

# FlexNet Operations 2026 ALM Release Notes

July 2026

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# Introduction

This Release Notes document summarizes the features, enhancements, and updates delivered with FlexNet Operations releases in 2026. The document includes the following information:

- [Resources](#)
- [New Capabilities](#)
- [Features and Enhancements](#)
- [System Requirements](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [Special Notes](#)
- [SOAP API Change Log](#)
- [Legal Information](#)

## Resources

These resources are available for more information about FlexNet Operations and other Revenera products:

- [Revenera Resources](#)
- [FlexNet Operations Videos](#)
- [Previous FlexNet Operations Release Notes](#)

## Revenera Resources

The following resources can help you stay up to date with FlexNet Operations news and product knowledge:

- In addition to providing case management, the [Revenera Community](#) site can help you quickly find answers to your questions by searching content from other customers, product experts, and thought leaders. You can also post questions on discussion forums for experts to answer. For each of Revenera's product solutions, you can access forums, blog posts, and knowledge base articles. You can also access the Product and License Center from the Community's **Other Resources** menu to download Revenera products.
- You can find documentation for FlexNet Operations and all other Revenera products on the [Revenera Product Documentation](#) site.  
  
Note that any FlexNet Operations documentation published for UAT is subject to finalization until the Production release.
- The [Revenera Learning Center](#) offers free, self-guided, online videos to help you quickly get the most out of your Revenera products. You can find a complete list of these training videos in the Learning Center.

- Customers who have purchased a maintenance contract for their product(s) can submit a support case or check the status of an existing case by first logging into the [Revenera Community](#), clicking **Support** on the navigation menu to open the **Support Hub** page, and then clicking the **Open New Case** or **Case Portal** button.

## FlexNet Operations Videos

These brief, informative videos walk you through the getting-started exercises found in the FlexNet Operations User Guide (online help or PDF version). We recommend that you first read the appropriate “Getting Started” section in the User Guide to gain an understanding of the concepts it covers, and then click the section title in the table below to view the video.

| Guide                                                                               | Topics                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Getting Started with Entitlement Management</a>                         | Creating an account, a user, a product, and an entitlement.                                                                                                                                                                       |
| <a href="#">Getting Started with FlexNet Embedded Licensing</a>                     | Setting up a publisher, identity, and a licensed product. Creating a device and activating its license. Creating and provisioning FlexNet Embedded license servers.                                                               |
| <a href="#">Getting Started with Electronic Software Delivery</a>                   | Creating a producer and download packages, associating download packages with a product, creating files, associating files with download packages, and viewing and downloading files from the FlexNet Operations End-User Portal. |
| <a href="#">Getting Started with Usage Management</a>                               | Creating a usage-based license model, a feature, a product, and an entitlement. Obtaining the license server URL to which the usage data is sent. Running a usage-capture client. Viewing usage information graphs and gauges.    |
| <a href="#">Getting Started with FlexNet Publisher License File-Based Licensing</a> | Activating and returning a certificate license.                                                                                                                                                                                   |
| <a href="#">Getting Started with Cloud Licensing Service</a>                        | Creating a cloud-hosted license server.                                                                                                                                                                                           |
| <a href="#">Getting Started with FlexNet Customer Growth</a>                        | Customer growth concepts and configuring notifications for expiring entitlements and expired entitlements.                                                                                                                        |

## Previous FlexNet Operations Release Notes

To view the release notes associated with FlexNet Operations ALM releases from previous years, access <https://docs.revenera.com/?product=FlexNet%20Operations> and select the appropriate year from the **VERSION** list.

# New Capabilities

The following new capabilities were added to FlexNet Operations in 2026.

- [Reverera MCP Server for FlexNet Operations](#)
- [Analytics Platform Transition](#)

## Reverera MCP Server for FlexNet Operations

Beginning July 2026, FlexNet Operations includes the Reverera MCP Server, enabling AI agents such as Microsoft Copilot, Amazon Q, and Claude to securely access and query FlexNet Operations Analytics data using natural-language prompts. Instead of navigating dashboards, building custom reports, or writing queries, users can ask questions in everyday language and receive answers based on their FlexNet Operations analytics data.

Reverera MCP Server provides read-only access to Analytics data through the Data Access API while continuing to enforce existing roles, permissions, and environment boundaries.

### Example Use Cases

With an AI agent connected to Reverera MCP Server, users can ask questions such as:

- “Which customers showed the largest increase in product usage this month?”
- “List entitlements for Product X that expire in the next 30 days.”
- “Identify customers with declining usage over the last quarter.”

The AI agent translates the user's intent into the appropriate data queries and returns the results in a consumable format, without requiring knowledge of report names, API fields, or query syntax.

### Benefits

- Query FlexNet Operations Analytics data using natural-language questions.
- Connect AI agents through a standard Model Context Protocol (MCP) interface.
- Gain faster access to licensing, entitlement, account, device, and usage insights.
- Maintain security through existing FlexNet Operations authentication, roles, and permissions.
- Configure supported AI agents, including Microsoft Copilot, Amazon Q, and Claude.

For information about supported AI agents, configuration, authentication, and best practices, see the [FlexNet Operations Reverera MCP Server User Guide](#) on the [Reverera Product Documentation](#) site.

## Analytics Platform Transition

Reverera has transitioned its Analytics platform in the FlexNet Operations Producer Portal to a new analytics provider, to provide users with advanced analytics capabilities.

As of **March 23, 2026**, the new Analytics platform is available in Production environments and can be accessed from the **Analytics** menu. With the retirement of **Analytics (Legacy)**, the menu is now labeled simply **Analytics** and provides access only to the new Analytics experience.

For more information about this transition, refer to the [FAQs: Change to Analytics Platform in FlexNet Operations ALM](#).

## Resolved Issues

The following issues have been resolved in the new Analytics platform.

- **SWM-33028: Duplicate records**—Previously, duplicate records could appear in the Entitlement Line Item Summary of the Entitlements report, resulting in the same data being shown more than once. This has now been resolved.
- **SWM-32716: Unique bookmark names**—In the Analytics Dashboard, public bookmark view names are now required to be unique across users. Multiple users can no longer save public views with the same name (under **Bookmark > Save Current View**).
- **SWM-33013: “Resources Exceeded” error when loading report**—Reports run against a large volume of data no longer fail with a “Resources Exceeded” error.
- **SWM-32963: Export to Excel or CSV**—Users can now export reports to Excel or CSV for larger datasets. The previous 1.5 MB system limit, which could prevent exporting the full dataset in a single file, has been increased to 200 MB.

If you have any questions or concerns regarding the transition to the new Analytics platform, Revenera is available to assist. Please contact Revenera Technical Support for help or guidance.

## UAT Availability

Analytics functionality is now available in User Acceptance Testing (UAT) environments for FlexNet Operations.

However, Analytics data in UAT is not refreshed regularly. The most recent data refresh occurred around March 2026. As a result, while all customers can access Analytics functionality in UAT, the data may be outdated.

Customers who require up-to-date Analytics data in UAT must request full UAT Analytics access by contacting their customer representative.

# Features and Enhancements

The following sections describe the new features and enhancements added to FlexNet Operations in 2026:

- [Features and Enhancements in 2026.07](#)
- [Features and Enhancements in 2026.06](#)
- [Features and Enhancements in 2026.05](#)
- [Features and Enhancements in 2026.04](#)
- [Features and Enhancements in 2026.03](#)

- [Features and Enhancements in 2026.02](#)
- [Features and Enhancements in 2026.01](#)

## Features and Enhancements in 2026.07

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.07 release:

- [Data Analytics Enhancements in 2026.07](#)
- [Documentation Enhancements in 2026.07](#)
- [Entitlement Management Enhancements in 2026.07](#)
- [SOAP and REST Web Services Enhancements in 2026.07](#)
- [User Experience Enhancements in 2026.07](#)

## Data Analytics Enhancements in 2026.07

The following enhancement was made to the Analytics functionality in 2026.07.

### Transaction History Reports Now Available in Analytics

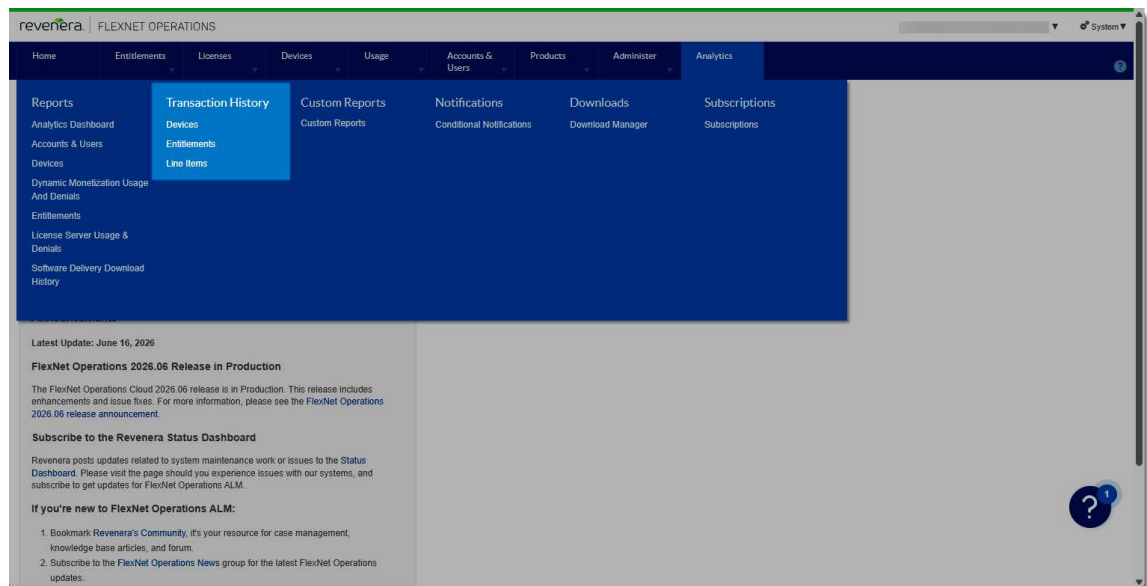
(SWM-33630, SWM-33632, SWM-33634)

A new **Transaction History** menu is now available under **Analytics**. Transaction History provides a complete, transaction-level audit trail for key entities, giving you full visibility into lifecycle changes without requiring backend access or manual investigation.

#### Key Entities in Transaction History

Reports are available for the following key entities:

- **Devices**—grouped into device history and device activation history, see [Devices Transaction History](#)
- **Entitlements**—see [Entitlements Transaction History](#)
- **Line items**—see [Line Items Transaction History](#)



**Figure 1:** The new **Transaction History** option available from the **Analytics** menu.

## Key Capabilities

Filter reports using the available filter options to narrow results by date range, transaction type, and other criteria.

- Export report data in CSV format.
- Subscribe to reports for scheduled delivery.
- Bookmark reports for quick access.

## Availability Across Analytics Channels (DataShare, Data Access API, FlexNet Operations Analytics)

These capabilities are surfaced consistently across Snowflake DataShare, Data Access API, and FlexNet Operations Analytics, enabling multiple consumption patterns.

- FlexNet Operations Analytics enables filterable, exportable reports for auditing and operational investigation (for example, tracking entitlement changes over a defined time range).
- Data Access API provides paginated, filter-driven endpoints for retrieving entitlement transactions programmatically, supporting automation scenarios such as entitlement reconciliation and compliance checks.
- DataShare enables bulk access to entitlement history data in a Snowflake DB / DWH for large-scale analysis, joins with usage/device datasets, and integration into enterprise reporting systems.

This ensures producers can use entitlement history both for day-to-day investigation and downstream analytics/automation workflows without fragmentation.

## Guard Rails

To ensure optimal performance and prevent large, unbounded queries, transaction history reports enforce the following constraints.

- **Data Access API**
  - A date range filter is optional for transaction history queries.
  - If no date range is specified, the query defaults to the most recent 1 day of data.
  - The maximum date range that can be requested in a single query is 365 days.
  - ITD data (“Inception-to-Date”; since availability in Data Warehouse) is available through the Data Access API for Transaction History reports.
  - Pagination metadata is included in API responses to support retrieval of large datasets.
  - The default page size is 500 records.
  - The maximum number of records that can be returned per page is 2,500 records.
- **FlexNet Operations UI (Analytics)**
  - Downloads and subscriptions support up to 5 million records per request.
  - A date range filter is mandatory for all transaction history queries.

## Devices Transaction History

Transaction history pertaining to Devices is delivered through two separate data sub-sets:

- [Device History](#)
- [Device Activation History](#)

### Device History

Tracks lifecycle changes to devices, including creation, updates, rehosting, account transfers, and decommissioning events.

Provides visibility into:

- **Device lifecycle progression**—Understand how a device evolves over time, including how it was created, reassigned across accounts, and modified throughout its lifecycle.
- **Issue investigation**—Identify and troubleshoot device-related licensing issues such as unexpected rehosts, missing devices, or incorrect mappings to entitlements by reviewing the complete sequence of device transactions.
- **License mobility and compliance**—Gain insight into how frequently devices are reassigned or rehosted over time, which is essential for enforcing licensing policies and identifying potential misuse scenarios.
- **Audit and compliance validation**—Confirm device-to-entitlement relationships at any point in time and reconcile differences between expected and actual device usage using a complete historical record.

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Home Entitlements Licenses Devices Usage Accounts & Users Products Administer Analytics

Devices Transaction History View Bookmark Save As Download Subscribe

Devices Transaction History

Event Date: Last 1 Months Configure Device Columns: Multiple selections Apply Filters Devices History Devices Activation History

5/26/2026 - 6/25/2026

Devices Transaction History

| DeploymentType | DeviceName                         | DeviceUniqueID | EventCreatedBy | EventMessage                            | EventTime             | EventType | LastModifiedDate      | SiteName |
|----------------|------------------------------------|----------------|----------------|-----------------------------------------|-----------------------|-----------|-----------------------|----------|
| CLOUD          | test-cs-0206                       | 1000001752887  |                | Device Created Successfully             | 6/2/2026 7:09:09 AM   | CREATE    | 6/2/2026 7:09:09 AM   |          |
| CLOUD          | test-cs-0206                       | 1000001752887  |                | Entitlements Successfully Mapped        | 6/2/2026 7:10:04 AM   | UPDATE    | 6/2/2026 7:10:04 AM   |          |
| CLOUD          | test-cs-ss-2                       | 1000001744843  |                | Device Created Successfully             | 5/27/2026 7:30:50 AM  | CREATE    | 5/27/2026 7:30:50 AM  |          |
| CLOUD          | test-cs-ss-2                       | 1000001744843  |                | Entitlements Successfully Mapped        | 5/27/2026 7:31:47 AM  | UPDATE    | 5/27/2026 7:31:47 AM  |          |
| CLOUD          | test-cs-ss-2705                    | 1000001744817  |                | Device Created Successfully             | 5/27/2026 6:59:25 AM  | CREATE    | 5/27/2026 6:59:25 AM  |          |
| CLOUD          | test-cs-ss-2705                    | 1000001744817  |                | Entitlements Successfully Mapped        | 5/27/2026 7:00:30 AM  | UPDATE    | 5/27/2026 7:00:30 AM  |          |
| CLOUD          | test-cs-ss-con                     | 1000001744829  |                | Device Created Successfully             | 5/27/2026 7:10:34 AM  | CREATE    | 5/27/2026 7:10:34 AM  |          |
| CLOUD          | test-cs-ss-con                     | 1000001744829  |                | Entitlements Successfully Mapped        | 5/27/2026 7:11:31 AM  | UPDATE    | 5/27/2026 7:11:31 AM  |          |
| LOCAL          | ALM_CMS_SANITY_DEVICE-1g9p34dw62wi | 1000001769101  |                | Device Created Successfully             | 6/16/2026 11:06:06 AM | CREATE    | 6/16/2026 11:06:06 AM |          |
| LOCAL          | ALM_CMS_SANITY_DEVICE-1g9p34dw62wi | 1000001769101  |                | Entitlements Successfully Mapped        | 6/16/2026 11:08:10 AM | UPDATE    | 6/16/2026 11:08:10 AM |          |
| LOCAL          | ALM_CMS_SANITY_DEVICE-1g9p34dw62wi | 1000001769101  |                | Trusted storage generated successfully. | 6/16/2026 11:09:27 AM | UPDATE    | 6/16/2026 11:09:27 AM |          |
| LOCAL          | D1_21239                           | 1000001757203  |                | Account Assigned Successfully.          | 6/5/2026 9:26:24 AM   | UPDATE    | 6/5/2026 9:26:24 AM   |          |

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**Figure 2:** Example of the **Devices History** report

## Device Activation History

Tracks how activations are assigned to, updated on, and removed from devices over time, including activation assignment, reassignment, and mapping events.

Provides visibility into:

- **Activation-to-device relationships**—Trace the exact relationship between devices and activations, including which entitlement-derived rights are applied to which device at any point in time, and how those relationships change.
- **Activation usage patterns**—Gain direct visibility into license consumption behavior. This allows producers to track how activations are distributed across devices, how frequently they are reassigned, and whether activation limits are being approached or exceeded.
- **Issue investigation**—Identify and troubleshoot activation-related issues such as missing licenses on a device, unexpected removals, or duplicate mappings, by exposing the full sequence of activation-device interactions rather than relying on current state alone.
- **Compliance and policy enforcement**—Validate activation usage against entitlement terms to identify issues such as excessive reassignments, unauthorized movements, or usage patterns that may indicate non-compliance.

| DeviceName      | EventDetails                                               | EventTime             | EventType                     | Message |
|-----------------|------------------------------------------------------------|-----------------------|-------------------------------|---------|
| D1_21239        | 58896                                                      | 6/5/2026 2:26:24 AM   | HOST_ENTERPRISE_ID_ASSOCIATED |         |
| D1_21239        | 58896 - 6325479                                            | 6/5/2026 6:03:39 AM   | HOST_ENTERPRISE_ID_CHANGED    |         |
| D1_21239        | D1_21239-OBSELETE-20260605062017                           | 6/5/2026 6:20:17 AM   | HOST_ID_CHANGED               |         |
| Device_Obsolete | Device_Obsolete-OBSELETE-20260610022251                    | 6/10/2026 2:22:51 AM  | HOST_ID_CHANGED               |         |
| Device_Obsolete | Obsoleted from ALM ObsoleteInactiveDevices job.            | 6/10/2026 2:22:51 AM  | STATUS_OBSELETE               |         |
| h1-2705         | Host type FLX_CLIENT substituted for unspecified host type | 5/27/2026 12:05:52 AM | HOST_TYPE_SUBSTITUTED         |         |
| JRDMBH765FFQ    | untrusted                                                  | 6/1/2026 5:05:07 AM   | HOST_TRUSTED_CHANGED          |         |
| ss_device_0106  | Host type FLX_CLIENT substituted for unspecified host type | 6/1/2026 5:13:22 AM   | HOST_TYPE_SUBSTITUTED         |         |
| ss_device_0206  | Host type FLX_CLIENT substituted for unspecified host type | 6/2/2026 3:16:26 AM   | HOST_TYPE_SUBSTITUTED         |         |
| test-cis-0106   | c201914119bc480d99701e1fa53ef42                            | 6/1/2026 5:13:22 AM   | HOST_UUID_GENERATED           |         |
| test-cis-0106   | c201914119bc480d99701e1fa53ef42                            | 6/1/2026 5:13:22 AM   | HOST_UUID_ASSIGNED            |         |
| test-cis-0106   | untrusted                                                  | 6/1/2026 5:07:30 AM   | HOST_TRUSTED_CHANGED          |         |

**Figure 3:** Example of the **Devices Transaction History** report

## Entitlements Transaction History

Tracks all changes to entitlements across their lifecycle, including creation, updates, renewals, expirations, revocations, and modifications.

Provides visibility into:

- **Entitlement lifecycle changes**—See how an entitlement evolves over time, including who made changes, when those changes occurred, and which attributes were updated.
- **Audit and compliance validation**—Use historical data as a system of record to validate entitlement state at any point in time and support audits, true-ups, and regulatory reporting.
- **Issue investigation**—Identify and troubleshoot discrepancies such as incorrect quantities, unexpected expirations, or renewal mismatches by reviewing the full sequence of entitlement changes rather than only the current state.
- **Lifecycle trends and behavior**—Gain visibility into patterns such as frequent updates, renewals, or transfers, helping you understand entitlement churn, renewal timing, and how licensing changes align with your product and packaging strategy.

