenance product cannot be linked to another maintenance product.
6153	Description cannot be greater than 2000 characters.
6154	Cannot change the product category since the product is used in suites.
6155	Relation type cannot be maintenance.
6156	Not enough permissions for attempted operation due to product category rules.
6157	A maintenance product can be linked only as a maintenance relationship.
6158	License model name is required.
6159	Products linked to non-FlexNet technologies cannot be used on devices.
6160	License model name cannot be greater than 64 characters.
6161	Cannot add feature {0}, {1} in a draft state to a deployed product.
6162	Cannot add feature {0}, {1} in a draft state to a deployed feature bundle.
6163	Cannot add product {0}, {1} in a draft state to a deployed suite.
6164	Cannot add feature bundle {0} in a draft state to a deployed product.
6165	{0} is used in one or more local trial ASRs.

Error Code	Description
6166	{0} is used in one or more short code ASRs.
6167	Length of ship to email field, {0}, is more than the maximum allowable length 1024.
6168	Product is used in license templates.
6169	Item is used in one or more license templates.
6170	Length of ship to address field, {0}, is more than the maximum allowable length 1000.
7001	In Entitlement {0} for {1}:{2}, license model cannot be changed from {3} to {4}.
7002	Failed to generate request, error code: {0}.
7003	Web register key {1} already refers to a bulk entitlement: it cannot be reassigned to {0}.
7004	The specified identifier is incomplete: {0}.
7005	Orderable {0} is not a uniform suite or licensed product.
7006	There exists a bulk entitlement with the same ESN. A bulk entitlement ESN can only refer to one product.
7007	Expiring entitlement has no expiration date.
7008	The product "{0}" cannot be linked to package model "{1}" unless all contained features have the same count.
7009	ASR version date does not match line item's version date.
7010	Orderable {0} is not a maintenance orderable.
7012	The package version "{0}" for product "{1}" is too long; it may be no more than 10 ASCII characters.
7013	Rehosts policy is not the same for line item {0} and line item {1}.
7014	Only deployed license models can be used in entitlements.
7015	The supplied count {0} is not valid; count must be greater than zero.
7016	Cannot locate ESN {0}.
7017	The feature bundle with name:{0} is not found.
7018	Cannot delete entitlement {0} with orderable {1}: fulfillments exist.
7019	Entitlement {0} for {1} does not contain licensed product {2}.
7020	Cannot uniquely identify entitlement associated with ID {0}.
7021	A Specification record with the name: {0} already exists.
7022	Cannot add ESN {0} to an entitlement not of type bulk.
7023	Start date is required.
7024	Entitlement ID {0} is same as existing line item ID.
7025	Cannot add ESNs to bulk entitlement {0}: its seat-count {1, number} is less than the total ESNs after import {2, number}.
7027	The product "{0}" could not be activated because it does not have a package name.
7028	Cannot define rehosts policy at entitlement time for the selected license model.
7029	Failed to process the trusted configuration due to the error: {0}.
7030	Entitlement {0} is a bulk transaction ID: cannot activate.
7031	Only deployed maintenance products can be used in entitlements.
7032	Not a valid fulfillment ID: {0}.

Error Code	Description
7033	Cannot move entitlement {0} to draft state. One or more its web register keys have been activated.
7034	Failed to process the trusted configuration due to the error: {0}.
7035	Unknown web register key: {0}.
7036	Esn {0} has ID {1}: cannot be changed to {2}.
7037	Version dates of line item {0} and line item {1} are not the same.
7038	The feature name "{0}" is not valid for FlexNet Licensing Technology; it must contain only ASCII letters, numbers, or '_' (underscore) with no white space.
7039	A transaction key configuration with the name: {0} already exists.
7041	ID {0} is already used as an entitlement ID, activation ID or a web register key. Cannot create another one.
7042	The license model for this request requires a server host ID but none was supplied.
7043	Repairs policy is not the same for line item {0} and line item {1}.
7044	Cannot add duplicate {0} named {1}.
7045	Returns policy is not the same for line item {0} and line item {1}.
7046	A start date is required.
7048	Esn {0} has created by {1}: cannot be changed to {2}.
7049	The specified Fulfillment ID: {0} is no more valid.
7050	Esn {0}: Cannot create an entitlement for orderable {1} of type maintenance.
7051	The specified bulk ESN is not valid: {0}.
7052	A node lock host ID "{0}" was supplied but the license model is not node locked.
7053	Esn {0} can refer to only one orderable.
7054	The requested count {0} exceeds the fulfilled amount {1}.
7056	The attribute {0} is not an array type.
7057	Bulk Entitlement {0} with orderable {1} has seat count {2, number}: cannot change it to {3, number}.
7059	Specified date format is not consistent with the FlexNet date format: e.x., 25-mar-2013. Incorrect date: {0}.
7060	Duplicate Activation ID {0}.
7061	Failed to sign the trusted configuration due to the error: {0}.
7062	The expiration date {0} should be more than the Start Date {1}.
7063	Short code activation must refer to a bulk entitlement.
7064	ASR expiration date does not match line item's expiration date.
7065	Product must be specified.
7066	Start date, {0}, cannot be after expiration date on {1}.
7067	No common license models are found.
7068	{0} is not a valid state for entitlements.
7069	Product {0} is not part of the entitlements for {1}.
7070	Please specify all the attributes.
7071	License model {0} is not valid for {1} on {2}.

Error Code	Description
7072	Product is required for {0}.
7073	Cannot activate web register key {0}, parent bulk entitlement {1} is not deployed.
7074	The specified product {0} does not have an association with a transaction key Configuration.
7075	SoldTo is required.
7076	Entitlement {0} for orderable {1} is not valid until {2}: cannot activate.
7077	Failed to extract details for request short code: {0}.
7078	Model: {0} does not support the specified concurrent counts.
7079	Licensed product or uniform suite is required.
7080	Number of copies cannot be negative for {0}.
7081	Failed to sign the trusted configuration due to the error: {0}.
7082	ASR product does not match line item's product.
7083	Cannot add bulk entitlement {0} to non-bulk ESN {1}.
7084	The property {0} was supplied a value "{1}" but is not expected for this request.
7085	License model is not set for {0}.
7086	Unable to create activation ASR contents due to error: {0}.
7087	License model attribute {0} is not set for {1}.
7088	Cannot create a bulk entitlement with multiple orderable.
7089	Model: {0} does not support the specified activation counts.
7090	Part number is required for {0}.
7091	A product entitlement can specify only one product.
7092	Bulk transaction ID {0} should have only one entitlement associated with it.
7093	Esn {0} can refer to only one orderable.
7094	Null value supplied for attribute {0}.
7095	The package name "{0}" for product "{1}" is too long; it may not be longer than 30 ASCII characters.
7096	Entitlement {0} with orderable {1} requires a Part Number.
7097	Incorrect request. Expecting {0}, but received request of type: {1}.
7098	License model {0} is not valid on {1}. All products in the entitlement line item should be linked to the license model.
7099	The attribute {0} has a configuration string {1} that is not valid.
7100	Permanent does not need a duration.
7101	Cannot move {0} to Inactive or Obsolete state, it contains some draft line items.
7102	Failed to perform the operation. See the failure response XML for more details.
7103	Esn {0} is inactive: cannot delete web register keys from it.
7105	Not a valid class for attribute name: {0}.
7106	Unknown status {1} for entitlement {0}. Must be one of {2}.
7107	Activation request can only contain one pair of counts; (Activation, Activation OD), (Concurrent, Concurrent OD), or (Hybrid, Hybrid OD).
7108	An unexpected error occurred during license generation, please inspect the log for more details.

Error Code	Description
7109	Not a valid activation ID: {0}.
7111	Esn {0} already refers to an entitlement orderable {1}.
7112	The product component with name:{0} version:{1} is not found.
7113	Esn {0} refers to two entitlements, one with sold to {1}, and another with sold to {2}].
7114	The specified license model: {0} is not valid.
7115	The attribute {0} is not a numeric type.
7116	License model attributes are not set for {0}.
7117	Entitlement {0} with orderable {1} is expiring: requires the definition of a duration or expiration date.
7118	Request is tampered, error code: {0}.
7119	License model: {0} is not a trusted license model.
7120	The product "{0}" could not be activated because it does not have a package version.
7121	Cannot delete entitlements.
7122	A server host ID "{0}" was supplied but the license model does not support a server.
7123	The specified Fulfillment ID: {0} is not valid.
7124	The requested count {0} exceeds the remaining available {1} for the entitlement.
7125	Extra activations is not the same for line item {0} and line item {1}.
7126	Entitlement {0} for orderable {1} is not active: cannot activate.
7127	Count is required and must be greater than 0.
7128	Cannot delete line item {0}, following line items refer to it: {1}.
7130	Cannot split count of {0} from entitlement: licensed product {1} has fulfillment amount {2}.
7131	Server activation is not allowed to activate entitlement line item: {0}. Make sure the license model is a server license model.
7132	Specified bulk entitlement ID: {0} is not valid.
7133	Line item needs duration or expiration date to be renewed.
7134	Licensed product {0} is not associated with license model {1}: cannot create an entitlement thus.
7135	Model: {0} does not support the specified hybrid, and/or concurrent counts.
7136	Specified date format is not consistent with the FLEX date format: e.x., 25-mar-2013. Incorrect date:{0}.
7138	The license model for this request requires a node lock host ID but none was supplied.
7139	Not a valid host ID: {0}.
7140	At least one email address is required to send the mail.
7141	Only deployed products can be used in entitlements.
7142	Unable to create the trusted configuration: {0}.
7143	Unable to create the Trusted configuration: {0}.
7144	Esn {0} has order ID {1}: cannot be changed to {2}.
7145	The version string "{0}" for feature "{1}" is too long; it may be no more than 10 ASCII characters.
7147	Entitlement {0} for orderable {1}: attribute {2} has a count that is not valid: {3, number}.
7150	Obsolete state is not valid for entitlements.
7151	The attribute name {0} is not valid.

Error Code	Description
7152	Unable to generate short code response code due to: {0}.
7153	Start dates of line item {0} and line item {1} are not the same.
7154	Maintenance line item {0} cannot be compared.
7155	Fulfillment ID is required.
7156	Product {0},{1},{2} is not part of this request.
7157	No ESN is assigned to entitlement {0}.
7158	Part number {0} is not valid for {1}.
7159	In Entitlement {0} for {1}: attribute validAfter is immutable.
7160	A common set of license models do not exist for the line items.
7161	Duration units or valid until is required.
7162	The package name "{0}" for product "{1}" is not valid; it must contain only ASCII letters, numbers, or '_' (underscore) with no white space.
7163	Order IDs of line item {0} and line item {1} are not the same.
7164	Esn {0} has sold to {1}: cannot be changed to {2}.
7165	Key ASR attributes such as product and model are missing.
7166	ASR part number does not match line item's part number.
7167	Version date is required for {0} on {1}.
7168	Esn {0} cannot be uniquely identified.
7169	{0} is mapped to a trusted type license model {1}. It should be mapped to at least one of Default transaction key or Virtual Transaction Key.
7170	Cannot add web register keys to cancelled entitlement {0}.
7171	License models of line item {0} and line item {1} are not the same.
7172	Orderable is not set on the parent line item.
7173	Esn {0} is not bulk: this is an illegal operation.
7174	Only deployed entitlement line item can be fulfilled.
7175	The specified ESN is not a bulk ESN: {0}.
7176	The attribute {0} could not be loaded from extended properties for {1}.
7177	License model attributes of line item {0} and line item {1} are not the same.
7178	Expiration dates of line item {0} and line item {1} are not the same.
7179	License model is not a trusted license model.
7180	For entitlement {0}:{1} cannot set owned by organization unit {2}: its root organization {3} is different from the sold to root organization {4}.
7181	Entitlement {0} with Orderable {1} cannot split count of {2, number} from entitlement with count of {3, number}.
7182	Required attribute {0} is missing.
7183	The product "{0}" must define a package name to be linked to model "{1}".
7184	Cannot define extra activations policy at entitlement time for the selected license model.
7185	The package version "{0}" for product "{1}" is not a valid FlexNet version: must be <number>.<number>.