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Entitlement Transaction History View Bookmark Save As Download Subscribe

Entitlement Transaction History

Event Date: Last 1 Months Configure Entitlement Columns: Multiple selections Apply Filters

| EntitlementID                           | EntitlementType | EntitlementStatus            | EntitlementCreatedBy | EntitlementCreatedOn |
|-----------------------------------------|-----------------|------------------------------|----------------------|----------------------|
| 0013-17ee-2478-48e4-aa54-ee0b-6d23-0bf5 | SIMPLE          | bo.constants.states.deployed |                      | 6/1/2026 12:01:51 PM |
| 0013-17ee-2478-48e4-aa54-ee0b-6d23-0bf5 | SIMPLE          | bo.constants.states.deployed |                      | 6/1/2026 12:01:51 PM |
| 0013-17ee-2478-48e4-aa54-ee0b-6d23-0bf5 | SIMPLE          | bo.constants.states.draft    |                      | 6/1/2026 12:01:51 PM |
| 0533-e0a9-8b2b-43be-aff9-d23d-1aec-38e4 | SIMPLE          | bo.constants.states.deployed |                      | 5/27/2026 7:09:06 AM |
| 0533-e0a9-8b2b-43be-aff9-d23d-1aec-38e4 | SIMPLE          | bo.constants.states.draft    |                      | 5/27/2026 7:09:06 AM |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.deployed |                      | 6/2/2026 7:08:22 AM  |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.deployed |                      | 6/2/2026 7:08:22 AM  |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.deployed |                      | 6/2/2026 7:08:22 AM  |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.deployed |                      | 6/2/2026 7:08:22 AM  |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.deployed |                      | 6/2/2026 7:08:22 AM  |
| 26bc-017c-3557-48a1-8b7b-d86e-6257-b862 | SIMPLE          | bo.constants.states.draft    |                      | 6/2/2026 7:08:22 AM  |
| 2888-36c2-5ea0-4aaf-9b6f-f4ae-c8d5-7986 | SIMPLE          | bo.constants.states.deployed |                      | 6/13/2026 1:25:19 PM |
| 2888-36c2-5ea0-4aaf-9b6f-f4ae-c8d5-7986 | SIMPLE          | bo.constants.states.draft    |                      | 6/13/2026 1:25:19 PM |

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**Figure 4:** Example of the **Entitlement Transaction History** report

## Line Items Transaction History

Tracks transaction-level changes to entitlement line items, including updates to quantities, terms, product associations, and license models.

Provides visibility into:

- **Licensing rights evolution**—Understand how the rights associated with an entitlement change over time, including adjustments to quantities, durations, and product mappings.
- **Entitlement structure changes**—See how line items have been adjusted during renewals, upsells, or contract amendments, and understand how these changes impact downstream activation and license usage patterns.
- **Issue investigation**—Identify and troubleshoot discrepancies such as unexpected license counts, incorrect term durations, or mismatches between ordered and deployed quantities by reviewing the sequence of line item changes.
- **Billing and reconciliation support**—Validate that licensing data aligns with commercial agreements by reviewing the changes that affect quantities, terms, and product definitions over time.

**Line Items Transaction History**

Event Date: Last 1 Months | Configure LineItem Columns: Multiple selections | Apply Filters

| ActivationID                                                      | LineItemCreatedBy | LineItemCreatedOn     | LineItemState                | OrderID | OrderLineNumber | Renew |
|-------------------------------------------------------------------|-------------------|-----------------------|------------------------------|---------|-----------------|-------|
| 0eba-059b-4d0b-4234-bb2e-fc83-a132-ff74                           |                   | 6/2/2026 7:08:22 AM   | bo.constants.states.deployed | 10abcd  | 101             | false |
| 22dc-3d23-b0c2-4c59-8bc0-b8cf-93ca-d3ef                           |                   | 6/2/2026 12:02:16 PM  | bo.constants.states.deployed | 80      | 80              | false |
| 22dc-3d23-b0c2-4c59-8bc0-b8cf-93ca-d3ef                           |                   | 6/2/2026 12:02:16 PM  | bo.constants.states.obsolete | 80      | 80              | false |
| 22dc-3d23-b0c2-4c59-8bc0-b8cf-93ca-d3ef                           |                   | 6/2/2026 12:02:16 PM  | bo.constants.states.obsolete | 80      | 80              | false |
| 5ffb-56c0-bea8-4a7e-830b-fddf-caab-4a38                           |                   | 6/8/2026 4:50:31 AM   | bo.constants.states.deployed | 5768    | 1276            | false |
| 5ffb-56c0-bea8-4a7e-830b-fddf-caab-4a38                           |                   | 6/8/2026 4:50:31 AM   | bo.constants.states.draft    | 5768    | 1276            | false |
| 5ffb-56c0-bea8-4a7e-830b-fddf-caab-4a38                           |                   | 6/8/2026 4:56:46 AM   | bo.constants.states.draft    | 5768    | 1276            | false |
| 5ffb-56c0-bea8-4a7e-830b-fddf-caab-4a38-TRANSFERRED-1780894604587 |                   | 6/8/2026 4:50:31 AM   | bo.constants.states.obsolete | 5768    | 1276            | false |
| 6011-c6e1-2bc8-45a5-a575-d952-e229-fe91                           |                   | 6/2/2026 12:02:16 PM  | bo.constants.states.deployed | 80      | 100             | false |
| 6011-c6e1-2bc8-45a5-a575-d952-e229-fe91                           |                   | 6/2/2026 12:02:16 PM  | bo.constants.states.deployed | 80      | 100             | false |
| 718b-a82d-a358-408f-92f9-9fa9-0ba7-0ad5                           |                   | 6/16/2026 11:51:52 AM | bo.constants.states.draft    |         |                 | false |
| b3fe-5715-8755-4956-b2f6-c20e-3891-09fb                           |                   | 6/8/2026 4:50:31 AM   | bo.constants.states.deployed | 5242    | 1001            | false |

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**Figure 5:** Example of the **Line Items Transaction History** report

## Documentation Enhancements in 2026.07

The following enhancement to FlexNet Operations documentation was added in the 2026.07 release.

### API Documentation Now Available at [developer.revenera.com](https://developer.revenera.com)

All Revenera API documentation is now available in the Revenera Developer Portal at [developer.revenera.com](https://developer.revenera.com). The site provides a single location for access to API documentation for FlexNet Operations, Dynamic Monetization, and Usage Intelligence that were previously published across multiple documentation sites.

The new portal provides access to:

- **FlexNet Operations API Reference**  
<https://developer.revenera.com/products/fno-api/api-overview>
- **Dynamic Monetization Documentation (API reference and User Guide)**  
<https://developer.revenera.com/products/dynamicmonetization/guides/quickstart>
- **Usage Intelligence Reporting API**  
[https://developer.revenera.com/products/rui/apis/v3\\_api\\_redocly](https://developer.revenera.com/products/rui/apis/v3_api_redocly)

To minimize disruption, links to the previous documentation sites will automatically redirect to the corresponding content in the Revenera Developer Portal.



**Note** - User guides, installation guides, release notes, and other product documentation remain available at [docs.revenera.com](https://docs.revenera.com).

## Entitlement Management Enhancements in 2026.07

The following enhancement to entitlement management was added in the 2026.07 release.

### Improved Reliability of License and Add-On Removal from Cloud License Server

(SWM-33253)

License add-on removal from Cloud License Server (CLS) instances now uses asynchronous processing, improving reliability when multiple licenses are removed concurrently. This ensures all targeted licenses are fully removed in a single operation, eliminating partial removal outcomes.

## SOAP and REST Web Services Enhancements in 2026.07

The following enhancement was added to the SOAP and REST Web Services module in the 2026.07 release.

### Part Number Support in Entitlement Query APIs

(SWM-33613)

This enhancement builds on the [Associating Part Numbers on Product Level in Entitlement Order SOAP Web Service \(v10\)](#) capability introduced in release 2026.06.

The 2026.06 release enabled part numbers to be explicitly associated with individual products when creating or updating entitlements through the **createSimpleEntitlement** and **updateEntitlementLineItem** operations. However, those product-level part number associations were not returned by the entitlement query APIs.

Starting with Entitlement Order SOAP Web Service version 10, the following APIs now return the part number associated with each entitled product directly in the response:

- **getEntitlementsQuery**
- **getActivatableItemsQuery**
- **getEntitlementLineItemPropertiesQuery**

Prior to this enhancement, callers could retrieve entitled products and quantities, but they could not determine *which SKU or part number* was associated with each individual product. Product-level part numbers were supported only during entitlement creation and update operations, where a part number could be supplied as a convenience mechanism and the corresponding product derived automatically.

By exposing part numbers in the query responses, callers can now retrieve the complete product-to-part-number mapping for an entitlement, simplifying integration scenarios that need to reconcile FlexNet Operations entitlement data with ERP, CRM, or order management systems.

### How to Take Advantage of This Feature

There are two steps: set the part number when you create (or update) an entitlement, then read it back from any of the three query APIs.

### Step 1. Assign a Part Number at Create Time

When calling **createSimpleEntitlement**, add a `<partNumber>` element inside each `<entitledProduct>` block on your line item.

```
<!-- Inside createSimpleEntitlementRequest -->
<urn:lineItems>
  <urn:lineItem>
    <urn:activationId>
      <urn:id>MY-ACT-0001</urn:id>
    </urn:activationId>

    <urn:entitledProducts>
      <urn:entitledProduct>

        <urn:product>
          <urn:primaryKeys>
            <urn:name>MyProduct</urn:name>
            <urn:version>2026.1</urn:version>
          </urn:primaryKeys>
        </urn:product>

        <urn:qty>100</urn:qty>

        <!-- NEW: supply the part number for this entitled product -->
        <urn:partNumber>
          <urn:primaryKeys>
            <urn:partId>PROD-SKU-001</urn:partId>
          </urn:primaryKeys>
        </urn:partNumber>

      </urn:entitledProduct>
    </urn:entitledProducts>
  </urn:lineItem>
</urn:lineItems>
```



**Note** - The `<partNumber>` is optional. You may supply it for some entitled products and omit it for others within the same line item.

### Step 2. Read the Part Number Back

Once created, the part number is returned by all three query APIs automatically. No extra parameters are needed for **getEntitlementsQuery** and **getActivatableItemsQuery**. For **getEntitlementLineItemPropertiesQuery** you need to include one flag in the request configuration (see [getEntitlementLineItemPropertiesQuery \(searchEntitlementLineItemProperties\)](#)).

### Query API Reference

This section provides example queries:

- [getEntitlementsQuery \(searchEntitlement\)](#)
- [getActivatableItemsQuery \(searchActivatableItem\)](#)
- [getEntitlementLineItemPropertiesquery \(searchEntitlementLineItemProperties\)](#)

### **getEntitlementsQuery (searchEntitlement)**

Use this API when you want to retrieve one or more full entitlements. Part numbers are included automatically—no changes to your existing request are required.

#### **Example Request**

```
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v10.webservices.operations.flexnet.com">
  <soapenv:Body>
    <urn:searchEntitlementRequest>

      <urn:entitlementSearchCriteria>
        <urn:entitlementId>
          <urn:value>MY-ENT-00042</urn:value>
          <urn:searchType>EQUALS</urn:searchType>
        </urn:entitlementId>
      </urn:entitlementSearchCriteria>

      <urn:batchSize>10</urn:batchSize>
      <urn:pageNumber>1</urn:pageNumber>

    </urn:searchEntitlementRequest>
  </soapenv:Body>
</soapenv:Envelope>
```



**Note** ▪ No changes needed—this request is identical to what you send today with v9.

#### **Example Response**

```
<searchEntitlementResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>

  <entitlementData>
    <entitlementId>MY-ENT-00042</entitlementId>

    <lineItemData>
      <activationId>
        <id>MY-ACT-0001</id>
      </activationId>

      <!-- Part numbers now appear here automatically -->
      <entitledProducts>
        <entitledProduct>
          <product>
            <primaryKeys>
              <name>MyProduct</name>
              <version>2026.1</version>
            </primaryKeys>
          </product>
          <quantity>100</quantity>
          <partNumber>
            <primaryKeys>
```

```

        <partId>PROD-SKU-001</partId>
      </primaryKeys>
    </partNumber>
  </entitledProduct>
</entitledProducts>

</lineItemData>
</entitlementData>

<totalCount>1</totalCount>
</searchEntitlementResponse>

```

### **getActivatableItemsQuery (searchActivatableItem)**

Use this API when you need to look up a fulfillment record and the products that were available for activation. Part numbers are included automatically—no changes to your existing request are required.

#### **Example Request**

```

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v10.webservices.operations.flexnet.com">
  <soapenv:Body>
    <urn:searchActivatableItemRequest>
      <urn:activatableItemSearchCriteria>
        <urn:activationId>
          <urn:value>MY-ACT-0001</urn:value>
          <urn:searchType>EQUALS</urn:searchType>
        </urn:activationId>
      </urn:activatableItemSearchCriteria>

      <urn:batchSize>10</urn:batchSize>
      <urn:pageNumber>1</urn:pageNumber>

    </urn:searchActivatableItemRequest>
  </soapenv:Body>
</soapenv:Envelope>

```



**Note** • No changes needed—this request is identical to what you send today with v9.

#### **Example Response**

```

<searchActivatableItemResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>

  <activatableItemData>
    <activationId>MY-ACT-0001</activationId>
    <entitlementId>MY-ENT-00042</entitlementId>

    <!-- Part numbers now appear here automatically -->
    <entitledProducts>
      <entitledProduct>
        <product>
          <primaryKeys>

```

```

        <name>MyProduct</name>
        <version>2026.1</version>
    </primaryKeys>
</product>
<quantity>100</quantity>
<partNumber>
    <primaryKeys>
        <partId>PROD-SKU-001</partId>
    </primaryKeys>
</partNumber>
</entitledProduct>
</entitledProducts>

</activatableItemData>

<totalCount>1</totalCount>
</searchActivatableItemResponse>

```

### **getEntitlementLineItemPropertiesquery (searchEntitlementLineItemProperties)**

Use this API to retrieve the properties of a specific entitlement line item, including the part numbers of its entitled products.

Add `<urn:product>true</urn:product>` to your request configuration. This tells the server to include each entitled product together with its part number.

#### **Example Request**

```

<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v10.webservices.operations.flexnet.com">
  <soapenv:Body>
    <urn:searchEntitlementLineItemPropertiesRequest>

      <!-- Which line item to look up -->
      <urn:queryParams>
        <urn:activationId>MY-ACT-0001</urn:activationId>
      </urn:queryParams>

      <!-- Tell the server to include entitled products in the response -->
      <urn:entitlementLineItemResponseConfig>
        <urn:product>true</urn:product>
      </urn:entitlementLineItemResponseConfig>
    </urn:searchEntitlementLineItemPropertiesRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### **Example Response**

```

<searchEntitlementLineItemPropertiesResponse>
  <statusInfo>
    <status>SUCCESS</status>
  </statusInfo>

  <lineItemData>
    <activationId>
      <id>MY-ACT-0001</id>
    </activationId>

```

```

<entitledProducts>

  <!-- Product 1: a part number was supplied at create time -->
  <entitledProduct>
    <product>
      <primaryKeys>
        <name>MyProduct</name>
        <version>2026.1</version>
      </primaryKeys>
    </product>
    <quantity>100</quantity>
    <partNumber>
      <primaryKeys>
        <partId>PROD-SKU-001</partId> <!-- echoed back from your create call -->
      </primaryKeys>
    </partNumber>
  </entitledProduct>

  <!-- Product 2: no part number was supplied -->
  <entitledProduct>
    <product>
      <primaryKeys>
        <name>CompanionApp</name>
        <version>1.0</version>
      </primaryKeys>
    </product>
    <quantity>100</quantity>
    <!-- <partNumber> is absent; product was created without one -->
  </entitledProduct>

</entitledProducts>
</lineItemData>
</searchEntitlementLineItemPropertiesResponse>

```

## Understanding the <partNumber> Element

| Situation                                                          | What you see in the response                                               |
|--------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>You supplied a part number at create time</b>                   | <partNumber><primaryKeys><partId>YOURS</partId></primaryKeys></partNumber> |
| <b>You did not supply a part number</b>                            | The <partNumber> element is absent (not empty, not null)                   |
| <b>You later added a part number via updateEntitlementLineItem</b> | <partNumber> appears from that update forward                              |
| <b>You removed a part number via update</b>                        | The <partNumber> element becomes absent again                              |

The <partId> value will always match the part number name you supplied in the corresponding create or update call.

## Error Handling When Setting Part Numbers

When you supply a <partNumber> on a create or update call, FlexNet Operations validates it. If validation fails, the call returns a FAILURE response—no entitlement is created or modified.

| Situation                                             | Response status | Error message                                                            |
|-------------------------------------------------------|-----------------|--------------------------------------------------------------------------|
| Part number does not exist in FlexNet Operations      | FAILURE         | Specified part number 'X' is not valid                                   |
| Part number exists but belongs to a different product | FAILURE         | The specified part number 'X' is not mapped to the specified product 'Y' |
| Part number is valid and mapped correctly             | SUCCESS         | N/A                                                                      |



**Tip** - If you receive either of the above errors, verify in the FlexNet Operations UI that the part number (SKU) has been created under **Products > Part Numbers** and that it is mapped to the exact product and version you are passing in the request.

## User Experience Enhancements in 2026.07

The following user experience enhancement was added in the 2026.07 release:

- [Configuring Email Preferences in the End-User Portal](#)
- [Quick Search for Entitlements in End-User Portal](#)

### Configuring Email Preferences in the End-User Portal

(Case 04309093, SWM-30055)

End users can now manage their email preferences directly from their **Edit User Profile** page in the End-User Portal. This enhancement provides greater control over the types of emails users receive from FlexNet Operations.

#### Available Email Options

The new **Email Preferences** section allows users to select one of the following options:

- **Receive all system emails** (default)—Includes system, account, and product update notifications.
- **Do not receive system emails**—Blocks most system emails, except for required communications such as welcome emails and password reset notifications. These required communications are sent only if the corresponding email template has its status set to **Active** and its **Send Indicator** is set to **true**.

The screenshot displays the 'Edit User Profile' interface. On the left, 'Profile Details' includes fields for User Name, First Name, Last Name, Email Address, Phone, and Fax, along with creation and login dates. The 'Contact Info' section on the right contains fields for Street, City, State/Province, Zip/Postal Code, Country, Locale, Time Zone, and Account. A right-hand panel titled 'Email Preferences' is open, showing 'System Email Preferences' with a selected 'Receive all system emails' option and 'Email subscriptions' with a selected 'No' option for receiving product announcements and newsletters.

**Figure 6:** The new **Email Preferences** options on the **Edit User Profile** page.

### Additional Information

- Email preference settings apply to all End-User Portal users.
- Certain essential communications (such as welcome emails and password resets) are always sent regardless of preferences.
- By default, all users are set to **Receive all system emails**. Users can change their preference at any time from their **Edit User Profile** page in the End-User Portal.
- Existing alert and subscription preferences are not affected by the new options. Users can continue to subscribe or unsubscribe from alerts independently.

### Updates to Existing Options

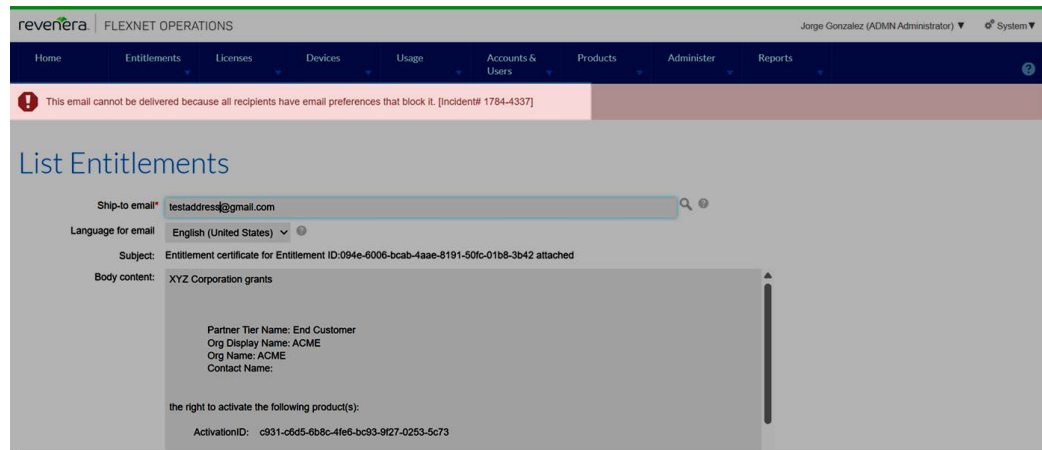
- **Expiring entitlements email** functionality remains unchanged but has been moved to the **Email Preferences** section.
- **Opt in to receive email** has been renamed to **Receive product announcements, newsletters, and other marketing or informational communications** and moved to the **Email Subscriptions** section. This setting indicates whether a user has agreed to receive marketing communications (sent through external marketing systems).

### Impact on Email Delivery

User email preferences affect how emails sent by producers are delivered when triggered from the **List Entitlements** page (**Email** action):

- If all selected recipients have chosen **Do not receive system emails**, the email is not sent. FlexNet Operations displays the following error message:

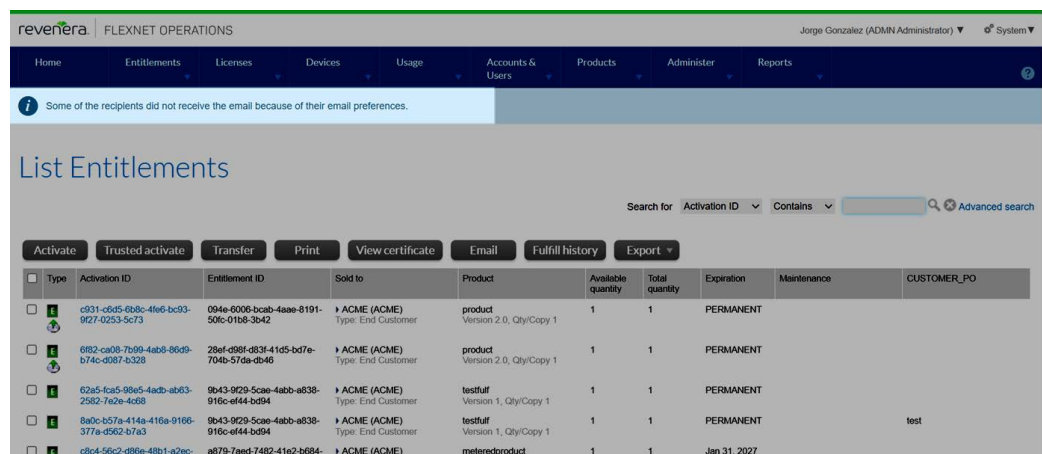
“The email cannot be delivered because all recipients have email preferences that block it.”



**Figure 7:** Error message displayed when all recipients block emails.

- When sending emails to multiple recipients, delivery is evaluated for each recipient based on their individual preferences. If some recipients have opted out, the email is delivered only to eligible users. FlexNet Operations displays the following notification:

“Some of the recipients did not receive the email because of their email preferences.”



**Figure 8:** Notification displayed when some recipients do not receive the email.



**Note** - This functionality is enabled by default. Producers who do not want the **Email Preferences** options displayed in the End-User Portal should contact Reverera Support to have these options hidden.

## Quick Search for Entitlements in End-User Portal

(Case 04878417, SWM-30434)

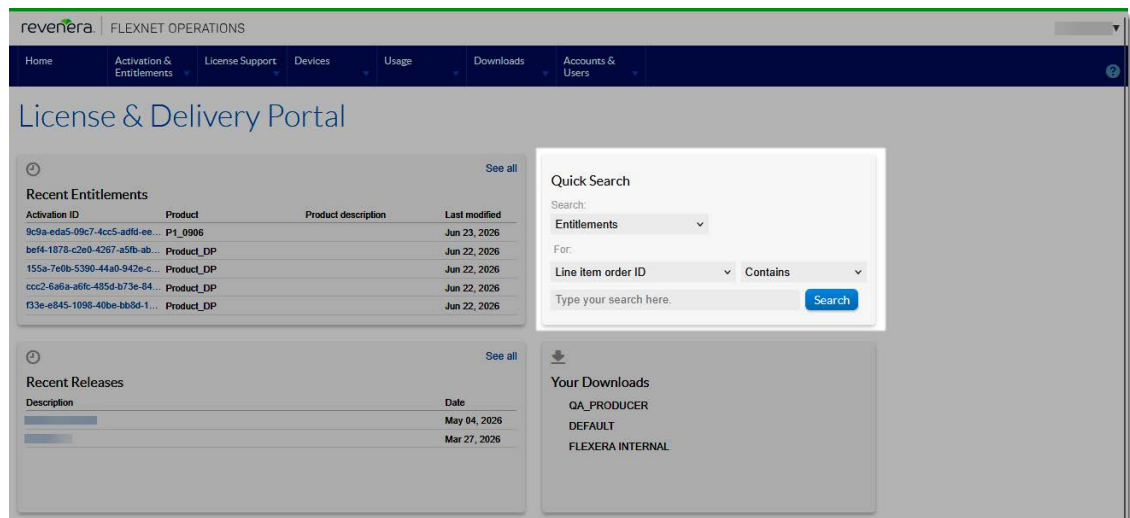
A Quick Search capability is now available in the End-User Portal, enabling users to quickly locate entitlements without navigating through multiple menu pages.

The new **Quick Search** tile on the home page allows users to search for entitlements using selected criteria:

- Line Item Order ID
- Entitlement ID
- Activation ID
- Product
- Sold to Account Name
- Sold to Account ID

The search supports the following operators: Contains, Equals, Starts With, and Ends With.

Search results are automatically displayed in the **List Entitlements** page, filtered based on the selected search criteria. The user experience is consistent with the quick-search functionality in the Producer Portal, providing a familiar and intuitive search workflow.



**Figure 9:** The new **Quick Search** tile for quickly locating entitlements that match specified search criteria.

The Quick Search widget is rendered only when all of the following conditions are satisfied. If any one is not met, the widget is suppressed silently with no error shown to the user:

- Configuration option **Hide Activation & Entitlements menu** must be unselected (under **System > Configure > End-User Portal Setup > Portal Navigation**).
- The logged-in user must hold the **View Entitlements** permission (listed on the **Edit Role** page under **Account Permissions - End-User Portal**). This ensures that users only see entitlements within their authorized scope.

## Features and Enhancements in 2026.06

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.06 release:

- [Electronic Software Delivery Enhancements in 2026.06](#)
- [Entitlement Management Enhancements in 2026.06](#)
- [SOAP and REST Web Services Enhancements in 2026.06](#)

## Electronic Software Delivery Enhancements in 2026.06

The following enhancement in the Electronic Software Delivery (ESD) module was added in the 2026.06 release.

### Compliance Acknowledgment Checkbox on the Upload File Page

(Case 05001712, SWM-33738)

A new compliance acknowledgment checkbox has been added to the **Upload File** page in the FlexNet Operations Producer Portal. Users must explicitly confirm that the file being uploaded does not contain any Personally Identifiable Information (PII) or Protected Health Information (PHI) before proceeding with the upload. The **Upload** button remains disabled until the checkbox is checked.

The checkbox applies to all upload methods available on the page: **HTTP Upload**, **FTP Upload**, **Remote FTP Server**, and **High-Speed Upload (Aspera)**.

The screenshot shows the 'Upload File' page in the FlexNet Operations Producer Portal. The page has a navigation bar with tabs: Home, Entitlements, Licenses, Devices, Usage, Accounts & Users, Products, Administer, and Analytics. The main content area is titled 'Upload File' and includes instructions: 'After the file definition has been added the next step is to upload the file image/binary. Choose one of the methods below. During the upload process these data fields: File Name, File Size, File Contents (for .zip and .jar files), and MD5 CheckSum will become populated and their status updated to "LOADED".'

Below the instructions are buttons for 'View', 'Edit', and 'Associate'. The 'File Details' section shows the following information:

|                |             |                  |            |
|----------------|-------------|------------------|------------|
| File ID        | AM_DemoFile | File Description | Demo File  |
| System File ID | 11503188    | File Name        |            |
| Alias          | No          | File Status      | NOT_LOADED |

The 'Upload' section has four tabs: HTTP Upload, FTP Upload, Remote FTP Server, and High Speed Upload. The 'HTTP Upload' tab is selected. Below the tabs, there is a 'Browse' button to select a file from the local file system. The 'File to Upload from Local File System' section shows 'Choose File' and 'No file chosen'. Below this are input fields for 'Expected MD5 CheckSum' and 'Expected SHA2 CheckSum'. A red box highlights a new compliance acknowledgment checkbox with the text: 'I confirm that I have the rights to upload this file and that it complies with all applicable policies, including restrictions on sensitive data.' The 'Upload' button is disabled until this checkbox is checked.

**Figure 10:** The **Upload File** page with the new compliance acknowledgment checkbox that must be selected before uploading.



**Note** - This functionality is enabled by default. Producers who do not require the compliance acknowledgment step should contact Revenera Support to have it disabled.

## Entitlement Management Enhancements in 2026.06

The following enhancement to entitlement management was added in the 2026.06 release.

### Enhanced Product Suite Reporting with Product-Level Visibility

(SWM-31909)

Previously, when products were packaged and sold as part of a suite, reporting was performed only at the suite level. This limitation resulted in reduced visibility into the individual products included in the suite and limited insight into product-level consumption.

With this enhancement, reporting now provides visibility into individual products within a suite, enabling more granular tracking of product-level usage while preserving the overall suite context.

Retention of product-level context during activation depends on the **Package** setting on the **Package Products | Create a Suite** page.

The screenshot shows the 'Create A Suite' form in the FlexNet Operations interface. The form is titled 'Package Products' and 'Create A Suite'. It includes the following fields and options:

- Suite Name: Demo-Suite
- Description: Demo for Enhanced Product Suite Reporting with Product-Level Visibility
- Version: 1.0
- State: Draft
- Package: ☐ Yes ☒ No
- License Technology: FlexNet Licensing
- Can be used on a device?: ☐ Yes ☒ No
- License Generator: Flexnet

On the right side of the form, there is a table with the following structure:

| Suite Name       | Version |
|------------------|---------|
| No saved Suites. |         |

- **Package = No**
  - The suite is treated as a unified offering
  - The suite name and version are captured in the LineItemInfo of the capability response (in the ProductName and ProductVersion fields)
  - Reporting remains at the suite level

- **Package = Yes**

- The suite is treated as a collection of individual products
- The underlying product name and version are captured in the `LineItemInfo` of the capability response (in the `ProductName` and `ProductVersion` fields)
- Reporting is enabled at the individual product level, even when sold as part of a suite

The key difference is visible in the `LineItemInfo` section of the capability response. When **Package = Yes**, the `ProductName` and `ProductVersion` reflect the individual product within the suite. When **Package = No**, they reflect the suite itself.

#### **Example: Package = Yes (Suite as Package)**

In this example, `LineItemInfo` contains the individual *product name* (**pts1**) and its *version* (**1.0**):

```
License=(
  Name=fts1
  Vendor=fnetest
  Version=1.0
  Expires=permanent
  Count=25
  VersionFormat=FIXED
  HostID=(
    Type=String
    ID=sats1
  )
  Issued=28-apr-2026
  Start=27-apr-2026
  Issuer="My Corporation"
  LineItemInfo=(
    ProductName=pts1
    ProductVersion=1.0
    EntitlementId=ets1
    ActivationId=6977-5e5f-0905-4d77-931e-0829-d040-57ef
  )
)
```

#### **Example: Package = No (Suite as Unified Offering)**

In this example, `LineItemInfo` contains the *suite name* (**sts3**) and the *suite version* (**4.0**):

```
License=(
  Name=fts1
  Vendor=fnetest
  Version=1.0
  Expires=permanent
  Count=20
  VersionFormat=FIXED
  HostID=(
    Type=String
    ID=sats4
  )
  Issued=28-apr-2026
  Start=27-apr-2026
  Issuer="My Corporation"
  LineItemInfo=(
```

```
        ProductName=sts3
        ProductVersion=4.0
        EntitlementId=ets3
        ActivationId=d168-13b2-9546-4ff1-b5c2-92c6-11b9-cfbf
    )
)
```

This enables:

- Accurate tracking of usage at the product level within a suite
- Improved reporting and analytics capabilities
- Better alignment with flexible packaging and monetization models

### Enabling New Behavior

By default, the existing behavior remains unchanged and reporting is performed at the suite-level. Producers who wish to use this functionality should contact Revenera Support to have it enabled.

## SOAP and REST Web Services Enhancements in 2026.06

The following enhancement was added to the SOAP and REST Web Services module in the 2026.06 release.

- [Associating Part Numbers on Product Level in Entitlement Order SOAP Web Service \(v10\)](#)
- [Extended searchDevicesRequest to Support Order Details and Channel Context](#)

### Associating Part Numbers on Product Level in Entitlement Order SOAP Web Service (v10)

(SWM-33451, SWM-33453)

This release introduces version 10 of the Entitlement Order Web Service SOAP API. Changes in version 10 enable producers to specify a part number (SKU) directly on individual entitled products within an entitlement line item—both when creating and updating entitlements.

Previously, only a single part number could be associated at the line-item level. With version 10, each product in the entitledProducts list in SOAP request can independently carry its own part number, enabling finer-grained SKU-to-product linkage on a single entitlement line.

#### Key Benefits

- **Richer SKU association**—Partners and integrators can now send and fetch a partNumber alongside each product in the entitled products list via the SOAP API, establishing a precise SKU-to-product relationship for each product in a configurable line item.
- **Automatic product resolution**—A part number alone (without an explicit product identifier) can be provided, and the system automatically resolves the associated product from the part number.
- **Built-in validation**—If a part number is provided alongside a product, the system validates that the part number is actually mapped to that product. Mismatches are rejected with a clear, actionable error message.

- **Backward compatible**—Existing integrations using v9 or earlier API versions are unaffected. All previous behavior is preserved.

## Feature Details

The new version 10 of the Entitlement Order SOAP Web Service exposes all existing entitlement operations (create, update, delete, search) plus the new part number capability in entitled products.

The entitledProducts list element (entitledProductDataType) now supports an optional partNumber field in addition to the existing product field.

## Schema (simplified)

The following simplified schema shows how the entitledProductDataType element supports both product identifiers and part numbers for line-item definition.

```
<xs:complexType name="entitledProductDataType">
  <xs:sequence>
    <xs:element name="product" type="tns:productIdentifierType" minOccurs="0"/>
    <xs:element name="partNumber" type="tns:partNumberIdentifierType" minOccurs="0"/>
    <xs:element name="quantity" type="xs:integer" minOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

## Usage Rules

The following table describes how the API processes different combinations of product and part number inputs when defining entitlement line items.

| Scenario                        | Behaviour                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>product only</b>             | Same as v9—product identified directly.                                                                                       |
| <b>partNumber only</b>          | System resolves the product from the part number automatically.                                                               |
| <b>Both product +partNumber</b> | Both are resolved. System validates that the part number is mapped to the given product. If not related, request is rejected. |
| <b>Neither provided</b>         | Request is rejected (at least one identifier is required).                                                                    |



**Important** ▪ The partNumber specified inside an individual entitledProduct entry is separate from the line-item-level partNumber field. They are resolved independently and serve different purposes:

- **Line-item partNumber:** Identifies the primary SKU for the overall entitlement line item.
- **Entitled product partNumber:** Associates a specific SKU to a specific product within the entitled products list.

## Supported Operations

The following SOAP operations now support the `partNumber` field inside the `entitledProduct` element in v10:

| Operation                                  | partNumber in request                   |
|--------------------------------------------|-----------------------------------------|
| <b>createSimpleEntitlement</b>             | Accepted per entitled product           |
| <b>updateEntitlementLineItem (ADD)</b>     | Accepted per entitled product           |
| <b>updateEntitlementLineItem (DELETE)</b>  | Removes product resolved by part number |
| <b>updateEntitlementLineItem (REPLACE)</b> | Accepted per entitled product           |



**Note** - The `partNumber` field can be included in the request, but it will not be included in the response.

## Error Messages

Three new validation errors may be returned when using the `partNumber` field in `entitledProducts`:

| Error Code                                | Meaning                                                                                                               | When Raised                                                                |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>SkuNotFound</b>                        | The specified part number does not exist in the system.                                                               | Part number identifier in <code>entitledProduct</code> cannot be resolved. |
| <b>SkusNotMappedToOrderable</b>           | The part number exists but is not linked to any product.                                                              | Resolved part number has no product association.                           |
| <b>PartNumberAndProductAreNot Related</b> | Both product and <code>partNumber</code> were supplied, but the part number is not associated with the given product. | Mismatch between explicitly supplied product and part number.              |

All errors are returned in the standard `statusInfo` response element with `status = FAILURE` and a descriptive message.

## Example Request

The following sample code shows a `createSimpleEntitlementRequest` with a per-product part number.

```
<createSimpleEntitlementRequest>
  <simpleEntitlement>
    <entitlementId>
      <id>ENT-2026-001</id>
    </entitlementId>
    <lineItems>
```

```

<activationId>
  <id>ACT-2026-001</id>
</activationId>
<numberOfCopies>10</numberOfCopies>
<startDate>2026-01-01</startDate>
<expirationDate>2027-01-01</expirationDate>
<!-- Entitled products with per-product part numbers (v10 feature) -->
<entitledProducts>
  <entitledProduct>
    <!-- Option A: product + matching partNumber -->
    <product>
      <primaryKeys><name>MyProduct</name><version>1.0</version></primaryKeys>
    </product>
    <partNumber>
      <primaryKeys><partId>PN-12345</partId></primaryKeys>
    </partNumber>
    <quantity>5</quantity>
  </entitledProduct>
  <entitledProduct>
    <!-- Option B: partNumber only – product resolved automatically -->
    <partNumber>
      <primaryKeys><partId>PN-67890</partId></primaryKeys>
    </partNumber>
    <quantity>3</quantity>
  </entitledProduct>
</entitledProducts>
</lineItems>
</simpleEntitlement>
</createSimpleEntitlementRequest>

```



**Note** - For detailed information about the changes made to the *EntitlementOrderService.wsdl* file and its associated *.xsd* file in version 10, see the [Change Log for 2026.06](#).

## Extended searchDevicesRequest to Support Order Details and Channel Context

(Cases 04883725, 05016444, 05022857; SWM-31498)

Up to now, the `searchDevicesRequest()` API provided limited filtering and response capabilities compared to other device and entitlement APIs, as its original SOAP schema and service implementation were limited in scope and excluded key fields required for enterprise reporting and debugging workflows:

- No support for order-based filtering using `orderId` and `orderLineNumber`, which were available only via `getDevicesQuery`.
- No support for channel context fields, including `channelPartner` and `currentOwner`, which are available in entitlement-related APIs such as `getEntitlementLineItemPropertiesResponse`.
- Inability to retrieve order details, add-on part numbers, and channel/account ownership information in a single request.

As a result, customers were forced to make multiple API calls (`searchDevicesRequest` + `getDevicesRequest` or entitlement APIs) or rely on external systems for reporting and troubleshooting.

## Key Changes

The `searchDevicesRequest()` SOAP endpoint has been enhanced to support order-based filtering and channel partner information retrieval, aligning it with existing capabilities across device and entitlement APIs. Changes are available in the newly introduced version 10 of the Manage Device Service SOAP web service.

### Request Enhancements

The following query parameters are now supported for filtering:

- `orderId`
- `orderLineNumber`

These parameters can be specified in the `queryParams` section of the request.

### Response Enhancements

The following fields are now available in the response:

- `orderId`—returned when `orderId` is set to `true` in `responseConfig`.
- `orderLineNumber`—returned when `orderLineNumber` is set to `true` in `responseConfig`.

In addition, the response payload now includes the following fields under the `<addon>` element:

- `channelPartner`—returned when `soldTo` is set to `true` in `responseConfig`.
- `currentOwner`—returned when `soldTo` is set to `true` in `responseConfig`.

## Backward Compatibility Preserved

Existing integrations remain unaffected. New fields are returned only when explicitly requested via `responseConfig`.