Error Code	Description
7186	Entitlement {0} has a part number {1} that is not valid. The part number is not mapped to any products in the entitlement.
7187	Esn {0} cannot be deleted: it is not a web register key.
7188	Durations of line item {0} and line item {1} are not the same.
7189	Client activation is not allowed to activate: {0}. Check the license model to make sure a client can activate.
7190	Cannot change number of copies for inactive line item {0}.
7191	Cannot define repairs policy at entitlement time for the selected license model.
7192	The product feature with name:{0} is not found.
7193	Bulk entitlement {0} does not have short code ASR associated with request code: {1}.
7194	Duration or expiration date should be specified for {0}.
7195	Product or suite is not set for line item {0}.
7196	Entitlement {0} with orderable {1} is never valid. Valid after date: {2} is more than expiration date: {3}.
7197	States of line item {0} and line item {1} are not the same.
7198	Cannot move entitlement {0} to draft state. One or more its line items have been activated.
7199	Cannot renew permanent line item {0} with no version date.
7200	Orderable should be defined before setting the license model on entitlement line item.
7201	Generator defined validation for FLEXlm.
7202	A count was supplied ({0}) but the license model for this request is uncounted.
7203	Cannot activate bulk ESN.
7204	Duration is required.
7206	The specified product name:{0} version:{1} option name:{2} is not found.
7207	Cannot invoke {0} for entitlement {1}:orderable {2} of type suite.
7208	Only deployed line items can be renewed. Line item {0} is not deployed.
7209	Cannot define returns policy at entitlement time for the selected license model.
7210	Number of copies is not the same in line item {0} and line item {1}.
7211	Term type is required.
7212	The attribute {0} was not expected.
7213	The property {0} is required for this request and was not supplied.
7214	Activation request can only contain one pair of counts; (Activation, Activation OD), (Concurrent, Concurrent OD), or (Hybrid, Hybrid OD).
7215	The specified product does not have an association with a transaction key Configuration.
7216	One or more of the products in the entitlement {0} requires the definition of {2}.
7217	The model "{0}" cannot support a SUITE_RESERVED package specification unless client uniqueness is also specified.
7218	Esn {0} already exists, cannot create another one.
7219	Entitlement {0} with orderable {1} is cancelled: attribute {2} cannot be changed from {3} to {4}.
7220	The version string "{0}" for feature "{1}" is not a valid FlexNet version: must be <number>.<number>.
7221	Query for object {0} returned multiple references.

Error Code	Description
7222	Not a valid value for attribute {0}.
7223	Attribute {0} is immutable: cannot be changed from {1} to {2}.
7224	ASR license model does not match line item's license model.
7225	Error occurred while importing web register keys from file.
7226	License model is not a trusted license model.
7227	The web register key is missing in the entitlement ID.
7228	The specified ESN: {0} is already in the system.
7230	Missing the activations settings file: {0}. Expecting an activation settings file at the VCG location.
7231	License generator error: {0}.
7232	ASR duration does not match line item's duration.
7233	There is no deployed Orderable for Part Number "{0}".
7234	Some line items require version dates and others don't.
7235	The feature name "{0}" is too long for FlexNet Licensing Technology; it may not be longer than 30 ASCII characters.
7236	Version date duration is required for {0} on {1}.
7237	Multiple hosts cannot be selected as partial fulfillments are not allowed.
7238	Requested overdraft amount {0} exceeds remaining overdraft amount in the entitlement {1}.
7239	Request type should be upsell.
7240	The rehost of the fulfillment is denied by the rehost policy because {0}.
7241	Sold to Organization Unit is required. Please specify end customer information before saving entitlement.
7242	Version date option specified is not valid for a trusted license model.
7243	Line items having different server host ID policies cannot be activated together.
7244	No data records found.
7245	Request type {0} is not valid for an emergency license request.
7246	Overdraft count {0} is not valid.
7247	Please specify at least one node-locked host.
7248	The repair of the fulfillment is denied by the repair policy because {0}.
7249	Returned overdraft count {0} exceeds overdraft count in the fulfillment {1}.
7250	The entitlement is not mapped to the users portal account.
7251	Cannot set license model attributes for a {0} request.
7252	Line items belonging to different customer organizations cannot be activated together.
7253	Start date of line item {0} is not set.
7254	Line item {0} has a parent defined.
7255	Version date of line item {0} is not set.
7256	Start date cannot be set on {0} request.
7257	Repair operation is not allowed by {0} technology.
7258	Absolute expiration date is required for a local trial ASR.

Error Code	Description
7259	Specified license model Name {0} is not valid.
7260	Start date is required for a {0} request.
7261	Provide either duration or expiration date but not both.
7262	Sold to organization of the renewed line item should be the same as that of the parent line item.
7263	Sold to organization of the upsold line item should be the same as that of the parent line item.
7264	Request type {0} is not valid for a publisher error request.
7265	Failed to perform the operation.
7266	Line items having different hosts defined cannot be activated together.
7267	Duration specified for number of returns lifecycle policy is not valid.
7268	Not a valid Generator Validator Class {0}. This class should implement LicenseGeneratorValidator interface.
7269	Cannot change state of line item {0}. It has been activated.
7270	Cannot a remove line item in a {0} request.
7271	Cannot import fulfillments. Fulfillment with migration ID {0} already exists.
7272	Cannot define node-locked host ID policy at entitlement time for the selected license model.
7273	Selected file not found.
7274	Entitlement ID is required.
7275	No email address specified in the fulfillment record or no additional email addresses provided.
7276	Cannot create attribute {0} with no type. Please specify type.
7277	When logged in with entitlement ID, only that entitlement and it's line items can be viewed.
7278	Orderable of the renewed line item should be the same as that of the parent line item.
7279	This entitlement contains line items that in turn have child line items belonging to different entitlements. Proceeding with transfer may cause issues during fulfillment of these child line items.
7280	Version start date is required. Please provide a value.
7281	Activation ID {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`,},{,=,|.
7282	Overdraft count {0} is not allowed for this request as overdraft is either disabled or exceeded available overdraft count.
7283	Cannot map draft or inactive entitlement to portal user.
7284	Cannot perform support actions on inactive fulfillment record {0}.
7285	Request type {0} is not valid for a return request.
7286	Fulfillments belonging to different customer organizations cannot be consolidated.
7287	Value specified for max length is not valid.
7288	The activation of the fulfillment is denied by the activation policy for activation id {0} because {1}.
7289	Only certificate fulfillments can be consolidated.
7290	Cannot define redundant server policy at entitlement time for the selected license model.
7291	Import file provided is not valid.
7292	Cannot validate product {0}; it must contain at least one Feature to be licensed with FlexNet technology.
7293	Specified client repair count:{0} is not valid. Value must be greater than or equal to 0.

Error Code	Description
7294	Cannot specify server host IDs for entitlement line {0} item using license model {1}.
7295	Please specify at least one set of Server Hosts.
7296	Overdraft count {0} is not valid.
7297	Expiration date cannot be set for a {0} request.
7298	Cannot consolidate fulfillment record {0} because trusted activation fulfillments cannot be consolidated.
7299	Name cannot be blank.
7300	Lifecycle action is not allowed on fulfillment {0}.
7301	When logged in with line item ID, only that line item can be accessed.
7302	Not a valid maintenance Version.
7303	Maximum extra activations exceeded for the parent line item.
7304	The sold to value {0} is not valid.
7305	Cannot map draft or inactive activation ID to portal user.
7306	License model of line item {0} is not set.
7307	Cannot create attribute named {0} for license technology {1} because there is already a Generator Configuration attribute with that name.
7308	Number of copies is required for {0}.
7309	Line items having different redundant server policies cannot be activated together.
7310	Web register key {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`,},{,=,|.
7311	Short code activation is Denied by the policy. Resubmit the request with policy override if the user has policy override permission.
7312	Cannot find Generator Validator Class {0}.
7313	Need positive count for rehost operation.
7314	Line Item does not have a parent for upgrade, upsell or renew.
7315	Version date cannot be set on {0} request.
7316	A version start date is required.
7317	Count cannot be more than the remaining copies of the line item {0}.
7318	Expiration date is required.
7319	Expiration date of line item {0} is not set.
7320	Cannot set node-locked hosts on entitlement line item using license model: {0}.
7321	Sold to organization cannot be set on {0} request.
7322	Cannot preload web register keys to bulk entitlement {0}. web register keys have to be added as part of activation.
7323	Partial fulfillments are not allowed for line item {0}.
7324	Identifier {0} is not valid.
7325	Cannot specify host IDs for entitlement line {0} item using license model {1}.
7326	Line items belonging to different license technologies cannot be activated together.
7327	The user {0} has no override policy permission.
7328	Trusted storage licenses cannot be rehosted.

Error Code	Description
7329	No upgrade relationship between product {0} and {1} exists.
7330	Sold to organization of the upgraded line item should be the same as that of the parent line item.
7331	Node-locked host ID policy, for portal, is not the same for line item {0} and line item {1}.
7332	The supplied overdraft count {0} is not valid; overdraft cannot be negative.
7333	Maintenance {0} requires expiration date.
7334	Extra activations cannot be set to a number less than the fulfilled extra activations amount {0}.
7335	No data records found.
7336	Entitlement ID {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`,},{,=,|.
7337	Rehosted overdraft count {0} exceeds overdraft count in the fulfillment {1}.
7338	Number of copies cannot be zero for {0}.
7339	Cannot copy entitlement {0} as it has maintenance line items or it has been upgraded, upsold or renewed.
7340	Value specified for number of extra activations lifecycle policy is not valid.
7341	Part number {0} is not mapped to any product.
7342	Number of copies must be a positive integer for {0}.
7343	Entitlement line item {0} has expired on {1}.
7344	The length of the specified valid value ({0}) exceeds the maximum length ({1}) for this attribute.
7345	User does not have permission to perform operation on line item.
7346	Redundant server hosts must be unique.
7347	Not a valid product name.
7348	Cannot define server host ID policy at entitlement time for the selected license model.
7349	Cannot specify node-locked host IDs for entitlement line {0} item using license model {1}.
7350	Start date has not been specified.
7351	No data records found.
7352	Duration or expiration date is required.
7353	Return operation is not allowed by {0} technology.
7354	Not a valid period for license term {0}; value must be positive.
7355	Number of copies for {0} should be less than the sum of seat counts of all line items upsold from parent {1}.
7356	Duration of line item {0} is not set.
7357	Concurrent modification error. Please retry your operation.
7359	Cannot create attribute with no name for license technology {0}.
7360	Cannot perform any support action obsolete fulfillment {0}.
7361	Cannot transfer line item {0} since number of copies is more than the remaining copies.
7362	Only deployed line items allowed for upsell. Line item {0} is not deployed.
7363	Not a valid uniform suite name.
7364	Line item {0} is not marked as upgrade or upsell or renew.