## Sample Request and Response for searchDevices

The following section shows sample code for `searchDevices` request using the new search parameters `orderId` and `orderLineNumber`:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v10.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:searchDevicesRequest>
      <!--Optional:-->
      <urn:queryParams>
        <!--Optional:-->
        <urn:orderId>
          <urn:value>10abcd</urn:value>
          <urn:searchType>CONTAINS</urn:searchType>
        </urn:orderId>
        <!--Optional:-->
        <urn:orderLineNumber>
          <urn:value>11</urn:value>
          <urn:searchType>CONTAINS</urn:searchType>
        </urn:orderLineNumber>
      </urn:queryParams>
    </urn:searchDevicesRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```

<!--Optional:-->
<urn:responseConfig>
  <!--Optional:-->
  <urn:name>true</urn:name>
  <!--Optional:-->
  <urn:description>true</urn:description>
  <!--Optional:-->
  <urn:status>true</urn:status>
  <!--Optional:-->
  <urn:servedStatus>true</urn:servedStatus>
  <!--Optional:-->
  <urn:hostTypeName>false</urn:hostTypeName>
  <!--Optional:-->
  <urn:hosted>true</urn:hosted>
  <!--Optional:-->
  <urn:soldTo>true</urn:soldTo>
  <!--Optional:-->
  <urn:machineType>true</urn:machineType>
  <!--Optional:-->
  <urn:vmDetails>true</urn:vmDetails>
  <!--Optional:-->
  <urn:userInfo>true</urn:userInfo>
  <!--Optional:-->
  <urn:lastRequestTime>false</urn:lastRequestTime>
  <!--Optional:-->
  <urn:lastSyncTime>true</urn:lastSyncTime>
  <!--Optional:-->
  <urn:addOnPartNumber>true</urn:addOnPartNumber>
  <!--Optional:-->
  <urn:addOnActivationId>true</urn:addOnActivationId>
  <!--Optional:-->
  <urn:vendorDictionary>true</urn:vendorDictionary>
  <!--Optional:-->
  <urn:hasUpdates>false</urn:hasUpdates>
  <!--Optional:-->
  <urn:addOnExpirationDate>true</urn:addOnExpirationDate>
  <!--Optional:-->
  <urn:siteName>true</urn:siteName>
  <!--Optional:-->
  <urn:orderId>true</urn:orderId>
  <!--Optional:-->
  <urn:orderLineNumber>true</urn:orderLineNumber>
</urn:responseConfig>
<!--Optional:-->
<urn:sortBy>
  <!--1 or more repetitions:-->
  <urn:sortBy>
    <urn:sortKey>DEVICE_ID_TYPE</urn:sortKey>
    <urn:ascending>false</urn:ascending>
  </urn:sortBy>
</urn:sortBy>
<!--Optional:-->
<urn:pageNumber>1</urn:pageNumber>
<!--Optional:-->
<urn:batchSize>10</urn:batchSize>
</urn:searchDevicesRequest>

```

```

    </soapenv:Body>
</soapenv:Envelope>

```

The following section shows sample code for a searchDevices response which includes the channelPartner and currentOwner elements inside the <addon> tag:

```

<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>
    <searchDevicesResponse xmlns="urn:v10.fne.webservices.operations.flexnet.com">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <devices>
        <device>
          <deviceId>
            <id>Dev_TestSA</id>
            <idType>STRING</idType>
            <publisherName>fndemo</publisherName>
            <deviceClass>CLIENT</deviceClass>
          </deviceId>
          <name>Dev_TestSA</name>
          <status>ACTIVE</status>
          <hosted>false</hosted>
          <soldTo>
            <id>Account_A1</id>
            <name>Account_A1</name>
          </soldTo>
          <machineType>UNKNOWN</machineType>
          <lastModified>2026-02-16T11:54:05.667Z</lastModified>
          <addon>
            <activationId>1fc8-9dc3-10f5-4b2b-8a5d-0d96-f6ef-5926</activationId>
            <addOnExpirationDate>9999-12-31T00:00:00.000Z</addOnExpirationDate>
            <orderId>10abcd</orderId>
            <orderLineNumber>11</orderLineNumber>
            <channelPartners>
              <channelPartner>
                <tierName>bo.constants.partnertiernames.endcustomer</tierName>
                <accountUnit>
                  <uniqueId>HID-15</uniqueId>
                  <primaryKeys>
                    <id>UNKNOWN_ORG_UNIT</id>
                  </primaryKeys>
                </accountUnit>
                <contact/>
                <currentOwner>false</currentOwner>
              </channelPartner>
              <channelPartner>
                <tierName>bo.constants.partnertiernames.custom1tier</tierName>
                <accountUnit>
                  <uniqueId>HID-92998</uniqueId>
                  <primaryKeys>
                    <id>Test Channel Partner1</id>
                  </primaryKeys>
                </accountUnit>
                <contact/>
              </channelPartner>
            </channelPartners>
          </addon>
        </device>
      </devices>
    </searchDevicesResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

```

        <currentOwner>false</currentOwner>
      </channelPartner>
    </channelPartners>
  </addon>
  <vendorDictionary>
    <entry>
      <name>FLX_DEVICE_SOLD_TO</name>
      <stringValue>Account_A1</stringValue>
    </entry>
    <entry>
      <name>FLX_DEVICE_TYPE</name>
      <stringValue>Client</stringValue>
    </entry>
    <entry>
      <name>FLX_DEVICE_ATTR</name>
      <stringValue>text</stringValue>
    </entry>
    <entry>
      <name>FLX_DEVICE_DATE</name>
      <stringValue>2/16/2026</stringValue>
    </entry>
    <entry>
      <name>FLX_DEVICE_EMPTYVAL</name>
      <stringValue>-client</stringValue>
    </entry>
  </vendorDictionary>
</device>
</devices>
</searchDevicesResponse>
</soapenv:Body>
</soapenv:Envelope>

```



**Note** ▪ For detailed information about the changes made to the *ManageDeviceService.wsdl* file and its associated *.xsd* file in version 10, see the [Change Log for 2026.06](#).

## Features and Enhancements in 2026.05

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.05 release:

- [Entitlement Management Enhancements in 2026.05](#)
- [SOAP and REST Web Services Enhancements in 2026.05](#)
- [User Experience Enhancements in 2026.05](#)

## Entitlement Management Enhancements in 2026.05

The following enhancements to entitlement management were added in the 2026.05 release.

- [Improved Bulk Upgrade Handling for Previously Upgraded Entitlements](#)
- [Improved Consistency of Device Webhook Events for Entitlement Mapping](#)

## Improved Bulk Upgrade Handling for Previously Upgraded Entitlements

(Case 04129521, SWM-29280)

Previously, the Bulk Upgrade workflow did not distinguish between entitlements that had already been upgraded and those that had not. When users ran bulk upgrades multiple times under similar conditions (for example, upgrading from version 1.0 to 2.0), entitlements that were upgraded in earlier runs continued to appear in the list of available line items. Selecting those items again could result in duplicate line items being created.

To address this, FlexNet Operations now provides a system configuration, **Skip previously upgraded line items** (under **System > Configure > FlexNet Operations > General Options**). When this configuration is selected, entitlements that have already been upgraded to the target product version are excluded from the list of available line items during bulk upgrade selection.

The following screenshot shows the **Entitle Customers To Licenses | Bulk Upgrade – Select Line Items** page, where only eligible line items are listed for bulk upgrade selection when previously upgraded items are skipped.

revenera | FLEXNET OPERATIONS

Home Entitlements Licenses Devices Usage Accounts & Users Products Administer Analytics

### Entitle Customers To Licenses

Bulk Upgrade - Select From Product(S)

Please select at least one product to upgrade and click Next to continue.

Search For All Products Contains

| Product                                                        | Technology        | Host type | Product line         | Part number |
|----------------------------------------------------------------|-------------------|-----------|----------------------|-------------|
| <input type="checkbox"/> Test Product<br>[Ver 2019]            | FlexNet Licensing |           | Uncategorized Pro... |             |
| <input type="checkbox"/> Product_F1F2<br>[Ver 2023]            | FlexNet Licensing |           | Uncategorized Pro... |             |
| <input type="checkbox"/> ACME_Product 3<br>[Ver 2023]          | FlexNet Licensing |           | Analytics            |             |
| <input type="checkbox"/> ACME_Product 2<br>[Ver 2023]          | FlexNet Licensing |           | Analytics            |             |
| <input type="checkbox"/> ACME_Product 1<br>[Ver 2023]          | FlexNet Licensing |           | Analytics            |             |
| <input type="checkbox"/> SaaS Metered Operations<br>[Ver 2021] | FlexNet Licensing |           | SaaS Application     |             |
| <input type="checkbox"/> SaaS Storage<br>[Ver 2021]            | FlexNet Licensing |           | SaaS Application     |             |
| <input type="checkbox"/> SaaS Application<br>[Ver 2021]        | FlexNet Licensing |           | Uncategorized Pro... |             |

Page 1 of 1

Cancel

Back Next

Total number of rows 8

**Figure 11:** Bulk Upgrade selection page showing available line items for upgrade

This enhancement helps prevent duplicate data, reduces manual filtering, and improves the efficiency and reliability of bulk upgrade operations.

## Improved Consistency of Device Webhook Events for Entitlement Mapping

(Case 04939120, SWM-32329)

Previously, webhook notifications were only generated when mappings were performed through the Producer Portal user interface or web services. However, no notification was sent when mappings were performed via capability requests. This resulted in incomplete visibility of device entitlement changes in downstream systems.

In the 2026.05 release, device webhook events are consistently triggered whenever entitlements or activation IDs are mapped to devices. These events are also recorded in the transaction history, providing complete visibility and enabling reliable, near real-time synchronization of device entitlement data with external systems.

As part of this enhancement, the payload for device webhook events (including Cloud Licensing Service events) now includes a new `statusInfos` field. This field is always present in the payload and provides status information for the event. For successful events, the field is empty. For failed events, it includes a `statusCode` and a descriptive `statusMessage` indicating the reason for the failure, for example:

```
"statusInfos" : [ {  
  "statusCode" : 1,  
  "statusMessage" : "Specified activation ID is invalid: fc45-2g37-0g57-4450-b96b-156a-3r3e-905"  
} ]
```



**Note** - This enhancement is not enabled by default. Producers who want to use this functionality must contact Reverera Support. The `statusInfos` field is included in the payload regardless of enablement; however, it is populated only when the enhancement is enabled.

## SOAP and REST Web Services Enhancements in 2026.05

The following enhancement was added to the SOAP and REST Web Services module in the 2026.05 release.

### Product Creation Date Added to Product Feature Data Set in Data Access API

(Case 04527943, SWM-30628)

To ensure accurate date-based filtering when querying products, the Data Access API now uses the product creation date instead of the feature creation date.

A new field, **ProductCreatedOn**, has been added to the Product Feature data set. When filtering products by date (for example, using `filterDate` or `pastDays`), the API now evaluates the actual product creation date rather than the date a feature was created or last modified.

As a result:

- Products created within the specified date range are now returned even if their features were created earlier or were not recently modified.
- Newly created products are no longer excluded due to older feature dates.
- Date-based product queries behave consistently and align with expected product-centric use cases.

### Enhancement Details

- **ProductCreatedOn** represents the true creation date of the product, independent of feature activity.
- Historical data has been backfilled so existing products include an accurate product creation date.
- The filtering logic has been updated as follows:
  - Previous behavior: Date filtering based on **FeatureLastModified**
  - New behavior: Date filtering based on **ProductCreatedOn**

## User Experience Enhancements in 2026.05

The following user experience enhancement was added in the 2026.05 release:

### Improved Transaction History Performance

(Case 04838783, SWM-32434)

Performance of the **Transaction History** page has been improved, particularly when working with large volumes of audit trail data.

Database queries used to retrieve, sort, and count transaction history records have been optimized to make more efficient use of existing database indexes. As a result, loading and interacting with transaction history data is significantly faster, reducing wait times for administrators working with extensive transaction records.

## Features and Enhancements in 2026.04

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.04 release:

- [Entitlement Management Enhancements in 2026.04](#)
- [Export and Import Enhancements in 2026.04](#)
- [SOAP and REST Web Services Enhancements in 2026.04](#)

## Entitlement Management Enhancements in 2026.04

The following enhancement to entitlement management was added in the 2026.04 release.

### Improved Feature Control and Provisioning for Cloud License Server

(FNE-24318)

FlexNet Operations now provides enhanced control over which license features are provisioned to Cloud Licensing Service (CLS) instances. This enhancement is controlled by a new configuration option in the FlexNet Operations Producer Portal, **Enable feature filtering on Cloud License Servers** (under

**System > Configure > FlexNet Operations > Embedded Device Settings**) which allows producers to explicitly manage which features are published to a Cloud License Server. Note that the configuration only applies to features, but not feature bundles.

When this configuration option is selected, the **Create a Feature** page in the Producer Portal displays an **Include on Cloud License Server** checkbox. Producers can use this checkbox to explicitly select which features should be provisioned to a Cloud License Server. When the option is unselected, the checkbox is hidden and all features are provisioned to the Cloud License Server by default.

By default, **Enable feature filtering on Cloud License Servers** is not selected, meaning producers will not see the checkbox and existing behavior—all features are provisioned to the Cloud License Server—is preserved.



---

**Important** ▪ *Selecting **Enable feature filtering on Cloud License Servers** is discouraged. As a best practice, entitlements should be configured to include only the licenses that need to be mapped to a Cloud License Server, rather than excluding features by using this option. This approach reduces unnecessary processing in the back office. Additionally, the license mappings shown in the Producer Portal may not match what appears in the **/features** endpoint for the Cloud License Server.*



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**Note** ▪ See also [Selecting Features for Provisioning on Cloud License Server](#).

## Export and Import Enhancements in 2026.04

The following enhancement involving the Data Export and Import functionality was added in the 2026.04 release.

### Selective Product Export Enhancement

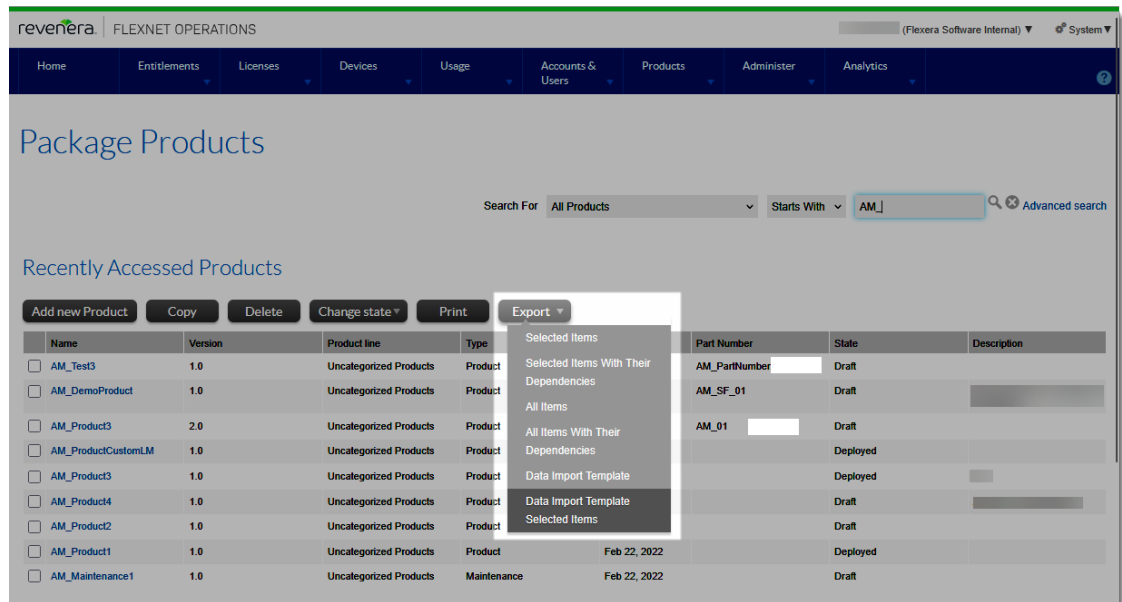
(Cases 02812468, 04306478; SWM-29786)

Previously, when exporting product data from the **Package Products** page by clicking **Export > Data Import Template**, FlexNet Operations generated an Excel file containing all products, regardless of which products were selected in the UI. This made it difficult to work with a specific subset of products.

Starting with the 2026.04 release, FlexNet Operations now supports selective product export. You can generate and download an Excel file that includes only the products you selected in the **Products** page.

### New “Data Import Template Selected Items” Option

To enable users to export only a subset of products, the **Package Products** page now includes an additional option called **Data Import Template Selected Items** in the **Export** menu, as shown in this screenshot:



When exporting selected products using the **Data Import Template Selected Items** option, the generated Excel file includes the same set of worksheets as when exporting all products. Specifically, the export includes the following information for the selected products:

- Maintenance
- Part numbers
- Product relationships
- Features

The following screenshot shows an example of the exported Excel file:

|   | A                   | B              | C              | D              | E                 | F           | G              | H            | I              | J           | K        |
|---|---------------------|----------------|----------------|----------------|-------------------|-------------|----------------|--------------|----------------|-------------|----------|
| 1 | TransactionType     | ProductName    | ProductVersion | OldProductName | OldProductVersion | DeployState | Description    | FeatureName  | FeatureVersion | FeatureType | Quantity |
| 2 | CreateUpdateProduct | Demo Product 1 | 1.0            |                |                   | Deployed    |                |              |                |             |          |
| 3 | CreateUpdateProduct | Demo Product 2 | 1.0            |                |                   | Deployed    | Demo feature   | 2026 Feature | 1.1            |             | 1        |
| 4 | CreateUpdateProduct | Demo Product 3 | 2.0            |                |                   | Deployed    | Demo feature 2 |              |                |             |          |
| 5 | CreateUpdateProduct | Demo Product 4 | 2.0            |                |                   | Deployed    | Demo feature 3 | DemoFeature3 |                |             | 1        |
| 6 | CreateUpdateProduct | Demo Product 5 | 2.0            |                |                   | Deployed    |                |              |                |             | 1        |
| 7 | CreateUpdateProduct | Demo Product 6 | 2.0            |                |                   | Deployed    |                |              |                |             | 1        |

## SOAP and REST Web Services Enhancements in 2026.04

The following enhancement was added to the SOAP and REST Web Services module in the 2026.04 release.

### Selecting Features for Provisioning on Cloud License Server

(FNE-24318)

The ProductPackagingService web service has been enhanced to support more granular control over feature provisioning on Cloud Licensing Service (CLS) instances.

A new optional boolean field, **IncludeOnClis**, has been added to the **createFeature** and **updateFeature** APIs. This field indicates whether a feature will be provisioned on the Cloud License Server.

The **IncludeOnClis** flag is evaluated only when the configuration **Enable feature filtering on Cloud License Servers** (under **System > Configure > FlexNet Operations > Embedded Device Settings**) is enabled in the FlexNet Operations Producer Portal (see also [Improved Feature Control and Provisioning for Cloud License Server](#)). In all other cases, this field is ignored.

**Settings:**

- **true**—Default setting. All features are provisioned on the Cloud License Server.
- **false**—Prevents a feature from being provisioned on the Cloud License Server.



**Important** ▪ Use of this option is discouraged. As a best practice, entitlements should be configured to include only the licenses that need to be mapped to a Cloud License Server, rather than excluding features by using this field. This approach helps reduce unnecessary processing in the back office. Additionally, the license mappings shown in the Producer Portal may not match what appears in the **/features** endpoint for the Cloud License Server.



**Note** ▪ For detailed information about the changes made to the `productPackagingTypes.xsd` file, see the [Change Log for 2026.04](#).