Error Code	Description
7365	Number of copies should be less than the sum of seat counts of all line items upgraded, upsold or renewed from parent {1}.
7366	Please provide a valid request file.
7367	Publisher error licenses cannot be generated for trusted storage fulfillments.
7368	Server host ID policy, for portal, is not the same for line item {0} and line item {1}.
7369	Redundant license servers are not allowed.
7370	Cannot add web register key {0} to bulk entitlement {1} as part of activation. It should be preloaded.
7371	No data records found.
7372	Version date has not been specified.
7373	Input activation ID cannot be null.
7374	Emergency licenses cannot be generated for trusted storage fulfillments.
7375	The attribute {0} must be a valid integer between 0 and {1}.
7376	License servers of type {0} are not allowed.
7377	License Model is required for bulk entitlement to set the model attributes.
7378	Start date is after expiration date.
7379	Generating publisher error licenses is not allowed by {0} technology.
7380	Could not instantiate custom host ID validator class: {0}.
7381	This entitlement contains child line items that have corresponding parent line items belonging to different entitlements. Proceeding with transfer will cause these child line items to be created in the new organization with no parent defined.
7382	Stop gap licenses cannot be generated for trusted storage fulfillments.
7383	Cannot change number of copies of line item {0} after fulfillment as license model {1} does not allow partial fulfillments.
7384	Server host ID policy is not the same for line item {0} and line item {1}.
7385	Sold to organization of the parent line item {0} should be the same as that of the child line item {1}.
7386	Server host IDs not unique.
7387	Incorrect number of server hosts specified. Specify either one or three hosts.
7388	Cannot change state of line item {0}, one or more line items refer to it.
7389	Value specified for number of repairs lifecycle policy is not valid.
7390	Maximum extra activations exceeded.
7391	Cannot deploy technology {0} because the generator {1} is not valid due to this error: {2}.
7392	Number of copies cannot be set to a number less than the fulfilled amount {0}.
7393	License model attributes of line item {0} is not set.
7395	At least one of default transaction key or virtual transaction key is required for a deployed product or suite associated with trusted license models.
7396	Hosts of type {0} are not allowed by policy.
7397	First server host not specified.
7398	A version date is required.

Error Code	Description
7399	Overdraft count {0} is not allowed for this request as overdraft is either disabled or exceeded available overdraft count.
7400	Expiration date or duration is required for a local trial ASR.
7401	Cannot deploy test entitlement {0}.
7402	The bulk entitlement ID is not valid.
7403	Count is more than the total fulfilled copies of the parent line item {0} on the host {1}.
7404	Duration cannot be set for a {0} request.
7406	Cannot delete a predefined FlexNet technology attribute.
7407	Cannot perform support actions on inactive entitlement line item {0}.
7408	Specified part number {0} is not valid.
7409	Redundant server hosts are not allowed by policy.
7410	Stop gap license cannot be generated for {0} technology.
7411	This entitlement contains child line items having parent line items belonging to different entitlements. It also contains line items that in turn have child line items belonging to different entitlements.
7412	Not enough permissions for attempted operation.
7413	Expiration date is before today.
7414	Fulfillments belonging to different technologies cannot be consolidated.
7415	Activation ID is required.
7416	Request type {0} is not valid for activation.
7417	redundant server policy is not the same for line item {0} and line item {1}.
7419	The product {0}, version {1} is already added to the Entitlement.
7420	Request type should be renew.
7421	User with user ID {0} does not exists.
7422	Please provide target sold to organization where the entitlement will be transferred.
7423	Cannot create attribute {0} with no When Choices. Please select at least one When Choice.
7424	Please specify at least one node-locked host for the server host {0}.
7425	Request type cannot be null.
7426	No product found with the given name {0} and version {1}.
7427	Request type {0} is not valid for a repair request.
7428	Valid values are required.
7429	Node-locked hosts of type {0} are not allowed.
7430	Not a valid maintenance name.
7431	Duration or expiration date is required.
7432	No host IDs specified.
7433	Permanent is set to true and also duration/expiration date is provided. Please specify exactly what type of expiration terms to set.
7434	Not a valid product Version.
7435	Cannot transfer entitlement {0} since it has active fulfillments. Fulfillments have to be returned before the transfer.

Error Code	Description
7436	Quantity should be a positive integer for {0}.
7437	Cannot update a generator attribute named {0} for license technology {1} because there is already a license model attribute with that name.
7438	No data records found.
7439	Fulfillment cannot be null.
7440	Duration specified for number of rehosts lifecycle policy is not valid.
7441	Users belonging to a customer organization can only redeem web register keys.
7442	Request is either null or contains empty data.
7443	When logged in with entitlement ID, only the line items that belong to it can be accessed.
7444	Maintenance {0} requires start date.
7445	Specified bulk entitlement ID: {0}, and activation ID: {1} are not compatible. Check to make sure the specified activation ID is not associated with a different bulk entitlement.
7446	Licenses belonging to different customer org units cannot be emailed together. Please select fulfillments belonging to the same customer org unit.
7447	Version start date cannot be set on {0} request.
7448	Cannot deploy line item {0}. The parent entitlement {1} is not deployed.
7449	Request type should be upgrade, upsell or renew.
7450	Trusted or embedded license models cannot be set to line item {0} since it is not a new order and does not have a parent defined.
7451	Value specified for number of rehosts lifecycle policy is not valid.
7452	Duration or expiration date is required for a {0} request.
7453	Request type should be upgrade.
7454	Value specified for number of returns lifecycle policy is not valid.
7455	Quantity is required for {0}.
7456	Fulfill count exceeded the seat count of a parent line item.
7457	Request type {0} is not valid for a rehost request.
7458	No data records found.
7459	Line Item {0} does not allow partial fulfillments. Hence multiple hosts are not allowed.
7460	Consolidate operation cannot be performed for {0} request.
7461	Cannot delete line item {0}. It has been activated.
7462	Specified expiration date is not valid.
7463	Not a valid Generator Service Class {0}. This class must implement LicenseGeneratorService interface.
7464	Request type {0} is not valid for a stop gap license request.
7465	Cannot define partial fulfillments policy at entitlement time for the selected license model.
7466	The return of the fulfillment is denied by the return policy because {0}.
7467	Upgrade/Upsell/Renew operation is not allowed by license technology {0}.
7468	Server host ID cannot be ANY, DEMO or ID=. Please enter a valid server host ID.
7469	Rehost operation is not allowed by {0} technology.
7470	Cannot find license Consolidator Class {0}.

Error Code	Description
7471	Version date is required. Please provide a value.
7472	Version start date has not been specified.
7473	Not licensed for legacy feature override functionality.
7474	Cannot create attribute named {0} for license technology {1} because there is already a license model attribute with that name.
7475	Not a valid uniform suite Version.
7476	Please provide target entitlement to which the line item will be transferred.
7477	Activation request must contain a count in addition to an overdraft count.
7478	Cannot deploy technology {0} because the license model {1} is not valid due to this error: {2}.
7479	Line items cannot have different license model types.
7480	Cannot delete line item {0}, other line items refer to it.
7481	Fulfillment request type is not set.
7482	Node-locked host ID policy is not the same for line item {0} and line item {1}.
7483	Attributes are not valid: {0} must not be greater than {1}.
7484	Cannot create text attribute {0} with no text type. Please specify text type.
7485	The model "{0}" cannot support a suite package specification because it is not a counted certificate model.
7486	Number of copies for {0} should be less than the sum of seat counts of all line items upgraded from parent {1}.
7487	Start date is required. Please provide a value.
7488	Emergency license cannot be generated for a {0} technology.
7489	Line items with license models having different partial fulfillments settings cannot be activated together.
7490	Not a valid license Consolidator Class {0}. This class must implement LicenseConsolidator interface.
7491	Cannot set server hosts on entitlement line item using license model: {0}.
7492	Failed to perform the operation.
7493	Only active fulfillments can be consolidated.
7494	Web register key cannot be longer than {0}.
7495	Count specified is more than the fulfilled copies of the parent line item {0} in this fulfillment record.
7496	ASR is missing the transaction key.
7497	Number specified for trusted ID search is not valid.
7498	The entitlement line item is not mapped to the users portal account.
7499	Duration {0} is not valid.
7500	Cannot update a license model attribute named {0} for LicenseTechnology {1} because there is already a generator attribute with that name.
7501	Node-locked host ID cannot be ANY, DEMO or ID=. Please enter a valid node-locked host ID.
7502	Duration specified for number of repairs lifecycle policy is not valid.
7503	Only deployed line items can be upgraded. Line item {0} is not deployed.
7504	Start date is after expiration date.
7505	Fulfill count exceeded the available seat count.

Error Code	Description
7506	Unable to process the request. Please contact system administrator.
7507	Host {0} is not allowed by line item {1}.
7508	Web register key is required.
7509	ASR Name {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`,},{,=,|.
7510	Line items having different node-locked host ID policies defined cannot be activated together.
7511	License model is required for line item to set the model attributes.
7512	Cannot update attribute named {0} for license technology {1} as there is no attribute with that name.
7513	Entitlement ID cannot be longer than {0}.
7514	Cannot find Generator Service Class {0}.
7515	Fulfillments belonging to {0} technology cannot be consolidated.
7516	Unable to perform short code activation due to reason: {0}.
7517	No upsell relationship between product {0} and {1} exists.
7518	Activation ID cannot be longer than {0}.
7519	Cannot email license for inactive fulfillment.
7520	Cannot import fulfillments. Line item with activation ID {0} does not exist.
7521	Cannot import fulfillments. Line item with order # {0}, and line # {1} does not exist.
7522	Bulk entitlement ID: {0} is not valid and does not exist in the system.
7523	The existing web register key {0} does not belong to bulk entitlement {1}.
7524	Duration should be an integer greater than 0 for {0}.
7525	Cannot delete line item {0} since it has been referenced by other line items as a result of transfer process.
7526	Max transfers cannot be less than 0 for {0}.
7527	Duration is required for {0}.
7528	Max transfers is required for {0}.
7529	This operation cannot be performed on obsolete fulfillments.
7530	Cannot delete entitlement {0} since it has been referenced by other entitlements as a result of transfer process.
7531	This operation cannot be performed since the line item {0} is inactive.
7532	Unauthorized access denied.
7533	Unable to process email. Not a valid email template {0}. Please report to system administrator.
7534	Only one node locked host is allowed.
7535	Only one server host ID is allowed.
7536	Partial upgrade/upsell/renew of fulfillment is not possible since parent line item {0} is marked obsolete.
7537	Version date duration should be an integer greater than or equal to 0 for {0}.
7538	Since line item {0} is in test state, the target entitlement to which this will be transferred also needs to be in the Test State.
7539	Error processing input file.
7540	Version date duration is required for {0}.