## Features and Enhancements in 2026.03

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.03 release:

- [Device Management Enhancements in 2026.03](#)
- [Documentation Enhancements in 2026.03](#)
- [Entitlement Management Enhancements in 2026.03](#)
- [SOAP and REST Web Services Enhancements in 2026.03](#)

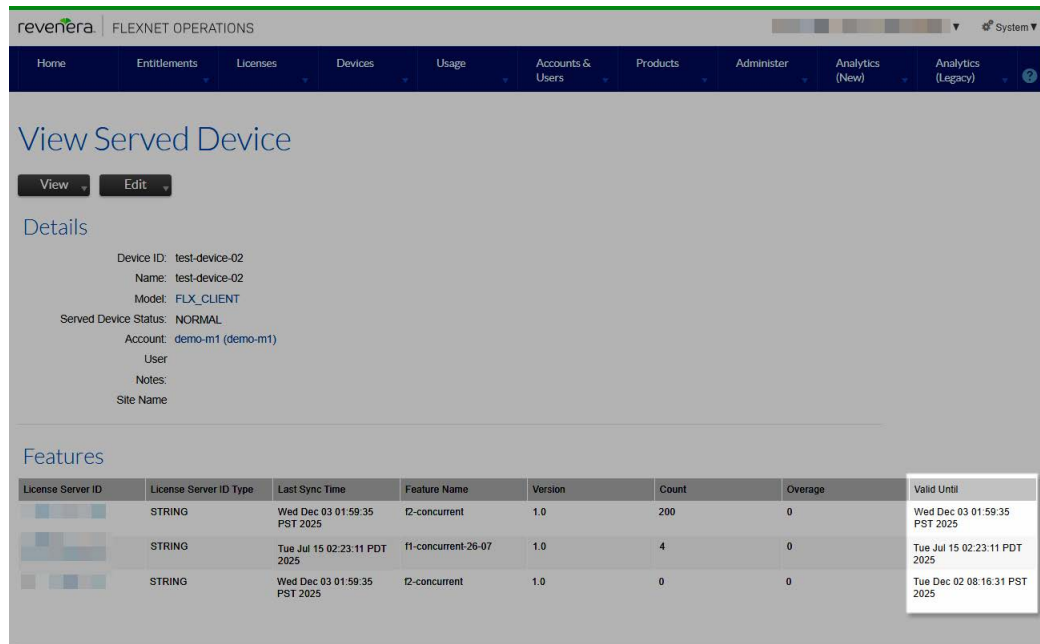
## Device Management Enhancements in 2026.03

The following enhancement to device management was added in the 2026.03 release.

### Expiry Times Displayed in User Time Zone on the View Served Device Page

(Case 03940309, SWM-30295)

Previously, license expiry times on the **View Served Device** page were always displayed in a fixed system time zone (such as Pacific Time). As a result, users often needed to manually convert times to determine when a feature would actually expire. This could lead to confusion, errors, and inefficiencies when monitoring license usage and expiry dates across teams in different geographic locations.



**Figure 12:** The **View Served Device** page showing expiry times in Pacific Time.

To address this, FlexNet Operations now supports displaying license expiry times for served devices on the **View Served Device** page using the logged-in user's configured time zone. When enabled, this provides a clearer and more predictable experience when monitoring license expiry information.

This behavior applies to devices served by both local license servers and Cloud Licensing Service (CLS) instances. The logged-in user's configured time zone can be viewed on the **Edit Profile** page, as shown in the following example:

revenera | FLEXNET OPERATIONS

Home Entitlements Licenses Devices Usage Accounts & Users Products

## Edit Profile

User name\* @revenera.com

First name\*

Last name\*

Email address\* @revenera.com

Receive email messages ☒ No ☐ Yes

Password

New password

Confirm new password

Security question\* In what city or town was your first job? ▼

Security answer

Container registry secret  Copy Reset

Phone

Fax

Street

City

State/Province

Zip/Postal code

Country United States ▼

Locale English (United States) ▼

Timezone (GMT -8.0) Pacific Time ▼

Account MYORG (MYORG) ▼

Shared Login ☐

Created Apr 23, 2024 8:34:03 AM

Last login Mar 3, 2026 6:37:01 AM

**Figure 13:** Example of the **Edit Profile** page, showing the logged-in user's time zone.

### Enabling New Behavior

By default, the existing behavior remains unchanged and license expiry times will continue to be displayed in the system time zone (Pacific Time).

Producers who want license expiry times for served devices to be shown in the logged-in user's configured time zone must contact Revenera Support to request that this feature be enabled.

## Documentation Enhancements in 2026.03

The following enhancement to FlexNet Operations documentation was added in the 2026.03 release.

### FlexNet Operations API Documentation Consolidated

Beginning with the 2026.03 release, the API documentation for the Data Access API, Registry Service API, and Access Token Controller API has been consolidated into a single, unified reference.

Previously, documentation for these APIs was available through multiple links listed on [docs.revenera.com](https://docs.revenera.com). From the 2026.03 release onwards, the API documentation is available through a single link on [docs.revenera.com](https://docs.revenera.com), called **FlexNet Operations API Reference** (<https://fnoapi.redocly.app/>).

To minimize disruption, customers who have bookmarked the previous documentation links will be automatically redirected to the new FlexNet Operations API Reference. The legacy API documentation links on [docs.revenera.com](https://docs.revenera.com) will be removed.

This consolidation provides a more streamlined and consistent documentation experience for FlexNet Operations APIs.

## Entitlement Management Enhancements in 2026.03

The following enhancement to entitlement management was added in the 2026.03 release.

### Entitlement Line Custom Attributes Available in Entitlement Certificate Email Templates

(Case 04307435, SWM-29966)

The Entitlement Certificate email template has been enhanced to support entitlement line-level custom attributes.

Previously, the email template supported only account-level custom attributes, which limited the ability to include entitlement line-specific information in entitlement certificate emails. As a result, entitlement certificate emails could lack important details needed for downstream installation or activation workflows.

With this enhancement, a new merge tag, `[[ENT_LINE_CA]]`, is now available for use in Entitlement Certificate email templates. This tag allows entitlement line custom attribute values to be included directly in the certificate content:

- Custom attribute number
- Custom attribute text
- Custom attribute date
- Custom attribute boolean value

The following screenshot shows how these values could be used in an email template:

**Email Template Content**

Note: To ensure that the widest possible audience is able to view the email, if you enter HTML content, we recommend you also supply text content.

English
French (France)
Japanese (Japan)

**Subject** EntitlementID: [[EntitlementID]]

**Text Content**

Dear [[Firstname]],  
EntitlementID: [[EntitlementID]]  
Partner Tier Name: [[PartnerTierName]]  
Org Name: [[OrgName]]  
Contact Name: [[ContactName]]  
Account Name: [[AcctId]]

the right to activate the following product(s):  
[[FOR-EACH TAG="EntitlementLineItem"]] [[END FOR-EACH]]  
[[FOR-EACH TAG="EntitledProduct"]]  
[[FOR-EACH TAG="EntitledProduct"]]Product Description : [[Description]][[END FOR-EACH]]  
<br>  
Activation ID : [[ActivationID]]<br>  
Custom Attribute Number : [[ENT\_LINE\_CA CODE="Number"]]<br>  
Custom Attribute Text : [[ENT\_LINE\_CA CODE="Text"]]<br>  
Custom Attribute Date : [[ENT\_LINE\_CA CODE="CA2Date"]]<br>  
Custom Attribute Boolean : [[ENT\_LINE\_CA CODE="CA2Boolean"]]<br>  
[[END FOR-EACH]]</p>  
</body></html>

**Figure 14:** Example of an email template including entitlement line custom attribute values.

The template engine has been updated to retrieve and populate entitlement line custom attributes for each entitlement line item during certificate generation. These values are now visible both when viewing the entitlement certificate in the user interface and in the entitlement certificate email attachment. This enhancement works consistently across the **List Entitlements** and **List Entitlements By Order** workflows.

### Key Benefits

- Entitlement line item details can be included directly in the certificate email via `[[ENT_LINE_CA]]`. Reduced need for manual data handling outside of FlexNet Operations.
- Eliminates manual copy-paste steps, accelerating installation preparation.
- Prevents accidental alterations to activation codes or formatting, ensuring accurate license delivery.
- The certificate email can now be used as-is to generate text-based license files.

## SOAP and REST Web Services Enhancements in 2026.03

The following enhancements were added to the SOAP and REST Web Services module in the 2026.03 release.

- Vendor Dictionary Metadata Available in `searchDevicesRequest` in `ManageDeviceService`
- Device UUID Now Returned in Capability Response SOAP Calls

### Vendor Dictionary Metadata Available in `searchDevicesRequest` in `ManageDeviceService`

(SWM-31270)

The searchDevicesRequest SOAP endpoint has been enhanced to include device-level metadata stored in the <vendorDictionary> element.

Previously, <vendorDictionary> was available only through the getDevicesRequest endpoint. As recent platform capabilities and migration workflows rely on searchDevicesRequest, the absence of vendor dictionary data limited the ability to retrieve and work with device-specific metadata during migrations and operational processes.

In FlexNet Operations 2026.03, a new version 9 of the ManageDeviceService SOAP web service is introduced. In this version, searchDevicesRequest fully supports <vendorDictionary> as an optional element, aligning its behavior with getDevicesRequest and providing consistent access to device metadata across SOAP endpoints.

## Key Changes

The update includes:

- **Schema extension**—Added <vendorDictionary> to the searchDevicesRequest response schema in ManageDeviceService version 9.
- **Query and return capability**—Metadata in <vendorDictionary> can now be:
  - returned in search results
  - used to filter/search devices as migration workflows require
- **Backward compatibility preserved**—Clients not expecting this field see unchanged default behavior.

## Sample Request and Response for searchDevices

The following sections show sample code for searchDevices using the <vendorDictionary> element:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v9.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:searchDevicesRequest>
      <!--Optional:-->
      <urn:queryParams>
        <urn:deviceId>
          <urn:value>Dev_LLS</urn:value>
          <urn:searchType>EQUALS</urn:searchType>
        </urn:deviceId>
      </urn:queryParams>
      <!--Optional:-->
      <urn:responseConfig>
        <!--Optional:-->
        <urn:name>>false</urn:name>
        <!--Optional:-->
        <urn:description>>true</urn:description>
        <!--Optional:-->
        <urn:status>>true</urn:status>
        <!--Optional:-->
        <urn:servedStatus>>true</urn:servedStatus>
        <!--Optional:-->
        <urn:hostTypeName>>true</urn:hostTypeName>
      </urn:responseConfig>
    </urn:searchDevicesRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```

<!--Optional:-->
<urn:hosted>false</urn:hosted>
<!--Optional:-->
<urn:soldTo>true</urn:soldTo>
<!--Optional:-->
<urn:hasLicense>true</urn:hasLicense>
<!--Optional:-->
<urn:bufferLicense>true</urn:bufferLicense>
<!--Optional:-->
<urn:addOnLicense>true</urn:addOnLicense>
<!--Optional:-->
<urn:publisherIdentity>false</urn:publisherIdentity>
<!--Optional:-->
<urn:parent>true</urn:parent>
<!--Optional:-->
<urn:machineType>false</urn:machineType>
<!--Optional:-->
<urn:vmDetails>true</urn:vmDetails>
<!--Optional:-->
<urn:userInfo>true</urn:userInfo>
<!--Optional:-->
<urn:lastRequestTime>true</urn:lastRequestTime>
<!--Optional:-->
<urn:lastSyncTime>true</urn:lastSyncTime>
<!--Optional:-->
<urn:addOnActivationId>false</urn:addOnActivationId>
<!--Optional:-->
<urn:addOnCounts>true</urn:addOnCounts>
<!--Optional:-->
<urn:addOnProduct>true</urn:addOnProduct>
<!--Optional:-->
<urn:addOnProductLine>true</urn:addOnProductLine>
<!--Optional:-->
<urn:addOnPartNumber>false</urn:addOnPartNumber>
<!--Optional:-->
<urn:addOnEntitlementId>true</urn:addOnEntitlementId>
<!--Optional:-->
<urn:vendorDictionary>true</urn:vendorDictionary>
<!--Optional:-->
<urn:hasUpdates>false</urn:hasUpdates>
<!--Optional:-->
<urn:addOnExpirationDate>true</urn:addOnExpirationDate>
<!--Optional:-->
<urn:siteName>true</urn:siteName>
</urn:responseConfig>
<!--Optional:-->
<urn:sortBy>
  <!--1 or more repetitions:-->
  <urn:sortBy>
    <urn:sortKey>DEVICE_ID_TYPE</urn:sortKey>
    <urn:ascending>false</urn:ascending>
  </urn:sortBy>
</urn:sortBy>
<!--Optional:-->
<urn:pageNumber>1</urn:pageNumber>
<!--Optional:-->

```

```

        <urn:batchSize>10</urn:batchSize>
    </urn:searchDevicesRequest>
</soapenv:Body>
</soapenv:Envelope>

```

The following shows sample code for a **searchDevices** response.

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="XML
Schema " xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <soapenv:Body>
        <searchDevicesResponse xmlns="urn:v9.fne.webservices.operations.flexnet.com">
            <statusInfo>
                <status>SUCCESS</status>
            </statusInfo>
            <devices>
                <device>
                    <deviceId>
                        <id>Dev_LLS</id>
                        <idType>ETHERNET</idType>
                        <publisherName>fnedemo</publisherName>
                        <deviceClass>SERVER</deviceClass>
                    </deviceId>
                    <hostTypeName>FLX_SERVER</hostTypeName>
                    <status>ACTIVE</status>
                    <soldTo>
                        <id>Account_A1</id>
                        <name>Account_A1</name>
                    </soldTo>
                    <hasBufferLicense>false</hasBufferLicense>
                    <hasAddonLicense>true</hasAddonLicense>
                    <addonLicense>AAAD5QAAjVL/////AAACwABAAAAAAMAAAAoAK0FAAACwCuAAAAB+kAAAAALAK8A
AAAAACwAAAAAsAAAAAAMAAAAACwDKAAAAAYAAAAALALgAAAAACAAAABMAtwJCQUNLX09GRK1DRQAAAAALAPAFAAAAACwBEA
AAAAAGAAAAATAEUCQkFDS19PRkZJQ0UAAAAACwArAAABUYAAAAALAF0AAAAAAMAAAAAsAXABpV738AAAAACwE1AAAAAAMAAAA
APAE0CRGV2X0xMUwAAAAALAKYAAAAAwAAAAAsAzgAAAAAAMAAAAADgDdAjMxOTEzMAAAAAAJKACKFAAAABwAzCgAAABEADgI
zRFB5cmFtaWQAAAAADwAHAmZuZWRIbW8AAAAACwAPAJEuMAAAAAARADQCcGVybWwFuZW50AAAAAACAggoAAAAANASsCRk1Y
RUQAAAAAFgCRAjNoeXgtMwYxbGM5dHJmAAAAACEALwUAAAAALAEQAAAAAAwAAAAA8ARQJEZXXfTExTAAAAAB0AQwUAAAAALA
EQAAAAABAAAAAsARQJBT1kAAAAACwC+AAAFRgAAAAALAL0AAAAABAAAAABIAOgIyLWphbi0yMDI2AAAAABIAPAIyLWphbi
0yMDI2AAAAABKA0AJsd17bG1jZW5zZV90eXB1fQAAAAAPAD8CcmVycTEyMwAAAAANADsCQ211bmEAAAAADQA5AjEYmZQ
1AAAAAG0BNQUAAATATECRW1iZWRFCHJvZDEAAAAACwEzAjEuMAAAAAAAZATQCRU5UX1Z1bkRyY3Rpb25hcnkAAAAALwEy
AjbBhZTgtYjdmOC0wMwQ3LTRjOGItYTk0YS0wOTdmLTkyNmQtY2NmZQAAAAACvAGoFAAACwBsAAAAAAMAAAAALAJIAAAAAA
AAAAAsAUwAAAAABAAAAhwBrCwPmsNbM940tP81evVXCHgNmOtI6nWeIUbAxafN2MMwN9tUmYezqrY8m+MCMky1IFUjYR1
08X72C3MwjqYu+dS5TQqrmZBxGKYeVT+acd50Viwx19UwQGMKCMQT8kPzWyKxsD9xtpJBr/NSgUFDrmHJbzMmrvkEkw5o
RRhY6CDuvAAAAArwBqBQAAAAAsAbAAAAAADAAAAACwSAAAAAAMAAAAALAFMAAAAAAQAAAIcAawuy+w1E/uQqtFbP86QigZk1
o6wXmV/cZSHmNdIUP+rSaGKC24Bc8x53o/Ih90cjh/8ZfIPwQeteuMvMooGD1396W70Y7MfSmD5adkfQrUHMFFjasL4Cr
IssdvGFwHmBT4ra7+Q0Ad9Zz1RlgrxRmUzkv0vQI153x1XU6BF7dnnJw==</addonLicense>
                    <lastModified>2026-01-02T12:45:51.120Z</lastModified>
                    <lastRequestTime>2026-01-02T12:45:48.000Z</lastRequestTime>
                    <addon>
                        <entitlementId>ENT_VenDictionary</entitlementId>
                        <requestedCopies>1</requestedCopies>
                        <consumedCopies>1</consumedCopies>
                        <generatedCopies>1</generatedCopies>
                        <licenseState>LICENSE_GENERATED</licenseState>
                        <productList>
                            <entitledProduct>
                                <product>
                                    <primaryKeys>

```

```

        <name>Embed_prod1</name>
        <version>1.0</version>
    </primaryKeys>
    <productLine>Uncategorized Products</productLine>
</product>
<quantity>1</quantity>
</entitledProduct>
</productList>
<addOnExpirationDate>9999-12-31T00:00:00.000Z</addOnExpirationDate>
</addOn>
<vendorDictionary>
    <entry>
        <name>FLX_DEVICE_SOLD_TO</name>
        <stringValue>Account_A1</stringValue>
    </entry>
</vendorDictionary>
</device>
</devices>
</searchDevicesResponse>
</soapenv:Body>
</soapenv:Envelope>

```



**Note** ▪ For detailed information about the changes made to the *ManageDeviceService.wsdl* file and its associated *.xsd* file in version 9, see the [Change Log for 2026.03](#).

## Device UUID Now Returned in Capability Response SOAP Calls

(SWM-30999)

When generating a capability response via the *generateCapabilityResponse* SOAP operation and including a line item section in the request, FlexNet Operations now populates and returns the device UUID in the SOAP response.

The following example shows the populated *uniqueId* value in the SOAP response:

```

<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>
    <generateCapabilityResponseResponse
      xmlns="urn:v8.fne.webservices.operations.flexnet.com">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
      <responseData>
        <device>
          <deviceIdentifier>
            <deviceType>CLIENT</deviceType>
            <uniqueId>2000000717835</uniqueId>
            <deviceId>stdl_130326</deviceId>
            <deviceIdType>STRING</deviceIdType>
            <publisherName>fnetest</publisherName>
          </deviceIdentifier>
          <addOnLicense>AAAC9QAaba7/////AAACwABAAAAAMAAAAoAK0FAAACwCuAAAAB+oAAAAALAK8AAAAABAAAAAsAA

```

```

AAAAAAAAACwDKAAAAAYAAAAALgAAAAACAAABMAtwJCQUNLX09GRk1DRQAAAAA1APAFAAAAACwBEAAAAAAGAAAAATAEUC
QkFDS19PRkZJQ0UAAAAACwArAAABUYAAAAALAF0AAAAAAXABpuTKpAAAAACwE1AAAAAATAE0Cc3RkbF8xM
zAzMjYAAAAACwCmAAAAAGAAAAAM4AAAAAABUA3QIyMDAwMDAwNjI0ODYzAAAAABYBOAJhY2NvdW50XzEzMdMyNg
AAAAAWATkCYWNjb3VudF8xMzAzMjYAAAAABnQApBQAAAAcAMwoAAAAWAA4CZmVhdHVyZV8xMzAzMjYAAAAADwAHAmZuZXR
lc3QAAAAACwAPajEuMAAAAAARADQccGVybWVuZW50AAAAAAsAEAAAAAKAAAADQErAkZJWEVEAAAAABoAkQJwaXNkMjIw
MS0xZjFsY2llcGIAAAAAJQBDBQAAAAAsAAAAAAIAAAAEwBFAnN0ZGxfMTMwMzI2AAAAABMA0gIxNy1tYXItMjYyNgAAA
AATADwCMTMtbfYlTIwMjYAAAAAFgA7Ak15IENvcnBvcnF0aw9uAAAAAIYBNQUAAAAWATECcHJvZHVjdF8xMzAzMjYAAA
AACwEzAjEuMAAAAAAVATQCNGM5Mi1iZTQ5LWZlYzItNDJkZi1iNGE1LTZhODEtMjYyS1YmM4AAAAAC8BMgI4MTA1LTJ
lYmItNmQ2ZS00N2RmLWwNTAtOGQ1Yy0yNjZmLTg1YTUAAAAANQBqBQAAAAAsAbAAAAAACAAACwCSAAAAAALAFMA
AAAAA0AAu1P6I2mJ8AAAA1AGoFAAAACwBsAAAAAIAAAALAJIAAAAAAAsAUwAAAAAADAQBrC/VhFczo7
A==</addonLicense>
    <bufferLicense>false</bufferLicense>
  </device>
</responseData>
</generateCapabilityResponseResponse>
</soapenv:Body>
</soapenv:Envelope>

```

The `uniqueId` field has been defined since version 4 of the `ManageDevice` service's `generateCapabilityResponseResponse`, but was previously not populated in this scenario. Starting with this release, the field is now populated, enabling more complete and traceable audit data without introducing a new field or API version.

## Features and Enhancements in 2026.02

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.02 release:

- [Entitlement Management Enhancements in 2026.02](#)
- [User Experience Enhancements in 2026.02](#)

## Entitlement Management Enhancements in 2026.02

The following enhancement to entitlement management was added in the 2026.02 release.

### Corrected Behavior for “ALL” Product Line Assignments

(Case 03070509, SWM-27453)

When the configuration **Enable Product Lines for Products, Users, and Accounts** (under **System > Configure > FlexNet Operations > General Options**) is enabled, product lines can be assigned at both the organization and user levels. Previously, there was a special product line called “ALL” that was automatically assigned to newly created users. As per the documented definition, assigning ALL was expected to grant access to all product lines within the tenant.

However, assigning ALL to a user had no functional impact, and users did not automatically gain access to all product lines. Additionally, product lines created by one user and assigned to another often took a noticeable amount of time to reflect.

Another key gap was the absence of any defined relationship or enforcement logic between organization-level and user-level product line assignments, even though assignments existed at both levels.

## Fix and New Behavior

As part of this fix, the expected relationship and behavior between organization-level and user-level product line assignments has been clearly defined and implemented. When **Enable Product Lines for Products, Users, and Accounts** is enabled, the resulting behavior is as follows:

| Organization has "ALL" | User has "ALL" | Behavior                                                          |
|------------------------|----------------|-------------------------------------------------------------------|
| Yes                    | Yes            | User sees all products.                                           |
| Yes                    | No             | User sees products only from explicitly assigned user categories. |
| No                     | Yes            | User sees all products from org-assigned categories.              |
| No                     | No             | User sees products from categories assigned to both org and user. |

## User Experience Enhancements in 2026.02

The following user experience enhancements were added in the 2026.02 release:

- [Environment Details in Producer Portal Footer](#)
- [Easier Navigation from Line Items to Associated Devices](#)

### Environment Details in Producer Portal Footer

(Case 02907179, SWM-23101)

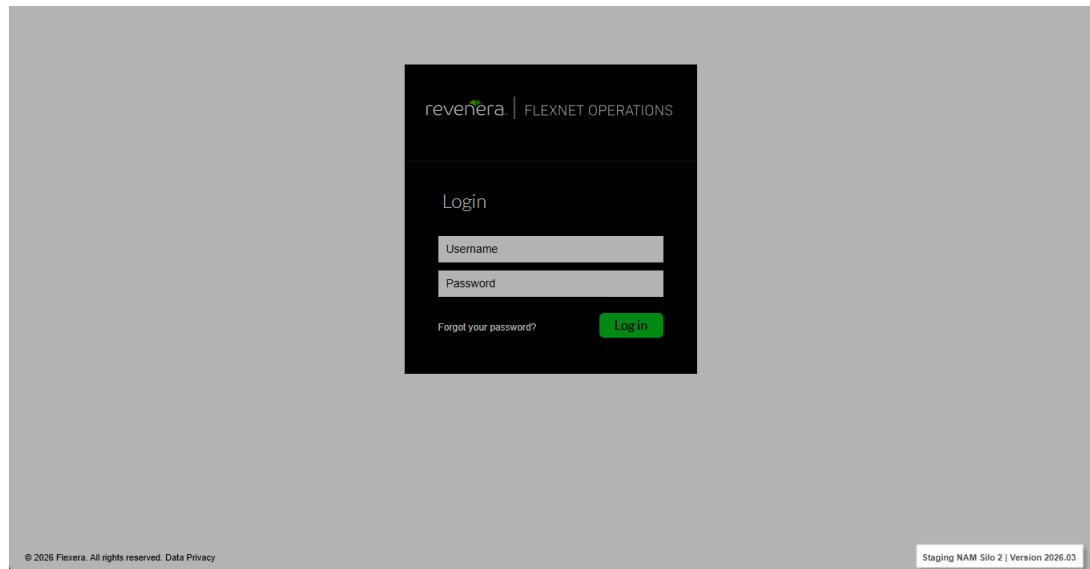
The FlexNet Operations Producer Portal footer now shows Environment, AWS Region, and Silo ID, giving customers quick visibility into the AWS shard hosting their deployment.

#### Implementation Details

In the bottom right corner of every page, the footer displays the following:

- **Environment:** Production, UAT, PCS, QA or Staging
- **Region:** NAM or EU
- **Silo:** Dynamically retrieved silo number based on request headers passed from API Gateway

The following screenshot shows an example of the new footer on the Producer Portal login page for a staging environment:



## Customer Benefits

Users now have immediate access to shard-specific environment details without needing backend access or support intervention. This enhancement:

- Improves customer autonomy when troubleshooting
- Ensures correct mapping to status page components
- Simplifies communication with Technical Support

## Easier Navigation from Line Items to Associated Devices

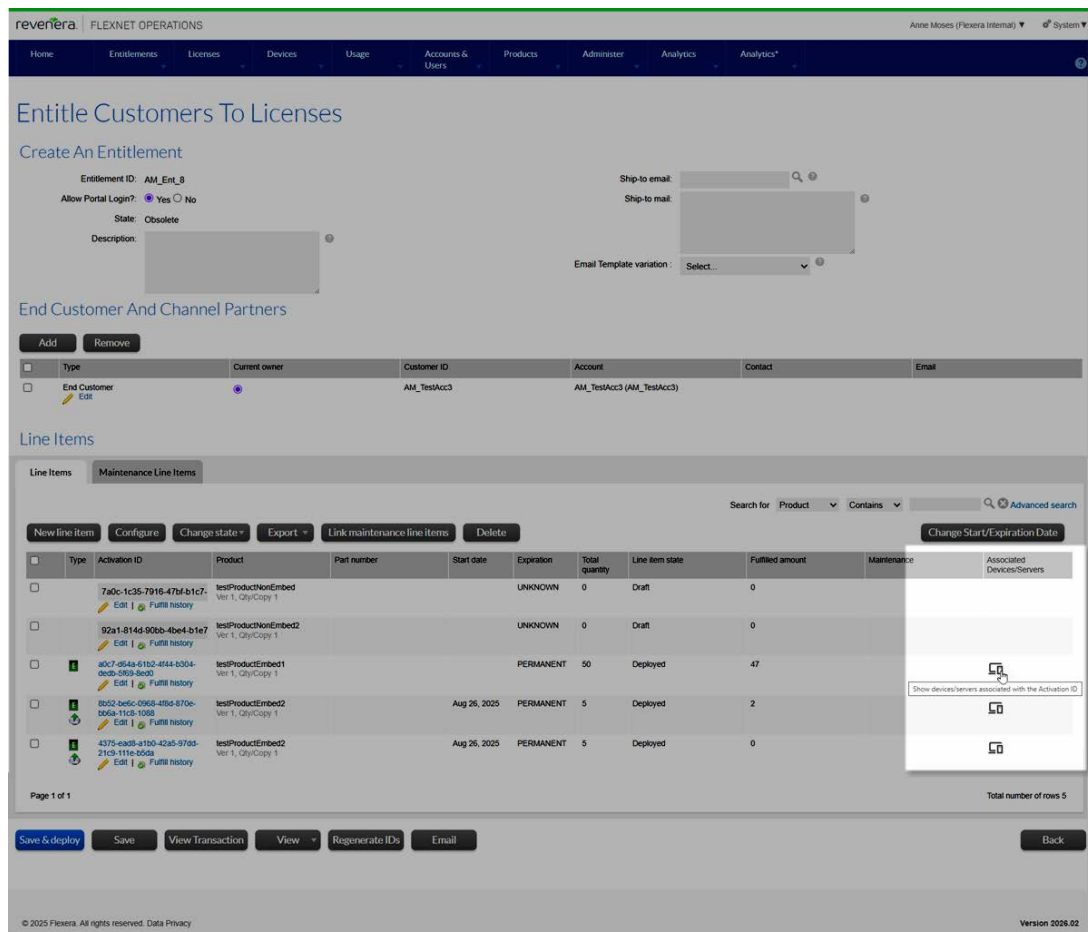
(Case 02870391, SWM-31441)

A new column named **Associated Devices/Servers** has been introduced in the **Line Items** section of the **Entitle Customers To Licenses | Create An Entitlement** page in the Producer Portal. This enhancement is applicable only for FlexNet Embedded products and provides additional device-related insights.

### Behavior of Associated Devices/Servers Column

- Displays an icon  for FlexNet Embedded products.
- Hovering over the icon shows a tooltip with the text: “Show devices/servers associated with Activation the icon opens the associated **Devices** page in a new browser window.

The following screenshot shows how the **Associated Devices/Servers** column with the new icons appears in the UI:



**Figure 15:** Clicking an icon in the **Associated Devices/Servers** column opens the **Devices** page which lists the devices or servers associated with the line item.

### Content of Devices Page

- On the **Devices** page, the list of devices is pre-filtered by the activation ID to show the related devices.
- Clicking the hyperlinked server/device name or ID on the **Devices** page opens the device view (unchanged behavior).

## Features and Enhancements in 2026.01

Features and enhancements were added to the following areas of FlexNet Operations in the 2026.01 release:

- [Data Analytics Enhancements in 2026.01](#)
- [Device Management Enhancements in 2026.01](#)
- [Entitlement Management Enhancements in 2026.01](#)
- [Security Enhancements in 2026.01](#)

- [SOAP and REST Web Services Enhancements in 2026.01](#)

## Data Analytics Enhancements in 2026.01

The following enhancement was made to the Analytics functionality in 2026.01.

### Product Suite Information in Analytics

(Case 03009114, SWM-30884)

We've enhanced the Analytics functionality by adding new columns to existing views. This improvement enables customers to retrieve detailed information about product suites and their associated products, providing better relational insights.

The following table lists the modified views and changes:

| Views Modified     | Columns Added       | Description                |
|--------------------|---------------------|----------------------------|
| VW_SUITE_PRODUCTS  | SUITE_DESCRIPTION   | Description of the Suite   |
| VW_PRODUCT_FEATURE | PRODUCT_DESCRIPTION | Description of the Product |

The new fields can also be extracted using the [Data Access API](#) (DAPI).

## Device Management Enhancements in 2026.01

The following enhancement to device management was added in the 2026.01 release.

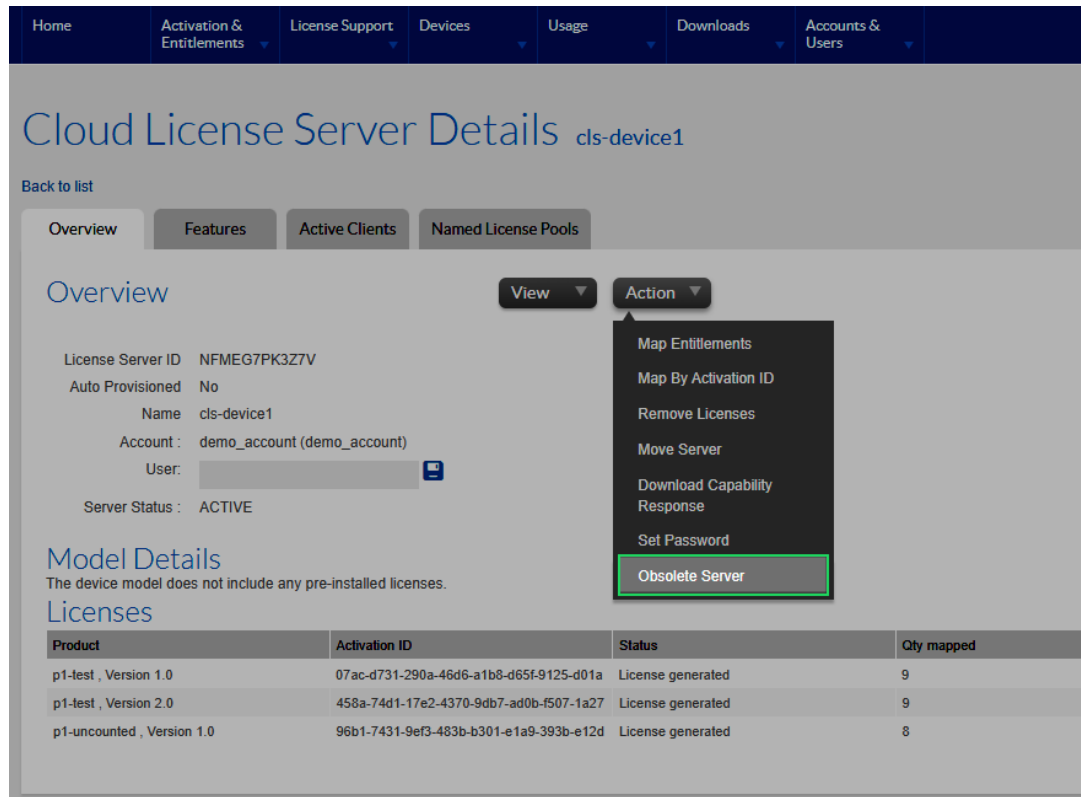
### Obsoleting Cloud License Servers in End-User Portal

(Case 03906962, SWM-30696)

In the 2025.12 release, we introduced new functionality in the End-User Portal that allowed end users to obsolete local license servers and devices from the **View Server** and **Device** pages.

This capability has now been extended to include Cloud Licensing Service (CLS) instances.

Users can obsolete a Cloud License Server from the **Cloud License Server Details** page by selecting **Obsolete Server** from the **Action** menu, as shown in the following screenshot:



The **Obsolete Server** action provides the same functionality as the **Make Obsolete** feature in the Producer Portal.

### Configuration & Permissions

The **Obsolete Server** option can be hidden by deselecting the system configuration option **Allow Obsolete Devices/Servers** (under **System > Configure > End-User Portal Setup > Devices Page**). By default, the configuration option is selected.

Only users with the permission **Obsolete Devices/Servers** (part of the **Account Permissions - End-User Portal** group) can view and use this action. This permission is assigned by default only to system administrator users.

## Entitlement Management Enhancements in 2026.01

The following enhancements to entitlement management were added in the 2026.01 release:

- Added Country Code IC (Canary Islands) to FlexNet Operations
- Bulk Upgrades with Auto Fulfillment – Increased Line Capacity

### Added Country Code IC (Canary Islands) to FlexNet Operations

(Cases 03569483, 03769701; SWM-29287)

FlexNet Operations now includes the ISO 3166-1 alpha-2 reserved country code **IC** for the **Canary Islands**, ensuring accurate regional handling in entitlement and customer management.

The Canary Islands have a unique customs and VAT status within Spain and the EU, recognized by the World Customs Organization. While officially part of Spain (code ES), the reserved code IC acknowledges their distinct economic and customs characteristics.

This enhancement removes the need for manual workarounds when creating entitlements for customers in the Canary Islands and helps producers correctly manage customers in FlexNet Operations as per the region where an order is coming from.

## Bulk Upgrades with Auto Fulfillment – Increased Line Capacity

(Case 02984932, SWM-25091)

We've enhanced the Bulk Upgrade with Auto Fulfillment capability to support processing jobs with up to 6,000 line items, compared to the previous limit of 1,000. This improvement eliminates the need for breaking large upgrade jobs into smaller batches, significantly reducing manual effort and saving several hours for customers performing large-scale upgrades.

The new capacity has been tested successfully with 6,000 line items, with jobs completing in approximately 1 hour and 14 minutes. If more than 6,000 items are selected, FlexNet Operations will prevent saving and display an error.

## Security Enhancements in 2026.01

The following enhancement related to FlexNet Operations security was added in the 2026.01 release.

### Input Validation in Accounts & Users Pages

(SWM-30769, SWM-30770)

We have added checks to prevent HTML tags being entered in user input fields on the **Accounts & Users** pages of the Producer Portal and End User Portal.

Any attempt to submit HTML or script content on the **Accounts & Users** page will trigger the following error message: "The fields <field name> contains HTML tags. Remove these tags before saving."

This fix improves security by blocking HTML injection. Only safe, non-HTML inputs are allowed.

**Figure 16:** An example of the error displayed when using HTML code on the **Create A User** page.

## SOAP and REST Web Services Enhancements in 2026.01

The following enhancement was added to the SOAP and REST Web Services module in the 2026.01 release.

### Device Retrieval by Order Parameters

(Case 04075157, SWM-29382)

The newly introduced version 8 of the Manage Device SOAP web service supports OrderID (Factory Order Number) and OrderLineNumber (Sales Order Number) as query parameters in getDevicesQuery and getDeviceCount.

This enhancement eliminates the need for multiple entitlement-based service calls, enabling:

- Direct device lookup using OrderID or OrderLineNumber
- Faster performance for large orders with hundreds of line items
- Improved scalability for cloud-based licensing portal operations

End users can now retrieve device details and counts quickly without delays caused by iterative calls.

### Usage Examples

The examples in this section illustrate how to use the query parameters OrderID and OrderLineNumber in a getDeviceCount and getDevicesQuery request.

#### getDeviceCount Request

Example for using the optional query parameters OrderID and OrderLineNumber in a getDeviceCount request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v8.fne.webservices.operations.flexnet.com">
```

```

<soapenv:Header/>
<soapenv:Body>
  <urn:getDeviceCountRequest>
    <!--Optional:-->
    <urn:queryParams>
      <!--Optional:-->
      <urn:orderId>
        <urn:value>2</urn:value>
        <urn:searchType>EQUALS</urn:searchType>
      </urn:orderId>
      <!--Optional:-->
      <urn:orderLineNumber>
        <urn:value>14</urn:value>
        <urn:searchType>EQUALS</urn:searchType>
      </urn:orderLineNumber>
    </urn:queryParams>
  </urn:getDeviceCountRequest>
</soapenv:Body>
</soapenv:Envelope>

```

### **getDevicesQuery Request**

Example for using the optional query parameters **OrderID** and **OrderLineNumber** in a **getDevicesQuery** request:

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v8.fne.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:getDevicesRequest>
      <!--Optional:-->
      <urn:queryParams>
        <!--Optional:-->
        <urn:orderId>
          <urn:value>2</urn:value>
          <urn:searchType>EQUALS</urn:searchType>
        </urn:orderId>
        <!--Optional:-->
        <urn:orderLineNumber>
          <urn:value>100</urn:value>
          <urn:searchType>EQUALS</urn:searchType>
        </urn:orderLineNumber>
      </urn:queryParams>
      <urn:pageNumber>1</urn:pageNumber>
      <urn:batchSize>100</urn:batchSize>
    </urn:getDevicesRequest>
  </soapenv:Body>
</soapenv:Envelope>

```



**Note** - For detailed information about the changes made to the `v8/manageDeviceTypes.xsd` file, see the [Change Log for 2026.01](#).

# System Requirements

Detailed system requirements for FlexNet Operations include the following.

| Requirement                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web browsers                 | <ul style="list-style-type: none"><li>• Microsoft Edge</li><li>• Mozilla Firefox 75.0</li><li>• Google Chrome 80.0.3987.163</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| FlexNet licensing module     | <ul style="list-style-type: none"><li>• FlexNet Publisher Toolkit 11.12.0 or later</li><li>• FlexNet Embedded Toolkit 2015 R2 or later</li></ul> <div></div> <p><b>Note</b> - FlexNet Operations supports these FlexNet Embedded host ID types: ETHERNET, INTERNET, INTERNET_6, FLEXID9, FLEXID10, STRING, USER, VM_UUID, EXTENDED, PUBLISHER_DEFINED, and CONTAINER_ID.</p>                                                                                                                                                                                          |
| Vendor certificate generator | <p>The current versions of the VCG kit are 12.11.0 and 16.2.2.0.</p> <p>These VCGs were tested with the following compilers:</p> <ul style="list-style-type: none"><li>• Windows—Visual Studio 2010 Professional Edition</li><li>• Linux—gcc 4.1.2 (RHEL 5.0)</li><li>• Linux—gcc 4.4.4 (RHEL 6.0)</li></ul> <div></div> <p><b>Note</b> - The 12.11.0 VCG is built with FlexNet Publisher 11.11.1 and shares the same minimum C compiler requirements on each supported platform. (See the FlexNet Publisher 11.11.1 release notes for C/C++ compiler support.)</p> |
| High Speed File Upload       | <p>If you intend to use the <b>High Speed Upload</b> option to upload files, the following plug-in is required:</p> <p>Aspera Connect 3.10.0 or later</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Resolved Issues

The following sections describe the issues that have been resolved in the FlexNet Operations 2026 releases to date:

- [Issues Resolved in 2026.07](#)
- [Issues Resolved in 2026.06](#)
- [Issues Resolved in 2026.05](#)

- [Issues Resolved in 2026.04](#)
- [Issues Resolved in 2026.03](#)
- [Issues Resolved in 2026.02](#)
- [Issues Resolved in 2026.01](#)

## Issues Resolved in 2026.07

Issues in the following areas were resolved in the FlexNet Operations 2026.07 release:

- [Entitlement Management Issues Resolved in 2026.07](#)

### Entitlement Management Issues Resolved in 2026.07

The following issues were resolved for entitlement management in the 2026.07 release.