Error Code	Description
7543	Could not instantiate vendor dictionary response class: {0}.
7544	Cannot map activatable item to the user since multiple owners are not allowed.
7545	Merge was not successful. There was an issue with merging hosts between the source and target organizations.
7546	Value specified for number of reinstall lifecycle policy is not valid.
7547	Cancel license policy is not the same for line item {0} and line item {1}.
7548	Selected items should have the same license technology.
7549	Selected items should have the same license model type.
7550	Merge was not successful. There was an issue with merging entitlements between the source and target organizations.
7551	Duration specified for number of reinstall lifecycle policy is not valid.
7552	The reinstall of the fulfillment is denied by the reinstall policy because {0}.
7553	Merge was not successful. There was an issue with merging users between the source and target organizations.
7554	VCG is not able to generate license because of a timeout. Check VCG wait time system configuration setting.
7555	Cannot define cancel license policy at entitlement time for the selected license model.
7556	No VCG for config: {0} at location {1}.
7557	Short code activation failed : More than one fulfillment records found for the given short code and activation ID.
7558	Please select at least one more target host.
7559	Specified value {1} is not valid for the custom attribute {0}. Specify a valid integer number.
7560	Number of short code response override keys {0} are not matching with the keys {1} returned from the ResponseOverrideGenerator.
7561	Response override key name: {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`.
7562	Owner does not belong to the sold to organization.
7563	Short code response overrides generator class {0} was not found.
7564	Empty key name not allowed for response overrides.
7565	Number Value is not provided for the number type custom attribute: {0}. Please set number value and retry.
7566	Boolean value is not provided for the boolean type custom attribute: {0}. Please set boolean value and retry.
7567	User with user ID {0} does not exist.
7568	Length of attribute {0} is not valid. Maximum length for TEXT and MULTI VALUED TEXT TYPES allowed is 4000 characters.
7569	Custom attribute in request is not valid: {0}.
7570	The publisher ID {0} in the request is not supported by the FNO Server. Please check with your FNO administrator.
7571	At least two fulfillments are required to consolidate.
7572	Owner does not belong to the sold to organization.

Error Code	Description
7573	Please select at least one host.
7574	Date Value is not provided for the date type custom attribute: {0}. Please set date value and retry.
7575	Names of short code response override keys does not match with the Keys in the returned data from the ResponseOverrideGenerator.
7576	Response overrides contains duplicate key names. Please remove duplicates and save again.
7577	The max length value for the key name: {0} should be an integer value.
7578	String value is not provided for the text type custom attribute: {0}. Please set String value and retry.
7579	Fulfillment ID: {0} is not trusted type.
7580	Selected expiration date was not valid. Please select a future date.
7581	Online return/repair request for the activation ID {0} is not originated from the original client machine.
7582	Unable to process trusted activation request for transaction ID {0}. Please retry after a while.
7583	The max length value for the key name: {0} should be more than 0.
7584	Source and target hosts are the same.
7586	Please select one target host.
7587	The reinstall request is not valid since there are no fulfillments on this host.
7588	Vendor dictionary response key name: {0} contains one or more of the following special characters: ', ", &, %, ^, (,), #, @, !, ~, /,<,>,`.
7591	Transfer was not successful. There was an issue with returning fulfillments during transfer of entitlement. Please check application log.
8001	Error in selecting {0} data from database.
8002	Transformation process is not valid.
8003	Cannot add Required attribute {1} to host type {0}. The host type is used in host entities so the required choice must be set to No.
8004	Error in saving {0} data in database.
8005	Hierarchy can be added only to customer or publisher organization.
8006	Counted and uncounted line items cannot be activated together.
8007	Roles not mapped to the user {0}. Please specify roles for the User.
8008	Cannot change the time when the attribute {0} is defined since this license model is deployed.
8009	Unable to generate alias ID for short code ASR.
8010	Cannot create User with no organizations and Roles. Please add organizations and Roles.
8011	Cannot map entitlement to the user since multiple owners are not allowed.
8012	Cannot create User with no last name. Please specify last name.
8013	Cannot create User with no user name. Please specify user name.
8014	Cannot find Filename Generator Class {0}.
8015	The reason for return specified is not valid because there are no {0} line items.
8016	Error in loading driver manager for {0} database.
8017	License can be set only on-hold fulfillments.
8018	The configuration=[{0}] was expected to be configured as an integer but instead was configured as=[{1}].

Error Code	Description
8019	Cannot create attribute named {0} for license technology {1} because there is already a license host attribute with that name in this technology.
8020	Errors related to database access.
8021	Error in retrieving {0} data from database.
8022	Error in saving {0} to config service.
8023	Unable to read the email template {0}. Please check the log file for more details.
8024	Cannot create technology {0} with no type. Please specify type.
8025	Host attribute named {1} does not exist for license technology {0}.
8026	Product is not associated with a trusted license model.
8027	Selected file not found.
8028	Cannot create organization {0} with no name. Please specify name.
8029	Cannot create organization {0} with no display name. Please specify display name.
8030	Cannot delete host {0}. It is being used in other entities.
8031	This operation cannot be performed on obsolete consolidated licenses.
8032	Not a valid Filename Generator Class {0}. This class must implement CustomTechFilenameGenerator interface.
8033	Error in retrieving {0} from config service.
8034	Fulfillment is not active.
8035	Cannot create host attribute named {0} for the default host types in FlexNet license Technology.
8036	Only on-hold fulfillments can be deleted.
8037	This operation cannot be performed on on-hold consolidated licenses.
8038	Cannot create User with no first name. Please specify first name.
8039	Error in updating custom attributes definition: Please check the reporting server.
8040	Cannot create User with no email address. Please specify email address.
8041	Unable to perform short code activation due to reason : license Text does not match with that of the ASR.
8042	Unable to find unique 6-digit short code alias ID in the number range 1 to 999999.
8043	Roles not mapped to the organization {0}. Please specify roles for the organization.
8044	This operation cannot be performed on on-hold fulfillments.
8045	ReportManager failed to search reports by description.
8046	Cannot rehost {0}. license technology {1} does not allow rehost operation.
8047	The specified user {0} does not belong to the org unit {1}.
8048	SecurityService failed validating SignonObject.
8049	ReportService failed saving report.
8052	Please provide an organization to redeem the web register key.
8053	Organization unit {0} cannot be deleted. This organization unit owns hosts.
8054	Cannot create attribute named {0} and type {1}. There is already a license attribute created with this name and type of {2} in the license technology {3}.

Error Code	Description
8055	Cannot create attribute named {0} and type {1}. There is already a Host attribute created with this name and type of {2}.
8056	DataSourceService cannot update an existing DS.
8057	The organization cannot be null when saving.
8058	Start date option is required to be set.
8059	Error in retrieving time dimension start and end dates. Please check reporting database.
8060	Cannot perform this operation on selected items. license technology {0} does not allow rehost operation.
8061	ReportService failed executing a report.
8062	Organization data specified for saving user is not valid.
8063	ReportingPaginationReportsModeHelper failed while getting CurrentPage.
8064	Cannot create organization of type PUBLISHER.
8065	Reporting database transform failed, unable to create process in database.
8066	The license model for this request requires a custom host ID but none was supplied.
8067	user ID cannot be null or empty.
8068	Organization unit {0} cannot be deleted as one of its users {0} cannot be deleted.
8069	The specified user is null or does not exist in the system.
8070	Activation ID is must be present and be valid while saving the user.
8071	The parent organization must be specified with adding sub organizations.
8072	Cannot transfer entitlement {0} in the obsolete or inactive or on-hold state.
8073	No host has been provided for the API - getFulfilledProductCountOnHost.
8074	The organization {0} already exists.
8075	SecurityService failed adding user.
8076	ContentStoreService cannot import data file.
8077	User {0} cannot be deleted. This user is the logged-in user.
8078	The PKs specified {0}, {1}, {2}, {3} are not valid and User could not be retrieved.
8079	Cyclic dependency detected, the specified child orgs cannot be added to the parent {0}.
8080	Not enough permissions for attempted operation.
8081	Cannot remove the user {0} from the organization {1}. The user has to exist in at least one organization. If you would like to remove the user from the database, please delete the user.
8082	ReportingPaginationMixedModeHelper failed while getting CurrentPage.
8083	Organizations and Roles must be specified while saving the user {0}.
8084	Non FlexNet Domain Users cannot be managed through portal.
8085	ContentStoreService cannot create deployment option package.
8086	ReportService failed getting LastOutputObject.
8087	The sub organization must be specified and existing to retrieve the parents.
8088	User {0} cannot be deleted. This user owns entitlements.
8089	User {0} cannot be deleted. This user has fulfillment history records.

Error Code	Description
8090	ReportService failed getting report.
8091	ReportService failed querying saved report.
8092	Cannot delete publisher, portal and unknown organizations.
8093	Error in saving {0} data in database.
8094	ReportService failed while getting a list of reports name.
8095	Transformation process is not valid.
8096	DataSourceService cannot update connection string.
8097	ReportService failed while querying ContentManager.
8098	ReportService failed getting report graphics.
8099	ReportService failed saving report.
8100	Addition of sub organization failed. Please see the log.
8101	The parent organization must exist in the system to unlink the sub organizations.
8102	For a user {0} with can login Status, the role set cannot be null or empty.
8103	ReportManager failed to get seed report QueryStrings.
8104	This operation is valid only for on-hold entitlements.
8105	ReportingServerManager failed while setting up reporting server.
8106	DataSourceService failed while adding a new data source.
8107	Error in retrieving {0} data from database.
8108	Host identifier generator class {0} is not valid. This class must implement the HostIdentifierGenerator interface.
8109	Seed users cannot be deleted.
8110	Null user passed for delete operation.
8111	The organization could not be retrieved. Please inspect the log for more details.
8112	ReportManager failed to search reports by name.
8113	ReportService failed getting LastReportSearchpath.
8114	Both user ID and organization ID are mandatory and cannot be null to retrieve roles.
8115	The organization and the user must be specified to map the organization to the user.
8116	Data transformation failed while retrieving the time ID for entity {0}.
8117	The parent organization must exist in the system to retrieve the sub organizations.
8118	This entitlement line item {0} has child line items. If you transfer this line item child line items may not be activatable.
8119	ReportService failed while getting reports SearchPaths.
8120	Cannot transfer line item {0} since number of copies is more than the number of copies available to transfer.
8121	The sub organization must be specified with adding sub organizations.
8122	Cannot merge users belonging to home organization.
8123	Data transformation failed for entity {0}.
8124	Data transformation failed while retrieving the time ID for entity {0}.

Error Code	Description
8125	ReportManager failed to get report attributes.
8126	Reporting data transformation failed.
8127	The sub organization(s) must be specified and existing to unlink sub organizations.
8128	The organization name cannot be empty when retrieved by name.
8129	User {0} cannot be deleted. This user has historical web register key import job records.
8130	{0} is not a parent of {1}.
8131	The sub organization has only one parent and unlinking will result in child organization unit {0} becoming an orphan.
8132	ReportService failed querying report output.
8133	Cannot perform this operation on host {0}. license technology {1} does not allow rehost operation.
8134	SecurityService failed creating SignonObject.
8135	User {0} cannot be deleted. This user owns entitlement line items.
8136	Start date is required.
8137	The organization unit supplied is not compatible with the existing organization unit the user belongs to.
8138	Custom attributes transformation failed.
8139	Date value provided for the attribute {0} should be in the format YYYY-MM-DD whereas the value is set as {1}.
8140	ReportService failed adding style to report.
8141	Failed to run the report. Please check the report on reporting server.
8142	User {0} cannot be deleted. This user has state change history records.
8143	Please provide either the number of copies or fulfillment records to transfer the line item {0}.
8144	ReportManager failed to get publisher-report QueryStrings.
8145	Cannot transfer test line item {0}.
8146	User {0} cannot be deleted. This user has historical shipment records.
8147	The user does not belong to this organization.
8148	ContentStoreService cannot import data package.
8149	Organization unit {0} cannot be deleted. This organization unit owns entitlements.
8150	Reporting database transform denied, already in process.
8151	DirectoryService failed while creating a new CSFolder.
8152	User {0} cannot be deleted. This user has historical part number import job records.
8153	ReportManager failed to save report.
8154	DataSourceService failed while testing DS connection.
8155	The organization and the user must be specified to unmap the organization to the user.
8156	user ID must be present and be valid while saving the user.
8157	user ID or/and organization ID specified is/are null.
8158	ReportService failed getting search path.
8159	Invaid user data specified when saving the user.
8160	ReportService failed getting a list of objects.

Error Code	Description
8161	ReportService failed searching reports by description.
8162	The user cannot be null or empty when retrieving the organizations for the user.
8163	ReportManager failed running report.
8164	Failed while testing the reporting server's web port.
8165	User {0} cannot be deleted. This user has historical import job records.
8166	The start date option of define now is not valid for bulk entitlements.
8167	Roles specified for user {0} in the organization {0} cannot be empty.
8169	Organizations and Roles must be specified for promoting the user {0}.
8170	ReportService failed querying partial match NamedReport.
8172	Cannot find host identifier generator class {0}.
8173	ContentStoreService cannot import canned reports.
8174	The organization unit argument is null or the organization unit does not exist {0}.
8175	DataSourceService cannot get query-string given a DSName.
8176	At least one host attribute value needs to be provided to create the host.
8177	Not a valid target organization.
8178	ReportingPaginationQueriesModeHelper failed while getting CurrentPage.
8179	ReportManager failed to get report Search Path List.
8180	The sub organization must exist in the system to retrieve the parent organizations.
8181	ReportService failed while scheduling a report.
8182	Reset Password failed, user {0} does not belong to FlexNet domain.
8183	Cannot create hierarchies for portal and unknown organizations {0}.
8184	User {0} cannot be deleted. This user owns host entities.
8185	Error in selecting {0} data from database.
8186	Can not download license for host {0}. No binary license for license technology {1}.
8187	Self registered user {0} cannot be linked to other organizations.
8188	User cannot update his own roles.
8189	Null Value for sold to is populated for IDGenerator. Sold to Name value is required for line item / web register key ID generator.
8190	Organizations and Roles must be specified while replacing the orgs and roles the user {0}.
8191	Seed organizations cannot be linked to other organizations.
8192	User {0} cannot belong to both {1} and {2} organization types.
8193	Self registered organization unit {0} can only have one user.
8194	User(s) [{0}] belong to {1} or its parents and {2} or its children. So, organizations {1} and {2} cannot be linked together.
8195	Cannot download license for host {0}. No consolidator specified for license technology {1}.
8196	Self registered user {0} cannot be linked to other organizations.
8197	Organizations {1} and {2} are in the same organization sub-tree. User {0} cannot be mapped to both of them.

Error Code	Description
8198	Organizations with different types cannot be linked.
8199	User {0} cannot exist without organization.
8200	Null Value for productName or Version is populated for IDGenerator. product name value is required for line item / web register key ID generator.
8201	Reporting custom attribute configuration is already in process. Please contact your reporting administrator for details.
8202	DataSourceService cannot delete an existing DS.
8203	Not enough permissions for creating a custom license technology.
8204	Error sending email since the mail server host provided - {0} - is unknown.
8205	ReportingServerManager failed while setting up custom attributes.
8206	Reporting server configuration is already in process. Please contact your reporting administrator for redeployment.
8207	Not a valid Role Name {0}.
8208	Organization unit cannot be null.
8209	Roles cannot be null or empty.
8210	Given child organization {0} is already a child of the parent organization {1}.
8211	Custom host attribute in request is not valid: {0}.
8212	String value is not provided for the text type custom host attribute: {0}. Please set String value and retry.
8213	Boolean value is not provided for the boolean type custom host attribute: {0}. Please set boolean value and retry.
8214	Number value is not provided for the number type custom host attribute: {0}. Please set number value and retry.
8215	Date Value is not provided for the date type custom host attribute: {0}. Please set date value and retry.
8216	Execution error finding selected organizations for the bulk operation named {0}.
8217	Execution error scheduling the bulk operation named {0}.
8218	Finding selected organizations.
8219	Can not rehost since license technology does not support hosts.
8220	Execution error clearing selected line items for the bulk operation named {0}.
8221	Getting all of a bulk operation's selected line items.
8222	Host identifier generator Classname is required for {0} in license technology {1}.
8223	Execution error building the bulk operation named {0}.
8224	Removing a work item.
8225	Execution error adding selected organizations for the bulk operation named {0}.
8226	Clearing selected line items.
8227	Checking if a bulk operation has a work batch.
8228	Domain user {0} cannot belong to other organizations.
8229	At least one organization is required to do the {0}.
8230	Getting all of a bulk operation's selected organizations.
8231	For the activation ID {0} upgrade Count {1} is not valid. Please supply a positive integer value.

Error Code	Description
8232	Products {0} added to the entitlement should belong to the same license technology.
8233	A name must be less than 256 characters in length.
8234	Error in query for maintenance items {0}.
8235	At least one target line item is required to do the renewal.
8236	Product Categories can only be added to Publisher Org units.
8237	Cannot create attribute with name as Date since it is a special keyword.
8238	No data records were found. You do not have enough permission.
8239	Cannot remove bulk operation because a work batch that has not yet executed exists for the bulk operation named {0}.
8240	License technology {0} has multiple host types. Specify a host type.
8241	Repair policies are not the same for license models {0} and {1}.
8242	Cannot build bulk operation named {0} because it has previously been built.
8243	Products in the renewed line item should be the same as that of the parent line item.
8244	Host type {0} does not exist in {1} technology.
8245	Error building product cache.
8246	Execution error removing work batch for the bulk operation named {0}.
8247	A device host ID "{0}" was supplied but the license model is not for a device.
8248	Cannot create text attribute {0} with no text type. Please specify text type.
8249	Cannot create product category attribute {0} because there already exists another attribute with this name in the category.
8250	Cannot update a bulk operation spec after it has been submitted.
8251	Cannot create product category {0} because there already exists another category with this name.
8252	The uncategorized product category cannot be removed from the org.
8253	Not a valid duration {0}.
8254	Checking if a bulk operation has any selected line items.
8255	Cannot rehost {0}. license technology {1} is of manual or hands-free type.
8256	Line items belonging to different host types cannot be activated together.
8257	Cannot schedule bulk operation named {0} because it has not been built.
8258	Cancel license policies are not the same for license models {0} and {1}.
8259	Requires a maintenance orderable.
8260	Seed users cannot be removed from this organization.
8261	No host identifier has been provided. Host identifier is required to create a host.
8262	Execution error removing selected line items for the bulk operation named {0}.
8263	Execution error checking if any selected line items exist for the bulk operation named {0}.
8264	Cannot set activation ID - maintenance item {0}.
8265	Not a valid support action.
8266	Cannot delete the product category. It is referenced by org units.
8267	Expiration date is before start date.

Error Code	Description
8268	No products to upgrade to in bulk operation spec named {0}.
8269	Partner tier name {0} is not valid.
8270	For the activation ID {0} renew Count {1} is not valid. Please supply a positive integer value.
8271	The line item {0} does not have any copies remaining to activate.
8272	Cannot create, edit or delete any license file definitions for FlexNet license Technology.
8273	Execution error during bulk renewal.
8274	Creating a work item.
8275	Not able to start a transaction.
8276	Unable to delete the attribute because it could be referred by other entities.
8277	Finding selected line items.
8278	Cannot create host type named {0} for License. Technology {1} because there is already another host type with that name in the system. Please use Select host type button to re-use it.
8279	Quartz Scheduler Error. Please submit again.
8280	Permanent line items without version date cannot be renewed.
8281	The schedule time submitted is in the past. Please submit a time in the future.
8282	Cannot delete the host type. It is used in products.
8283	At least one from product is required to do the {0}.
8284	Selected items should have the same host type.
8285	Execution error checking if any selected organizations exist for the bulk operation named {0}.
8286	Return policies are not the same for license models {0} and {1}.
8287	Please select one maintenance.
8288	license File Definition {0} does not exist for license technology {1}.
8289	Adding selected line items.
8290	Tier1 Channel partner is required.
8291	Error during bulk upgrade.
8292	At least one organization is required to do the renewal.
8293	Please select at least one product.
8294	Execution error removing selected organizations for the bulk operation named {0}.
8295	Execution error running the bulk operation named {0}.
8296	Finding a work batch.
8297	Cannot copy entitlement as the parent line item {0} of line item {1} belongs to another entitlement.
8298	Preparing statement.
8299	A SQL error occurred while {0}.
8300	Cannot create organization with no name.
8301	License File Definition does not exist for license technology {0}.
8302	Cannot delete default product category.
8303	Extra activations policies are not the same for license models {0} and {1}.
8304	Cannot create a required attribute since there are deployed products associated with the category {0}.

Error Code	Description
8305	Cannot delete the license file definition. Other entities refer to it.
8306	Cannot delete the product category. It is used in orderable.
8307	Cannot remove work batch because work items exist for the bulk operation named {0}.
8308	Cannot configure bulk operation named {0} because it has previously been configured.
8309	Maintenance item {0}.
8310	A SQL error occurred while {0}.
8311	Org {0} already contains product category {1}.
8312	Products {0} added to the entitlement should be linked to at least one common license model.
8313	A name must be entered.
8314	Channel partners should belong to customer organization units.
8315	Cannot create product category attribute with no name.
8316	Product category attribute does not exist.
8317	Could not find {0} object with unique ID {1}.
8318	The length of the specified valid value ({0}) exceeds the maximum length ({1}) for this attribute.
8319	Execution error adding selected line items for the bulk operation named {0}.
8320	Cannot create product category attribute with no type.
8321	Requires an activation ID.
8322	Execution error clearing selected organizations for the bulk operation named {0}.
8323	Removing selected organizations.
8324	Attribute Name: {0} can only contain characters A-Z, a-z, 0-9 and _ .
8325	Execution error removing bulk operation named {0}.
8326	Please select at least one product to add to the line item.
8327	Product {0} is a maintenance product. It cannot be added to a line item.
8328	Performing execute batch on a callable statement.
8329	Checking if a bulk Operation has any selected organizations.
8330	Cannot copy entitlement as the maintenance line item {0} is associated to line item {1} which belongs to another entitlement.
8331	A valid license model of type {0} is not defined on entitlement line item {1}.
8332	Host type ID {0} does not exist.
8333	Rehost policies are not the same for license models {0} and {1}.
8334	Cannot create product category with no name.
8335	Maintenance relationship does not exist between the products of the line items.
8336	Build of organization unit cache failed.
8337	IOperationsQuery input instance not supported by this DAO: {0}({1})".
8338	No license models found for selected products.
8339	At least one target line item is required to do the {0}.
8340	Execution error configuring the bulk operation named {0}.
8341	Clearing selected organizations.