- [Entitlement State Change Incorrectly Blocked When Moving from Deployed to Draft](#)
- [Changing Activation ID State After Activation Is No Longer Allowed](#)
- [Multi-Valued Text Custom Attribute Values Now Saved Correctly After Editing](#)

#### Entitlement State Change Incorrectly Blocked When Moving from Deployed to Draft

(SWM-34582)

When a producer attempted to change an entitlement from the Deployed state back to Draft, the system displayed an error indicating the entitlement was "Activated"—even when no license had been generated and no fulfillment history existed for the entitlement. This prevented producers from returning entitlements with certificate or trusted-type line items to Draft status, blocking legitimate corrections or modifications to entitlements that had never actually been fulfilled.

To address this, the entitlement state transition logic has been updated. When an entitlement contains line items (certificate or trusted type), FlexNet Operations validates whether the line item has already been activated before allowing or blocking the state transition.

With this update:

- The system now accurately determines whether a line item has genuinely been activated by checking for actual fulfillment history before restricting the state transition.
- The state change to Draft is only blocked when the line item is in an activated state.

This ensures that entitlements without actual activation are allowed to transition to Draft as expected, resolving the incorrect behavior.

#### Changing Activation ID State After Activation Is No Longer Allowed

(SWM-33666)

Previously, Activation IDs could have their status changed from Deployed to Draft even after the license had already been fulfilled (activated), resulting in inconsistent license states.

This issue has been resolved. Activation ID state changes are now correctly restricted once activation has occurred, preventing unintended changes and ensuring consistent license management.

## **Multi-Valued Text Custom Attribute Values Now Saved Correctly After Editing**

(SWM-33576)

FlexNet Operations was not correctly updating multi-valued text custom attribute values when edited on line items and maintenance line items. Specifically, when a multi-valued text custom attribute was deselected in an existing line item and the line item was saved, the custom attribute still appeared as selected when the line item was viewed again.

This led to inconsistent behavior where the UI reflected the deselection, but the saved data continued to show the previously selected values.

With this fix, FlexNet Operations now correctly captures user changes for multi-valued text custom attributes during edit operations.

The saved data accurately reflects the latest user input for both line items and maintenance line items.

## **Issues Resolved in 2026.06**

Issues in the following areas were resolved in the FlexNet Operations 2026.06 release:

- [Device Management Issues Resolved in 2026.06](#)
- [Electronic Software Delivery Resolved Issues in 2026.06](#)

## **Device Management Issues Resolved in 2026.06**

The following issue involving the management of devices was resolved in the 2026.06 release.

### **Preventing Creation of Devices with Empty Identifiers**

(SWM-32658)

In previous releases, device creation through API-based workflows could succeed even when the Device ID or Device Name contained only whitespace or invalid control characters. This occurred under certain internal configurations where input validation was not consistently enforced, resulting in devices with invalid or effectively empty identifiers. These devices were not visible through standard UI workflows and required backend investigation to identify and manage.

With this fix, device creation requests containing invalid, control, or whitespace-only identifier values are rejected, preventing the creation of inconsistent device records, improving alignment between API and UI workflows, and reducing the need for manual troubleshooting.

## **Electronic Software Delivery Resolved Issues in 2026.06**

The following issue was resolved in the Electronic Software Delivery (ESD) module in the 2026.06 release.

## MD5 Checksum Validation for File Uploads

(Case 02761062, SWM-19924)

The uploadFile SOAP operation in the Download Packaging SOAP web service (versions 1–4) now enforces MD5 checksum validation. When it receives a file upload request, the service computes the MD5 checksum of the staged file and compares it to the checksum provided by the client. If the checksums do not match, the upload is rejected with a CheckSumDoesNotMatchException error.

Previously, the web service returned a Success message even if an invalid checksum was provided. While it did not upload the file, no error message was returned, making it hard for users to identify the error.

This issue only impacted file upload using the Download Packaging SOAP web service. File uploads using the UI (on the **Upload File** page) could proceed as expected.

This change improves data integrity by ensuring that only files with matching checksums are accepted for upload, reducing the risk of corrupted or incomplete uploads. No changes are required for clients already providing correct checksums. Clients must ensure the MD5 checksum sent matches the file content.

## Issues Resolved in 2026.05

Issues in the following areas were resolved in the FlexNet Operations 2026.05 release:

- [Entitlement Management Issues Resolved in 2026.05](#)
- [SOAP and REST Web Services Issues Resolved in 2026.05](#)
- [User Experience Issues Resolved in 2026.05](#)

## Entitlement Management Issues Resolved in 2026.05

The following issues were resolved for entitlement management in the 2026.05 release.

- [Date Range Filtering Added to Request History Page](#)
- [Custom License Model Attribute Values Now Display Correctly in Entitlement Pages](#)

### Date Range Filtering Added to Request History Page

(SWM-32350)

Previously, the **Request History** page in the Producer Portal (available from **Administer > Request History**) could fail to load with a 504 Gateway Timeout error when retrieving a large volume of data.

To address this issue, **Request Start Date** and **Request End Date** fields have been added so that request history is loaded only for the specified date range, reducing the amount of data retrieved and preventing the timeout error. By default, when the page is loaded, request history for the past seven days is displayed.



**Figure 17:** Updated **Request History** page showing **Request Start Date** and **Request End Date** fields.

## Custom License Model Attribute Values Now Display Correctly in Entitlement Pages

(Case 02759674, SWM-21471)

In earlier releases of FlexNet Operations, custom license model attributes configured to appear on entitlement pages—such as **List Entitlements** and **Create Entitlement**—were visible in the Producer Portal, but their values were not displayed. This resulted in incomplete entitlement information when viewing or working with entitlements.

Starting with the 2026.05 release, this issue has been resolved. Custom License Model attributes now display their actual values correctly on **List Entitlements** and **Create Entitlement** pages ensuring that entitlement information is shown accurately and consistently in the UI.

| Type | Activation ID                           | Entitlement ID | Sold to                                                  | Product                              | Features    | Available quantity | Total quantity | Expiration  | License model | NewLMA_3 2470 | LMA_32470 | Maintenance |
|------|-----------------------------------------|----------------|----------------------------------------------------------|--------------------------------------|-------------|--------------------|----------------|-------------|---------------|---------------|-----------|-------------|
| NI   | e5b9-048-0502-4b5c-0be4-4503-004-abc1   | NewE2_32470    | BaryPhoto (BaryPhotography Studio)<br>Type: End Customer | NP1_32470<br>Version 1.0, Qty/Copy 1 | 11 1.0 more | 50                 | 50             | May 2, 2025 | NewLMA_32470  | 32470         |           |             |
| NI   | 3ad1-c405-916c-41ff-b05b-e19c-304-08d4  | NewE2_32470    | BaryPhoto (BaryPhotography Studio)<br>Type: End Customer | NP_32470<br>Version 1.0, Qty/Copy 1  | 12312 1.0   | 56                 | 56             | May 2, 2025 | NewLMA_32470  | 32470         |           |             |
| NI   | 6b0e-445e-8e12-4756-9f1c-bd51-3a0a-269d | NewE2_32470    | BaryPhoto (BaryPhotography Studio)<br>Type: End Customer | NP_32470<br>Version 1.0, Qty/Copy 1  | 12312 1.0   | 90                 | 90             | May 2, 2025 | NewLMA_32470  | 32470         |           |             |

**Figure 18:** The **List Entitlements** page showing custom license model attribute fields with their corresponding values.

This fix restores expected behavior for workflows that rely on License Model attribute values when reviewing or managing entitlements.

## SOAP and REST Web Services Issues Resolved in 2026.05

The following issues related to FlexNet Operations Web Services were addressed in the 2026.05 release:

- **Product Description Updates via SOAP API Now Supported When Editing of Deployed Entities Is Disabled**
- **Improved Validation and Error Messaging in createFile Operation (Download Packaging Service)**
- **Advanced Notice: Removing Redundant Column from Product Feature View in Data Access API**

### Product Description Updates via SOAP API Now Supported When Editing of Deployed Entities Is Disabled

(Case 02540361, SWM-21040)

Previously, once a product was deployed, validation logic treated all product updates as edits to deployed entities. As a result, **updateProductRequest** SOAP calls to update the product description failed with a validation error when **Allow Editing of Deployed Entities** was unselected.

This behavior could cause issues for customers who relied on SOAP-based integrations to perform non-critical, metadata-only updates to products after deployment, without enabling the configuration due to the risk of unintentionally modifying critical deployed entities.

To address the problem, the following changes have been implemented in the 2026.05 release (all versions of the Product Packaging Service):

- Product description updates via the **updateProductRequest** SOAP API are now explicitly allowed even when **Allow Editing of Deployed Entities** is unselected.
- Validation logic has been refined so that critical deployed entities remain protected, and only safe, descriptive fields are permitted to be updated without enabling the configuration.

As a result, customers can update product descriptions through existing SOAP integrations without enabling editing of deployed entities, while preserving the original security intent of the configuration.

### Sample Request and Response for updateProductRequest

The following section shows sample code for **updateProductRequest**.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v3.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:updateProductRequest>
      <!--1 or more repetitions:-->
      <urn:product>
        <urn:productIdentifier>
          <!--Optional:-->
          <urn:primaryKeys>
            <urn:name>ProductP1</urn:name>
            <urn:version>1.0</urn:version>
          </urn:primaryKeys>
        </urn:productIdentifier>
        <!--Optional:-->
        <urn:version>1.0</urn:version>
        <!--Optional:-->
        <urn:description>updated description</urn:description>
        <!--Optional:-->
      </urn:product>
    </urn:updateProductRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