Error Code	Description
8342	Cannot create host type with no name.
8343	Execution error assembling the status of the bulk operation named {0}.
8344	Cannot delete default host type for FlexNet licensing technology.
8346	requires a parent entitlement.
8347	Product category does not exist.
8348	Entity {0} with ID {1} not found.
8349	Execution error finding selected line items for the bulk operation named {0}.
8350	For the product {0} [version {1}] the quantity {2} is not valid; please supply a positive integer value.
8351	Checking if a work batch has any work items.
8352	Sold to organization is not the same for the line items.
8353	Host type does not exist for license technology {0}.
8354	At least one license file is required.
8355	Cannot create host attribute without a host type.
8356	Removing selected line items.
8357	Products {0} added to the entitlement should be linked to the same host type.
8358	Org {0} already contains product category {1}.
8359	Error during bulk renewal.
8360	The name is already in use - a name must be unique.
8361	Cannot create license file definition named {0} for license technology {1} because there is already another file definition with that name in this technology.
8362	Org {0} does not contain product category {1}.
8363	Please provide at least one channel partner.
8364	Work batch NOT FOUND for bulk operation named {0}.
8365	Cannot delete the host type. It is referenced by host entities or devices.
8366	User cannot remove himself from an organization.
8367	Only certificate or custom technology based child line items can be activated from here.
8368	Host and product do not belong to the same host type.
8369	Execution error closing database connection.
8370	Cannot create product category {0} because there already exists another category with this name.
8371	Product category needs to be associated with at least one org and hence cannot be removed.
8372	A start date cannot be set when the specified start date option is set.
8373	Host and product do not belong to the same license technology.
8374	Upgrade, upsell and renewal line item {0} cannot be created when it is linked to multiple products.
8375	Unable to load self-registered user from database.
8376	Please provide version date.
8377	Target organization for transfer should be a customer organization.
8378	Execution error finding bulk operation for line item {0}.
8379	For the activation ID {0} upsell Count {1} is not valid. Please supply a positive integer value.

Error Code	Description
8380	Contact {0} cannot be deleted. This contact is referenced in entitlements.
8381	Cannot transfer entitlement {0}. You do not have access to all line items in this entitlement.
8382	Cannot update the storage type of the license file definition since there are fulfillments.
8383	Maintenance item activation ID {0} is already in use.
8384	Products {0} added to the entitlement should be linked to the same license generator configuration.
8385	A description must be less than 256 characters in length.
8387	Products added to the entitlement should be linked to the same default transaction key and the same virtual transaction key (if applicable).
8388	Finding bulk operation for line item.
8389	Unique identifier {0} is not valid.
8390	Entitlement line item can be linked to at most one certificate, one trusted storage and one embedded license model.
8391	Quantity has to be greater than zero.
8392	Description cannot be greater than 2000 characters.
8393	User is not valid.
8394	Organization unit is not valid.
8395	Cannot delete maintenance item in state - {0}.
8396	Version date is required.
8397	Alternate license models cannot be defined for custom technology entitlements.
8398	Maintenance item is not editable.
8399	Cannot create license file definition with no name.
8400	Organization unit {0} cannot be deleted since it contains product categories. Please unlink the categories prior to deletion.
8401	UsedOnDevice flag is not applicable to custom technology.
8402	Publisher organization {0} cannot be unlinked from its only parent.
8403	Line item {0} is in use by bulk pperation named {1}. Remove the line item from the Bulk Operation or delete the Bulk Operation.
8404	Removing bulk operation named {0}.
8405	Contact {0} does not belong to organization unit {1}.
8406	Maintenance item is linked to line items - cannot delete.
8407	You do not have enough license to use channel partner features.
8408	Activation ID generator not generating unique keys after {0} retries for bulk operation spec named {1}.
8409	End customer is not valid for bulk entitlement.
8410	License generator for product is different from the transaction key license generator.
8411	Line item {0} can only be transferred to sub-organization of {1}.
8412	Failed to create the web register key entitlement since the sold to organization cannot be determined.
8413	Specified default country code {0} in system configuration is not valid.
8414	Specified country code {0} is not valid.
8415	Return action is not valid with a repair action.

Error Code	Description
8416	Activate action is not valid with a repair action.
8417	No record found. Activation ID: {0}.
8418	Request cannot be empty. It must contain at least one request action.
20002	Product host type does not match device host type.
20003	Product cannot be null.
20004	Cannot update attributes of obsolete device.
20005	Device cannot be null.
20006	Cannot add new products to obsolete device: "{0}".
20007	Publisher keys are not valid.
20008	Cannot create or update device; requested device ID "{0}" is not unique for publisher and ID type. Another device is already using "{1}".
20009	Product to associate. "{0}", must be in test state for test device "{1}".
20010	Publisher identity cannot be null.
20011	Product "{0}" cannot have features or packages with date based versions.
20012	Product to associate cannot be null.
20013	Problem serializing the publisher identity: {0}.
20014	Cannot parse publisher identity data: {0}.
20015	Orderable to associate must be in draft or deployed state for test device.
20016	Device with ID "{0}" could not be found.
20017	Unable to generate add on license for {0}: {1}.
20018	Device cannot be null.
20019	Product "{0}" must have embedded license model.
20020	User name or user identifier is not valid.
20021	The license expiration date must be in the future.
20022	Device identifier is not valid.
20023	Device with ID "{0}" could not be found.
20024	Publisher identifier is not valid.
20025	Organization name or organization identifier is not valid.
20026	Cannot generate license for obsolete device.
20027	Product to associate. "{0}", must be in deployed state for active device "{1}".
20028	Publisher with ID "{0}" could not be found.
20029	Product "{0}" has mismatched host type for device "{1}".
20030	Product "{0}" has mismatched sold-to for device "{1}".
20031	Not a valid state change: Cannot move from "{0}" state to "{1}" state.
20032	Orderable to associate must be in deployed state for active device.
20033	Unexpected add-on type: {0}.
20034	Publisher identity with ID "{0}" could not be found.
20035	Device with ID "{0}" could not be found.

Error Code	Description
20036	Too many characters in value for {0} field. Maximum length is {1}.
20037	Cannot create device: Device cannot have an empty device ID.
20038	Cannot delete publisher identity because it is in use by one or more devices.
20039	Device with ID "{0}" could not be found.
20040	Cannot create publisher: publisher with name "{0}" already exists.
20041	Cannot create publisher identity: publisher identity with name "{0}" already exists.
20042	Device associated with license model that does not allow use on devices.
20043	Problem signing license: {0}.
20044	Problem serializing license: {0}.
20045	Device associated with product that does not allow use on devices.
20046	Cannot create device, "sold to" organization information is missing.
20047	Host type is not valid.
20048	License model cannot be null.
20049	User does not belong to the submitted organization.
20050	The specified device is a server.
20051	The specified device is a client.
20052	Unable to modify the client ID. The device is a server.
20053	Unable to modify the server IDs. The device is a client.
20054	Product to remove "{0}" is not currently linked.
20055	Array parameters have mismatched lengths.
20056	Product "{0}" must have at least one copy for counted license model.
20057	License model not one of those linked to built-in product.
20058	For the product line item {0} the Quantity {1} is not valid; please supply a positive integer value.
20059	Product cannot have features or packages with date based versions.
20060	Product Identifier is not valid.
20061	Cannot create device: device type information missing.
20062	Product "{0}" cannot have more copies assigned than total available.
20063	License model identifier is not valid.
20064	An active device cannot be deleted.
20065	Unable to add a channel partner into a device that already has that tier.
20066	Initialization failed - Unable to set/verify permissions or license.
20067	License model to associate must be in deployed state for deployed orderable.
20069	License model to associate must be in draft or deployed state for draft orderable.
20070	Cannot split the line item since user is not the current owner of the entitlement.
20071	Value provided for the VM_PLATFORMS keyword was not valid.
20072	The device ID "{0}" is expected to be used with client devices.
20073	{0} count is either not supported or incorrect. Please use the exact count type for partial return.

Error Code	Description
20074	Error in auto-fulfill validation finding fulfillments with a license model type of FLOATING_CERTIFICATE, NODE_LOCKED, or CUSTOM.
20075	Error during Auto fulfill operation.
20076	Inactive, obsolete or expired product "{0}" cannot be added or have copies increased.
20077	Cannot activate line item {0} since the sold to organization has not been specified.
20078	Partner org units can be associated to other partner or customer org units.
20079	Please specify at least one channel partner as the current owner of the entitlement.
20080	Trusted activation failed because fulfillment {0} is disabled on the client system.
20081	Time zone values needs to be defined for entitlement line item {0}.
20082	Only publisher or channel partner users can split the line item.
20083	Host type must be specified for a device to be added.
20084	Unknown device request type.
20085	Cannot claim device that is in obsolete state.
20086	Cannot split line item {0} in the Obsolete or Inactive state.
20087	Host type {0} does not exist in FlexNet technology.
20088	Line Item: {0} is not associated with a trusted license model.
20089	Device request specifies a device ID that is not valid.
20090	Execution error running the email bulk operation named {0}.
20091	Only deployed or test entitlements can be split.
20092	Device request references unknown publisher.
20093	This entitlement line item {0} has child line items. If you split this line item, then child line items may not be activatable.
20094	Discovering metadata.
20095	Error fetching supersede signs for parent fulfillment {0}.
20096	Only one of ALLOW_TERMINAL_SERVER and ALLOW_ONE_TERMINAL_SERVER can be set to true in a feature line.
20097	Execution error scheduling {0} email Job for the bulk operation named {1}.
20098	Cannot change state of products for an on-hold device: "{0}".
20099	Bulk operation {0}: cannot auto-fulfill because no entitlement line item has a license model type of FLOATING_CERTIFICATE, NODE_LOCKED, or CUSTOM.
20100	Bulk operation {0}: cannot auto-fulfill because license technology {1} is not allowed in bulk operations.
20101	Line item can only be split to customer or partner organizations.
20102	Not a valid organization for split.
20103	Non-device passed to transfer device.
20104	Matching line item not found for {0}.
20105	Execution error sending entitlement line item email to address "{0}" in bulk operation named {1} for work item {2} entitlement line item {3}.
20106	Host ID type not valid for node-locked host ID: {0}.
20107	The device ID "{0}" is expected to be used with server devices.

Error Code	Description
20108	For the activation ID {0} Overdraft Count {1} is not valid. Please supply a positive integer value.
20109	Cannot schedule email bulk operation named {0} because it has not completed.
20110	Bulk operation {0}: cannot auto-fulfill because license technology is different between source and target products.
20111	Existing device is not a server device.
20112	Cannot activate on Host {0} since it is in the on-hold state.
20113	Device request is missing the device ID.
20114	Cannot claim device that is already claimed by another user.
20115	Existing device is not a client device.
20116	Cannot transfer device "{0}"; product for line item "{1}" must have same value for requested and consumed copies.
20118	Error during bulk entitlement line item email.
20119	Device is not accessible to the logged in user.
20120	Error in auto-fulfill validation finding entitlement line items with a license model type of FLOATING_CERTIFICATE, NODE_LOCKED, or CUSTOM.
20121	Corrupted device request.
20122	Cannot split the line item since the sold to organization has already been specified on the entitlement.
20123	Cannot create or update device; requested device ID "{0}" is not unique for publisher and ID type. Another device is already using "{1}".
20124	Only partner org units can be associated to other orgs.
20125	Sold to information not available for device: {0}.
20126	No wildcards allowed in this host ID: {0}.
20127	Please provide line item to split.
20128	Host type "{0}" does not match host type of existing device "{1}".
20129	Cannot split line item {0} since number of copies is more than the remaining copies.
20130	Device request is missing publisher information.
20131	Device request has a signature that is not valid.
20132	Error verifying the auto-fulfill feature can be used for bulk operation named {0}.
20133	Cannot create device: device type information missing.
20134	A time zone value is required for the license model used by line item {0}.
20135	Device request is for the wrong device: {0} ({1} ID type).
20136	Only one channel partner can be the current owner of the Entitlement.
20137	Checking if a completed work batch has any fulfill items.
20138	Error fetching node-locked host units for parent fulfillment {0}.
20139	Execution error sending fulfillment email to addresses "{0}" in bulk operation named {1} for fulfill item {2} and license fulfillment ID {3}.
20141	Error during fulfillment email.
20142	Bulk operation {0}: cannot auto-fulfill because no fulfillment has a license model type of FLOATING_CERTIFICATE, NODE_LOCKED, or CUSTOM.

Error Code	Description
20143	Comma not allowed in device ID or too many device IDs specified.
20144	Please provide target sold to organization to split the line item to.
20145	For the activation ID {0} Fulfill Count {1} is not valid. Please supply a positive integer value.
20146	The reason for return request must be a number: 1, 2, 3 or 4.
20147	Cannot transfer device "{0}"; a move for that device already in progress.
20148	Both number and string values not allowed for dictionary entry.
20149	Missing number or string value in dictionary entry.
20150	Cannot Split to tier {0} since this tier has already been defined on the entitlement.
20151	No available copies remaining on {0} to split.
20152	Cannot transfer device "{0}"; the target sold-to is the same as its current sold-to.
20153	Not a valid capability request, unable to process.
20154	Bulk Entitlement {0} does not match the original bulk entitlement {1}.
20155	Line Item {0} does not match the original line item {1}.
20156	Cannot transfer obsolete device(s) "{0}".
20157	Device request has host ID type that does not match host type.
20158	Device request has host ID type that does not match device.
20159	Product cannot be added, line item "{0}" does not exist.
20160	Failed to create unknown device {0} specified in device request: {1}.
20161	Cannot transfer device "{0}"; no sold-to information available.
20162	Publisher identity must be specified for a device to be added.
20163	Device request has publisher information that does not match device.
20164	Cannot add partner to device {0} since user is not the current owner.
20165	Failed to create unknown device specified in device request.
20166	Cannot add partner to device {0} since the sold to organization has already been specified.
20167	End Customer cannot be a channel partner organization.
20168	Cannot create or update server; requested redundant device IDs "{0}" must not be the same.
20169	Cannot transfer line item {0} since target entitlement {1} is either in the obsolete or inactive state.
20170	Product "{0}" must have sold-to set to be added.
20171	Maintenance item {0} requires an expiration date.
20172	Device request specifies an on-hold device ID.
20173	Cannot relate organization to itself.
20174	Product "{0}" cannot be added, user does not have permission.
20175	Cannot delete line item {0} since it has been referenced by other line items as a result of split process.
20176	Cannot delete product {0}; it is currently being used for a device pre-installed license.
20177	Cannot set product {0} to draft state; it is currently being used for a device pre-installed license.
20178	Maintenance item {0} requires a start date.
20179	Device end customer cannot be a channel partner organization.

Error Code	Description
20180	Cannot transfer host since the host {0} already exists in the target org {1}.
20181	Trusted host information is not valid. Please select a valid host.
20182	Maintenance {0} cannot be linked to obsolete line item {1}.
20183	Failed to parse the request file. Please upload a valid file.
20184	Count must be specified for Server Based license Model.
20185	Cannot split the line item since the current owner of the entitlement is not set.
20186	Trusted storage or embedded license models cannot be fulfilled in bulk.
20187	Redundant device capability request: No changes performed to the license.
20188	Device request has host type that does not match device.
20189	Not a valid count: the count specified is more than the fulfill count.
20190	Bulk operation {0}: cannot auto-fulfill because host type is different between source and target products.
20191	Device capability request successful.
20192	Device request has an unknown host type.
20193	License File(s) should not be empty.
20194	Current owner marked on more than one channel partner tier.
20195	Cannot delete line item {0} since it has fulfillment history.
20196	Cannot create an organization of Self Registered type.
20197	Please select at least one host.
20198	Cannot email license for trusted fulfillments.
20199	Cannot relate two customer organizations.
20200	No license for FlexNet Embedded device support.
20201	Default model needs to be set before setting alternate models.
20202	Service not applicable for customer users.
20203	The keyword VM_PLATFORMS was introduced in a future version of the VCG. Update your VCG and create a new license generator configuration with the VCG version set.
20204	The keyword TZ was introduced in a future version of the VCG. Update your VCG and create a new license generator configuration with the VCG version set.
20206	No license models is found for entitlement line item {0}.
20207	Cannot merge entitlements since the source {0} and target {1} organizations are of different types.
20208	Cannot transfer line item {0} since it is either in the obsolete or inactive state.
20209	Counted and uncounted line items cannot be repaired together.
20210	The keyword ONE_TS_OK was introduced in a future version of the VCG. Update your VCG and create a new license generator configuration with the VCG version set.
20211	Counted and uncounted line items cannot be returned together.
20212	Products of all line items should be associated with the same publisher ID.
20213	Value specified for trusted request ID search is not valid.
20214	Fulfillments of the parent line item cannot be returned because the host type of child and parent line item is different.
20215	Line items belonging to different customer organizations cannot be returned together.

Error Code	Description
20216	Not a valid activation: both parent and child line items cannot be activated together in a single activation request.
20217	Line items belonging to different customer organizations cannot be repaired together.
20218	Cannot auto-fulfill bulk operation named {0} - license technology {1} does not allow upgrade/upsell/renew operations.
20219	Cannot transfer device "{0}": product line item "{1}" is inactive.
20220	Not a valid maintenance item ID {0}.
20221	Cannot transfer host {0} since it is in the on-hold state.
20222	Redundant server hosts must belong to same family of host ID types.
20223	Please specify valid numeric value for custom attribute "{0}".
20224	Cannot set entitlement line item {0} to draft state; it is currently being used in a device add on.
20225	Cannot delete entitlement line item {0}; it is currently being used in a device add on or short code activation.
20226	A UUID host ID type cannot be mixed with other host ID types in a redundant server.
20227	Not configured to allow redundant servers.
20228	Device request failed.
20229	Cannot delete entitlement {0} since it has been referenced by other entitlements.
20230	Cannot set both TS_OK and ONE_TS_OK in request.
20231	Attribute value {0} is not valid.
20232	Line item cannot be upgraded from certificate to trusted.
20233	The specified device is a served client.
20234	The specified device cannot be a served client.
20235	Repair action is not valid with either activate or return Action.
20236	States of line item {0} and line item {1} are not the same.
20237	Time zones of line item {0} and line item {1} are not the same.
20238	Time zone of line item {0} is not set.
20239	Some line items require time zone and others do not.
20240	The entitlements being transferred are not visible to any user in the target organization.
20241	Cannot define virtual license policy at entitlement time for the selected license model.
20242	User {0} cannot be deleted. This user has product categories assigned.
20243	Type of fulfillment {0} and fulfillment {1} are not the same.
20244	Sold to of fulfillment {0} and fulfillment {1} are not the same.
20245	For the fulfillment ID {0} Return Count {1} is not valid. Please supply a positive integer value.
20246	Trusted fulfillments cannot be returned in a batch.
20247	Host ID type not valid for redundant servers.
20248	Unable to re-parse message from server {0} in sync queue.
20249	Host type must have at least one allowed device ID type.
20250	Virtual license policies are not the same for license models {0} and {1}.

Error Code	Description
20251	Virtual license policy is not the same for line item {0} and line item {1}.
20252	The default device ID type must be an allowed ID type.
20253	Product "{0}" not supported on Virtual Device(s).
20254	Sold-To is not valid.
20255	Device request has host ID type, "{0}", that does not match host type "{1}".
20256	The activation of the fulfillment is denied by the virtualization policy.
20257	Host ID is not valid.
20258	User must have at least one product category assigned.
20259	Device request has device type (server or client) that does not match device.
20260	Host ID type must be specified for a device to be added.
20261	Permanent line items without version date cannot be renewed.
20262	Sold-to is not valid.
20263	User {0} cannot be assigned role {1} in organization {2}.
20264	Organization unit is not related to user.
20265	Please supply missing required attributes and retry.
20266	The entitlements being transferred are not visible to any user in the target organization.
20267	Part number is not mapped to any of the specified products in the line item.
20268	Cannot change the status this user. This user is currently logged into the system.
20269	Template name cannot be empty.
20270	Short code character set must have at least two characters.
20271	Bad short code checksum segment size, {0}, must be either zero or at least 2.
20272	Not a valid short-code request: license template not found.
20273	Not a valid product or suite quantity.
20276	Please select a license model.
20277	Please select a publisher identity.
20278	Nothing selected.
20281	License template with ID "{0}" could not be found.
20282	Cannot create or update template; requested template ID "{0}" is already in use by publisher.
20283	Template ID must be an integer between {0} and {1}.
20284	Please select a valid expiration date.
20285	Please select at least one item.
20288	Short code character set cannot contain space characters.
20289	Device {0} not found.
20290	Short code character set cannot contain duplicate characters ({0}).
20291	Add a product or suite to the license template.
20295	Cannot delete publisher identity because it is in use by one or more license templates.
20298	License model is missing from the product or suite.

Error Code	Description
20301	Template license model does not match product or suite license model.
20302	Cannot undeploy template: template ID is missing.
20304	Expiration date is not valid.
20308	Cannot undeploy template because some short code activation(s) use it.
20318	Host type is not valid.
20319	Cannot delete a deployed license template.
20322	Cannot change state of line item {0}. It has been used in one or more short code activations.
20329	Selected license model does not support activations on virtual devices.
20331	Cannot delete license template. It is in use by one or more devices for short code activation.
20333	Date based feature is not allowed on items that can be used on devices.
20335	Device ID type not allowed on host type.
20339	Multiple devices with ID {0} were found.
20340	Could not find entitlement.
20341	Date-based features are not allowed in a suite that can be used on device.
20342	Date-based features are not allowed in a product that can be used on device.
20343	Could not find line item.
20344	Template name cannot be empty.
20345	Not a valid template.
20346	A template must have a product or suite in it.
20347	Template ID must be an integer between {0} and {1}.
20348	Please select a publisher identity.
20349	Cannot create device: Device cannot have an empty device ID.
20350	Cannot activate short-code request: license template "{0}" has expired.
20351	License template with ID "{0}" is not deployed.
20352	Error:
20353	Not a valid request count.
20354	Keyboard activation is not supported for server devices.
20355	Incorrect expiration date.
20356	License template and line item must have identical license model.
20357	License template and line item must have identical product or suite.
20358	Host type in request code does not match the host type of product or suite in template.
20359	Line item cannot have more than one product or suite.
20360	Cannot activate short-code: device "{0}" is obsolete.
20361	Line item expiration date is missing.
20362	Not a valid license template: publisher identity is missing.
20363	toRequired=Sold to organization is required. Please provide a value.
20364	Expiration date cannot be after license template expiration date.

Error Code	Description
20365	License model does not support activation on virtual devices.
20366	Requested copies cannot be less than previously requested count {0}.
20367	No orderables found for selected line item.
20368	Selected line item does not have enough copies remaining to generate license.
20369	Not a valid template: expiration date is missing.
20370	Line item "{0}" must have embedded license model.
20371	Not a valid short-code request.
20372	Device "{0}" does not have any host type associated with it.
20373	The specified host ID type is not supported by the VCG. Update your VCG and create a new license generator configuration with the VCG version set.
20374	Requested copies cannot be more than 1 for uncounted license model.
20375	Short response code too long. Maximum length is 2000 characters.
20376	Not a valid short request code.
20377	Cannot activate short-code: device "{0}" is not active.
20378	Cannot generate response: license template has expired.
20379	Line item "{0}" not supported on virtual device(s).
20383	Please select a line item.
20384	Please enter a valid number of requested copies for line item.
20385	Selected line item has expired.
20386	Not a valid device: host is missing.
20387	Error occurred when trying to delete: keyboard activation does not exist.
20388	Template does not contain product or suite.
20389	Please enter a valid activation ID.
20390	Unable to validate short code: machine types of the device and the license template do not match.
20391	Product or suite has date-based version.
20392	Cannot find line item "{0}".
20393	Product or suite in template does not have host type associated with it.
20395	Short-code request is missing.
20396	Not a valid short code: {0}.
20397	Not a valid feature activation summary: Feature ID is missing.
20398	Feature activation summary cannot be empty.
20399	Server ID cannot be null.
20401	Line item {0} has mismatched sold-to for device {1}.
20402	Not a valid feature activation summary: Activated count "{0}" is not valid for feature "{1}".
20403	Cannot find activation summary: Feature ID is missing.
20404	Cannot save activation summary: Feature ID is missing.
20405	Device "{0}" cannot switch from buffer license to trusted storage based license.
20406	Device "{0}" cannot switch from trusted storage based license to buffer license.

Error Code	Description
20407	Buffer response is not supported on a server device.
20408	At least one rightsID is required to generate buffer license on a device.
20409	The email address {0} is not valid.
20410	Device does not have a response to restore to.
20411	RightsID count specified is not valid. Count value must be a positive integer.
20412	Device request has host that is not valid.
20413	Cannot switch between buffer and trusted storage based response.
20414	Existing device is not a served device.
20415	Cannot generate buffer response for a served client device.
20416	Cannot decrease product copies. Device has buffer license.
20417	Cannot generate response for an expired or dropped client.
20418	Unexpected organization id {0} found, please select any organization from the provided list.
20419	Request includes the Activation ID {0} which is a {1} and another Activation ID {2} which is a {3}. Counted and uncounted line items cannot be activated together.
20420	Request includes the Activation ID {0} which is a {1} and another Activation ID {2} which is a {3} . Line items cannot have different license model types.

Appendix E

Supported Hostid Types

The following supported FlexNet Publisher host ID types can be differentiated by the Vendor Certificate Generator (VCG):

Hostid Type	Description
ANY	Special FlexNet Publisher Licensing Toolkit host ID ANY. Allows the license to run on any machine.
DEMO	Special FlexNet Publisher Licensing Toolkit host ID DEMO: Can be used only for node-locked licenses, never for Server host IDs. Allows the license to run on any machine.
Ethernet	Ethernet address and also called MAC address. This is the hardware address from the Network Interface Card (NIC). This value consists of 12 hexadecimal digits (a 48-bit number).
Long	Used only with Solaris machines. It is the Solaris 32-bit hardware machine ID. This value consists of 8 hexadecimal digits (a 32-bit number).
User	User name: Enter as USER=user_name. The FlexNet C/C++ Licensing toolkit uses the login name. FlexNet Publisher Licensing Toolkit for Java uses the username environment variable.
Host Name	This can a simple host name or a fully qualified DNS name. Host name: Enter as HOSTNAME=host_name.
Display	On Unix, this is the X display name. On Windows, it is the display adapter. Display name: Enter as DISPLAY=display_name.
Routable IP Address	This setting allows you to define the host ID as a routable, public IP addresses. Use the format, INTERNET=w.x.y.z, where each letter represents an octet with a decimal value between 0 and 255. FlexNet Operations validates that the address is not among the private, non-routable sets. The routable address cannot be an address in the primary three reserved, private network address ranges: 10.0.0.0-10.255.255.255, 172.16.0.0-172.31.255.255, and 192.168.0.0-192.168.255.255. In addition, the address cannot be 127.0.0.1 (localhost). ***Note:*** *FlexNet Operations's IP address validation can be disabled in the Administrative Console's system configuration settings and in the VCG.*
Routable IP Address with Wildcards	This setting allows you to define the host ID as a routable, public IP addresses with a wildcard (*) as one or more octets. Use the format, INTERNET=w.x.y.z, where each letter represents an octet with a decimal value between 0 and 255. FlexNet Operations validates that the address is not among the private, non-routable sets. The routable address cannot be an address in the primary three reserved, private network address ranges: 10.0.0.0-10.255.255.255, 172.16.0.0-172.31.255.255, and 192.168.0.0-192.168.255.255. In addition, the address cannot be 127.0.0.1 (localhost). The wildcard rules for routable IP addresses also apply. For an IP address of w.x.y.z • If w is less than or equal to 127, then x, y, and z can be wildcards. • If w is between 127 and 192, then only y and z can be wildcards. • If w is greater than or equal to 192, then only z can be a wildcard. ***Note:*** *FlexNet Operations's IP address validation can be disabled in the Administrative Console's system configuration settings and in the VCG.*

Hostid Type	Description
FLEX*id*	This is for Windows, Mac, Linux only. Locks the software to a PC with a hardware dongle (hardware key) with serial number id_string. The format of this identifier depends on the brand of dongle used. Enter as FLEXID=id_string.
Composite	A composite host ID combines multiple FlexNet Publisher Licensing Toolkit host IDs together to provide a more secure host ID. For instance, you can use USER and Disk SN to identify a host ID. A composite host ID is a hashed 12-character hexadecimal value formed by combining the values of multiple simple host IDs types. If you select the Composite format, you must provide your end user with a program to calculate the Composite host ID for the host machine. Enter as COMPOSITE=comp_id. For more information about using Composite host IDs, see the FlexNet Publisher Licensing Toolkit Toolkit documentation.
Vendor Defined	Pass the vendor-defined host as VENDOR_DEFINED=<vendor_defined_hostid>, where <vendor_defined_hostid> is formed as <name>=<string>. Hence a vendor defined hostid takes the form of VENDOR_DEFINED=<name>=<string>. For example, where TWVDH=2 is the vendor defined hostid as it would appear in a license file, in the web service request you must pass VENDOR_DEFINED=TWVDH=2 A vendor-defined hostid is returned the same way in a query response: ... <nodeIds> <nodeId>VENDOR_DEFINED=TWVDH=2</nodeId> </nodeIds> ... ***Note:*** *If you specify a vendor-defined host ID, you must build your VCG to support your vendor-defined host ID type.* ***Note:*** *You can use a completely new entity to validate the host. The host ID for this entity is defined in Operations as <name>=<string>, where <name> is the entity name you want to use. You must define a list of allowable name values in the VCG. You must also create the code in the application or vendor daemon that obtains the string value.*

Hostid Type	Description
Virtualization-Aware	Virtualization-aware host ID prefixes define server host ID types that permit or restrict the kind of virtual environments, if any, on which a license server can run. These new host ID types begin with PHY_, VM_, VMW_, HPV_, or LMB_. • Use the PHY_ prefix with ETHER, INTERNET, HOSTNAME, DISPLAY, USER, DISK_SERIAL_NUMBER, or FLEXID to restrict license operation to physical machines. • Use the VM_ prefix with UUID to restrict license server operation to any supported virtual environments: Xen, Hyper-V, and VMWare. VM_UUID supersedes VMW_UUID and HPV_UUID. • Use the VMW_ prefix with UUID, ETHER, INTERNET, and HOSTNAME to restrict license server operation to VMWare Workstation and ESX Server virtualizations. VMW_UUID is still supported, but has been superseded by VM_UUID. • Use the HPV_ prefix with UUID, ETHER, INTERNET, HOSTNAME, and VSN to restrict license server operation to Microsoft Hyper-V virtualizations. HPV_UUID is still supported, but has been superseded by VM_UUID. • Use the LMB_ prefix with ETHER, INTERNET, HOSTNAME, or FLEXID (9 or 10) to permit license server operation with bare metal binding. This permits operation in a virtualization but binds the license to the physical host machine. ***Note:*** *VMW_HOSTNAME, HPV_HOSTNAME, and LMB_HOSTNAME host IDs cannot contain wildcards (asterisks).* ***Note:*** *When used with three-server redundancy, virtualization-aware host ID types for all servers in the triad must use the same prefix: PHY_, VW_, VMW_, HPV_, or LMB_.*
Cloud-Specific	Cloud-specific hostid types permit the kinds of cloud-hosted environments, if any, in which the product can operate. There are two server hostid type options and two nodelocked hostid type options: • AMZN Routable EIP Address and AMZN Routable EIP Address with Wildcards—The AMZN_EIP hostid types permit license server operation in Amazon EC2 (public cloud) environments with binding to an elastic IP address. Routable and Routable with Wildcard addresses are supported. Non-routable addresses are not supported. This hostid type cannot be used with three-server redundancy. • AMZN AMI Template ID and AMZN IID Instance ID—The AMZN_AMI and AMZN_IID hostid types permit nodelocked licensing in Amazon EC2 environments with binding to the AMI template ID or AMI instance ID, respectively. Template ID binding is typically used in virtual appliance scenarios. Instance ID binding supports more generic cloud-based usage such as running software in the public cloud or in a virtual private cloud.

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