The following section shows sample code for **updateProductResponse**.

```
<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>
    <updateProductResponse xmlns="urn:v3.webservices.operations.flexnet.com">
      <statusInfo>
        <status>SUCCESS</status>
      </statusInfo>
    </updateProductResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## Improved Validation and Error Messaging in createFile Operation (Download Packaging Service)

(Case 04833858, SWM-31629)

The **createFile** operation of the Download Packaging Service (versions 1 - 4) has been updated to improve validation handling and error message clarity when input field length limits are exceeded.

Previously, when the **FileID** or **Description** fields exceeded allowed length constraints, the service returned a generic error message ("Business object can only be retrieved after successfully processing"). This behavior masked the underlying validation issue and made troubleshooting difficult.

With this update, the service now performs proper length validation and returns clear, field-specific error messages when constraints are violated. For example:

- For **FileID** exceeding 100 characters:

File/FileID: The value, "Sample File ID ...", exceeds the maximum length of 100.

- For **Description** exceeding 500 characters:

File/Description: The value, "Sample file description ...", exceeds the maximum length of 500.

These improvements ensure that validation errors are returned accurately and consistently across all versions of the DownloadPackagingService, resulting in more predictable behavior for SOAP web service consumers.

## Advanced Notice: Removing Redundant Column from Product Feature View in Data Access API

(Case 05011595, SWM-33947)

The **Product Feature** view of the Data Access API will be restructured to focus on *product-to-feature* and *product-to-feature-bundle* relationships. The SUITE\_PRODUCT\_DELETED column will no longer be required in the product feature context and will be removed to improve schema clarity. This change will occur in the 2026.07 release.

Customers whose downstream pipelines explicitly reference this column (for example, loading all columns from shared views) will need to update their schemas. From the 2026.07 release onwards, suite-product deletion status can be obtained from SEC\_VW\_SUITE\_PRODUCTS.

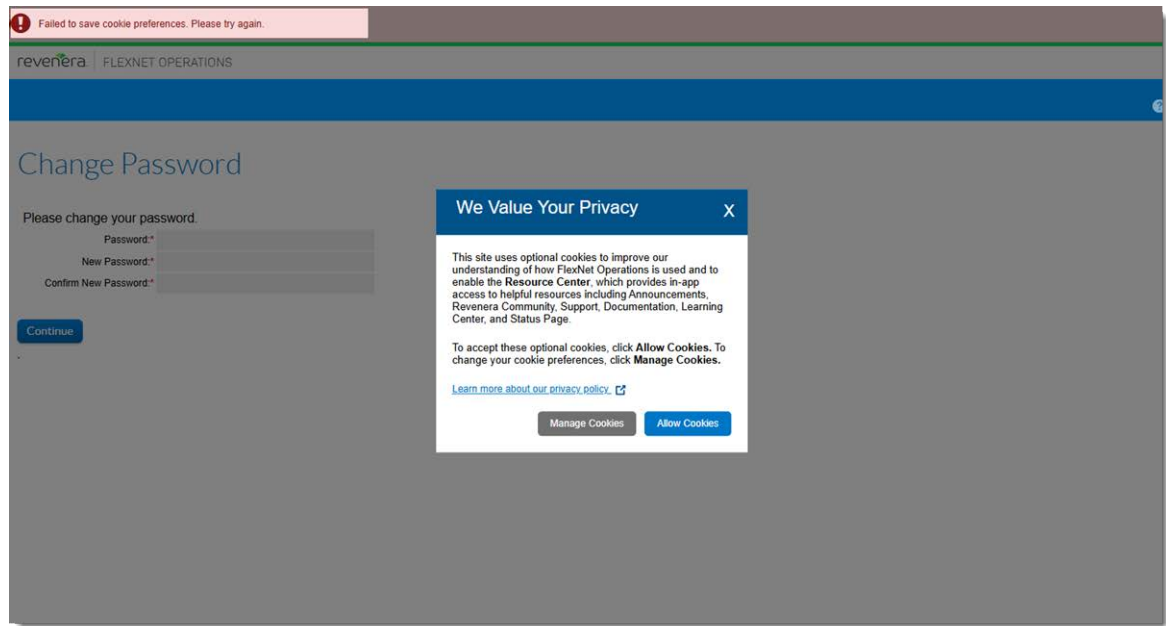
## User Experience Issues Resolved in 2026.05

The following issue related to user experience was addressed in the 2026.05 release.

### Cookie Preferences Dialog No Longer Appearing During Password Reset

(05010082, SWM-33330)

In the previous release, during the password reset flow, the cookie preferences pop-up could appear before the user was logged in. If the user selected **Allow Cookies** at that point, FlexNet Operations displayed a 403 Forbidden error with the message "Failed to save cookie preferences. Please try again."



**Figure 19:** The cookie preferences pop-up could appear mid-flow.

Starting with the 2026.05 release, this issue has been resolved. The cookie preferences prompt no longer interrupts the password reset flow, and users can complete the reset process without encountering an error when managing cookie preferences.

## Issues Resolved in 2026.04

Issues in the following areas were resolved in the FlexNet Operations 2026.04 release:

- [Electronic Software Delivery Resolved Issues in 2026.04](#)
- [Entitlement Management Issues Resolved in 2026.04](#)
- [Security Issues Resolved in 2026.04](#)
- [User Experience Issues Resolved in 2026.04](#)

## Electronic Software Delivery Resolved Issues in 2026.04

The following issue was resolved in the Electronic Software Delivery (ESD) module in the 2026.04 release.

### Download Package LastModifiedDateTime Field Updated After Reidentification (DownloadPackagingService)

(Case 04833833, SWM-31657)

When a download package is reidentified, FlexNet Operations now updates the **LastModifiedDateTime** field returned by the `getDownloadPackageQuery` request (DownloadPackagingService web service). Previously, although the **Search Results: Transactions** page showed the correct dates (see screenshot below), the SOAP API continued to return the old timestamp. The **LastModifiedDateTime** field is now consistent across the UI and web service and reflects the most recent change.

| System Trans ID | Trans ID | BatchID | Process Start Time        | Process End Time          | Submitted by | Status     | Trans Type                       | Object ID   |
|-----------------|----------|---------|---------------------------|---------------------------|--------------|------------|----------------------------------|-------------|
| 5656037648      |          |         | Apr 1, 2026 23:21:55 PDT  | Apr 1, 2026 23:21:55 PDT  |              | Successful | Reidentify Product               | AS_DP_09111 |
| 5101222992      |          |         | Nov 27, 2022 01:19:08 PST | Nov 27, 2022 01:19:08 PST |              | Successful | Remove Product from Catalog Item | AS_DP_09111 |
| 5101222592      |          |         | Nov 27, 2022 01:18:13 PST | Nov 27, 2022 01:18:13 PST |              | Successful | Add Product to Catalog Item      | AS_DP_09111 |
| 4955334942      |          |         | Jan 5, 2022 06:24:33 PST  | Jan 5, 2022 06:24:33 PST  |              | Successful | Add/Update Product               | AS_DP_09111 |
| 4955149292      |          |         | Jan 4, 2022 20:58:20 PST  | Jan 4, 2022 20:58:21 PST  |              | Successful | Add/Update Product               | AS_DP_09111 |
| 4862886802      |          |         | Sep 5, 2021 21:42:45 PDT  | Sep 5, 2021 21:42:45 PDT  |              | Successful | Update Product                   | AS_DP_09111 |
| 4862883832      |          |         | Sep 5, 2021 21:41:16 PDT  | Sep 5, 2021 21:41:16 PDT  |              | Successful | Update Product                   | AS_DP_09111 |
| 4775670272      |          |         | Jul 5, 2021 16:43:34 PDT  | Jul 5, 2021 16:43:34 PDT  |              | Successful | Add/Update Product               | AS_DP_09111 |

## Entitlement Management Issues Resolved in 2026.04

The following issues were resolved for entitlement management in the 2026.04 release.

- Improved Clarity When Editing License Model Attributes
- Entitlement Email Requests Now Return Immediate Validation Errors

### Improved Clarity When Editing License Model Attributes

(Case 04578889, SWM-31554)

In earlier releases, when editing a license model attribute associated with a deployed license technology, the Producer Portal UI displayed success messages for certain changes—such as marking an attribute as Required or modifying the selected options under **When to request this attribute value**—even though these changes were not applied. After refreshing or reopening the license model attribute, the values remained unchanged.

The following screenshot shows the previous behavior, where the **Create Custom Attribute | Create a License Model Attribute** page displayed a success message (“License model attribute successfully edited”) even though the changes were not persisted.

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Home Entitlements Licenses Devices Usage Accounts & Users Products Administer Analytics

**i** License model attribute successfully edited.

## Create Custom Attribute

### Create A License Model Attribute

Name: AM\_LicenseModelAttribute

License technology: TempLicTech

Status: ☒ Active ☐ Inactive

When to request this attribute value:

- ☒ License model creation
- ☒ Entitlement
- ☒ Fulfillment
- ☐ Make this a required attribute

Type: ☐ Number ☒ Text ☐ Long text ☐ Boolean ☐ Date

Max length: 128

Text type: ☒ Free form ☐ Single select ☐ Multi-valued text

Display type: ☒ Text field ☐ Text area

Save Add new Reset Cancel

#### Saved License Model Attributes

| Name                     | License technology |
|--------------------------|--------------------|
| AM_LicenseModelAttribute | TempLicTech        |

**Figure 20:** The **Create Custom Attribute | Create a License Model Attribute** page showing a success message, even though changes did not persist.

In 2026.04, the UI has been enhanced to clearly indicate which fields can be edited based on the state of the associated license technology. When the license model technology is Deployed, any non-editable fields on the **Create Custom Attribute | Create a License Model Attribute** page are now disabled (grayed out).

The following screenshot shows the updated behavior, where non-editable fields are clearly grayed out. This includes:

- The **Make this a required attribute** checkbox
- The **When to request this attribute value** checkboxes

These settings can be modified only when the associated license technology is in Draft state, providing clearer guidance and preventing misleading success messages.

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## Create Custom Attribute

### Create A License Model Attribute

Name: L1MA

License technology: L1-Test

Status: ☒ Active ☐ Inactive

When to request this attribute value:

- ☒ License model creation
- ☒ Entitlement
- ☐ Fulfillment
- ☒ Make this a required attribute

Type: ☐ Number ☒ Text ☐ Long text ☐ Boolean ☐ Date

Max length: 128

Text type: ☒ Free form ☐ Single select ☐ Multi-valued text

Display type: ☒ Text field ☐ Text area

Save Add new Reset Cancel

Saved License Model Attributes

| Name | License technology |
|------|--------------------|
|------|--------------------|

**Figure 21:** The updated **Create Custom Attribute | Create a License Model Attribute** page, with non-editable options grayed out.

## Entitlement Email Requests Now Return Immediate Validation Errors

(Case 02860184, SWM-20568)

FlexNet Operations provides the configuration option **Send entitlement email only for deployed entitlements** (under **System > Configure > FlexNet Operations > General Options**) which restricts entitlement emails to entitlements that are in a Deployed state when the option is enabled.

In earlier releases, when this option was enabled and an entitlement email was sent for an entitlement that was not in a Deployed state, the request could time out if the entitlement contained a large number of line items. Because no validation message was returned to explain that entitlement emails can be sent only for deployed entitlements, customers were unable to identify the cause of the issue or take corrective action.

Starting with the 2026.04 release, this behavior has been improved. When **Send entitlement email only for deployed entitlements** is enabled and an entitlement email is requested for an entitlement that is not deployed, FlexNet Operations now returns the following clear and actionable error message immediately:

*“Entitlement email cannot be sent, because the entitlement <Entitlement ID> is not in a Deployed state.”*

This ensures consistent validation behavior and avoids unnecessary timeouts when sending entitlement emails from the UI or through web services, regardless of the number of line items associated with the entitlement.

In addition, the **Send entitlement email only for deployed entitlements** configuration option was previously disabled by default. Starting with 2026.04, this option is enabled by default for all environments.

## Security Issues Resolved in 2026.04

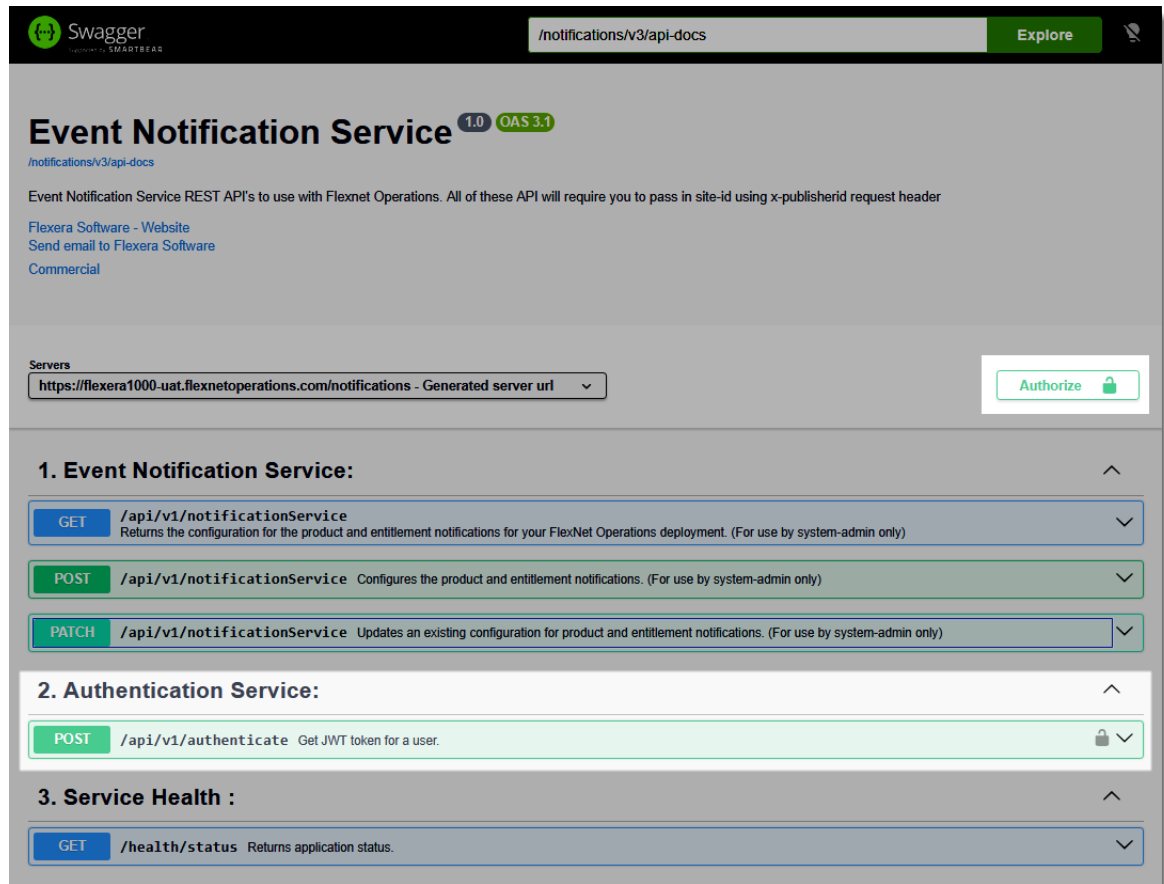
The following issue related to FlexNet Operations security was addressed in the 2026.04 release.

### Authorization Changes for Event Notification Service APIs in Swagger

(SWM-33171)

The authorization experience when accessing the Event Notification Service APIs through Swagger UI has been updated.

Users will now see an **Authorize** button at the top of the Swagger UI, along with a padlock icon for the Authentication Service, as shown in the following screenshot:



Clicking the **Authorize** button or the padlock icon opens the **Available authorizations** dialog, where users must sign in using their Basic FlexNet Operations credentials, as shown in the following screenshot:

Available authorizations

Authorization (apiKey)

This needs FNO token, For example:- Fno (base64encoded UserId:password)

Name: Authorization

In: header

Value:

Authorize

Close



**Note** - Authentication uses a Base64-encoded combination of the Event Notification Service REST API user's username and password, separated by a colon (username:password). For more information, see the [Authentication](#) topic in the [FlexNet Operations User Guide](#).

In addition, the Swagger UI URL has changed. To access the Event Notification Service API Swagger documentation, use the following URLs:

`https://<siteID>-uat.flexnetoperations.com/notifications/swagger-ui/index.html`

`https://<siteID>-uat.flexnetoperations.eu/notifications/swagger-ui/index.html`

Requests to the previous URLs, ending in `.../notifications/swagger-ui.html`, are automatically redirected to the new location.

## User Experience Issues Resolved in 2026.04

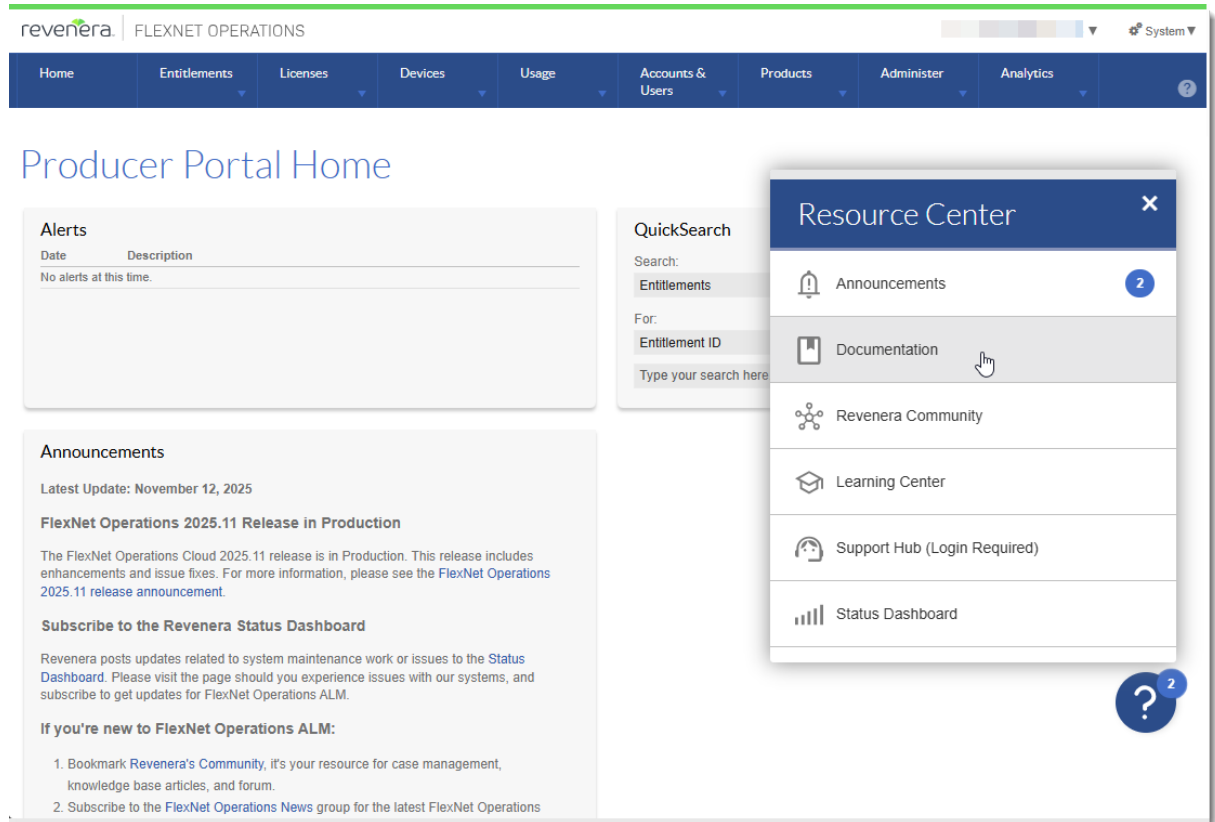
The following issue related to user experience was addressed in the 2026.04 release.

### Resource Center Restored in Producer Portal

(SWM-32688)

The Resource Center is now available again in the FlexNet Operations Producer Portal.

In the 2026.03 release, the Resource Center was temporarily unavailable, which also affected in-product announcements and the cookie preference manager. These features have been restored as part of the 2026.04 release.



**Figure 22:** The Resource Center provides quick access to key customer resources and in-app notifications.

## Issues Resolved in 2026.03

Issues in the following areas were resolved in the FlexNet Operations 2026.03 release:

- [Account and User Management Issues Resolved in 2026.03](#)
- [Device Management Issues Resolved in 2026.03](#)
- [Documentation Issues Resolved in 2026.03](#)
- [Electronic Software Delivery Issues Resolved in 2026.03](#)
- [Entitlement Management Issues Resolved in 2026.03](#)
- [SOAP and REST Web Services Issues Resolved in 2026.03](#)
- [User Experience Issues Resolved in 2026.03](#)

## Account and User Management Issues Resolved in 2026.03

The following issues involving the management of accounts and users were resolved in the 2026.03 release.

- [Account Deletion After Merge Now Works As Expected](#)

- Distributor Updates Now Applied to the Correct Entity

## Account Deletion After Merge Now Works As Expected

(SWM-21071)

An issue was resolved where, after merging two accounts, the original (source) account could not be deleted because some references still pointed to it. This occurred when certain bulk upgrade-related records were not fully transferred during the merge process, causing the system to report that the source account was still in use.

In FlexNet Operations 2026.03, all account-related references, including bulk upgrade data, are now correctly moved to the target account during a merge. As a result, the source account no longer retains any dependencies and can be deleted successfully after the merge without encountering errors.

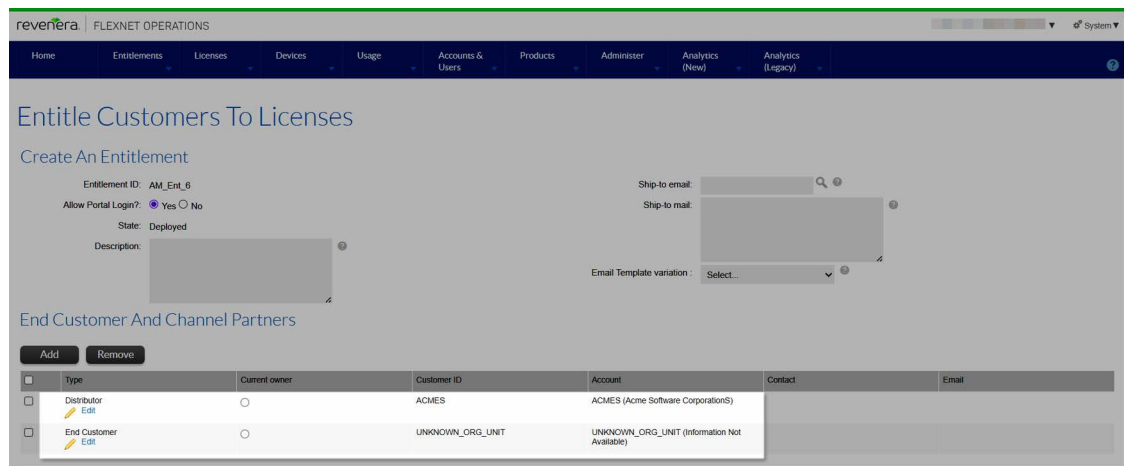
## Distributor Updates Now Applied to the Correct Entity

(Cases 04306592, 04309450; SWM-30017)

Previously, when users edited a distributor on the **Entitle Customer to Licenses** page under **End Customer and Channel Partners**—selecting a partner account ID on the **Partners** tab and creating or updating a contact—the saved changes incorrectly updated the End Customer record. This behavior caused data inconsistencies and required workarounds to restore the correct distributor tier.

With this fix, when users edit a distributor and save partner account ID and contact information, the system now correctly updates only the distributor record. The distributor tier is preserved, and the end customer remains unchanged.

The fix is applied consistently across both the Producer Portal and the End-User Portal, ensuring the entity is displayed with the correct distributor role and sold-to assignment.



**Figure 23:** On the **Entitle Customer to Licenses** page, users can edit a distributor.

## Device Management Issues Resolved in 2026.03

The following issue involving the management of devices was resolved in the 2026.03 release.

## Device Model Creation Button Now Fully Functional

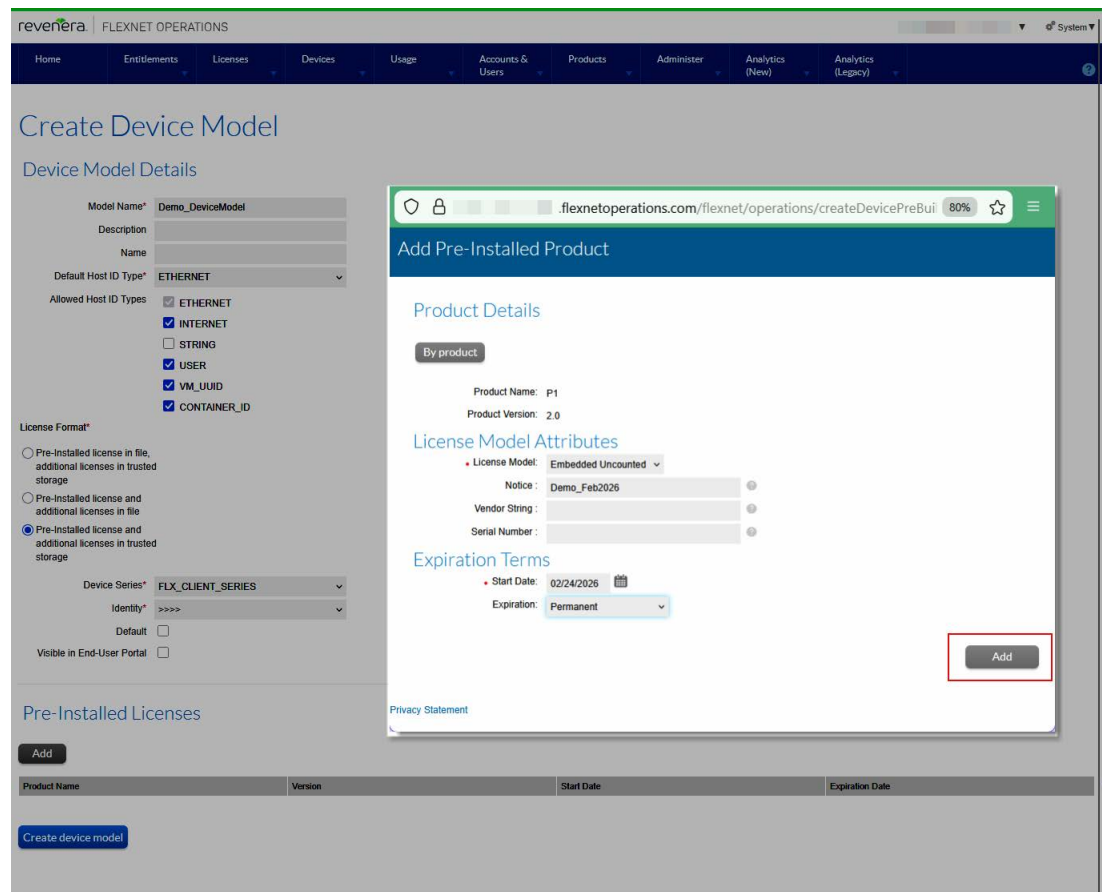
(Case 02973538, SWM-24584)

This release resolves an issue where users were unable to create a device model (under **Administer** > **Create Device Model**), because the **Add** button in the **Add Pre-Installed Product** dialog did not respond. The issue prevented administrators from adding a selected pre-installed product to the new device model, effectively blocking completion of the workflow. This affected users in the following scenarios:

- Administrators attempting to configure new device models in the Device Management workflow.
- Any situation where a pre-installed product needed to be added to a model as part of the creation process.

In FlexNet Operations 2026.03, the **Add** button now works as expected, allowing pre-installed products to be added and device models to be created without workarounds.

The following screenshot shows the **Add Pre-Installed Product** dialog with the **Add** button:



**Figure 24:** Clicking **Add** on the **Create Device Model** page opens the **Add Pre-Installed Product** dialog, with the (previously unresponsive) **Add** button.

## Documentation Issues Resolved in 2026.03

The following issue related to FlexNet Operations documentation was addressed in the 2026.03 release.

### Authentication Requirements for Public Service APIs

(SWM-22672)

FlexNet Operations provides a small set of Public Service APIs that allow external systems to retrieve entitlement and line-item information. These APIs are exposed at the following endpoints:

- <https://<site-id>.flexnetoperations.com/flexnet/pubservices/lineitemdetails>
- <https://<site-id>.flexnetoperations.com/flexnet/pubservices/entitlementdetails>
- <https://<site-id>.flexnetoperations.com/flexnet/pubservices/registeruser>
- <https://<site-id>.flexnetoperations.com/flexnet/pubservices/mapentitlement>

Historically, these endpoints could be accessed without authentication. This behavior has been deprecated because unauthenticated access is considered a security risk and does not align with modern security best practices.

### Authentication Enforcement and Configuration

The FlexNet Operations 2024.10 release introduced authentication support for Public Service APIs. The configuration option, **Enable authentication for Public Webservices** (under **System > Configure > FlexNet Operations > General Options**) was added.

By default, this option is enabled, and authentication is enforced for all Public Service API requests. Producers who require additional time to update their integrations can temporarily disable authentication by clearing this option.

At the time authentication support was introduced, the available documentation did not fully describe the supported authentication mechanisms or how to apply them when calling the Public Service APIs. These documentation gaps have now been addressed (see [Public Service APIs](#) in the [Web Services Integration Guide](#)).

### Mandatory Authentication (Effective 2027.08)

Beginning with the FlexNet Operations 2027.08 release, authentication is mandatory for all Public Service API requests. The **Enable authentication for Public Webservices** configuration option will be removed, and unauthenticated requests will no longer be supported.

### Supported Authentication Methods

Public Service API requests can be authenticated using either of the following methods:

- Basic authentication, using a valid FlexNet Operations user name and password
- Token-based authentication, using an access token issued by FlexNet Operations

Details on token-based authentication, including token generation and usage, are documented in the [Web Services Integration Guide](#), in the topic [Token-Based Authentication](#).

## Electronic Software Delivery Issues Resolved in 2026.03

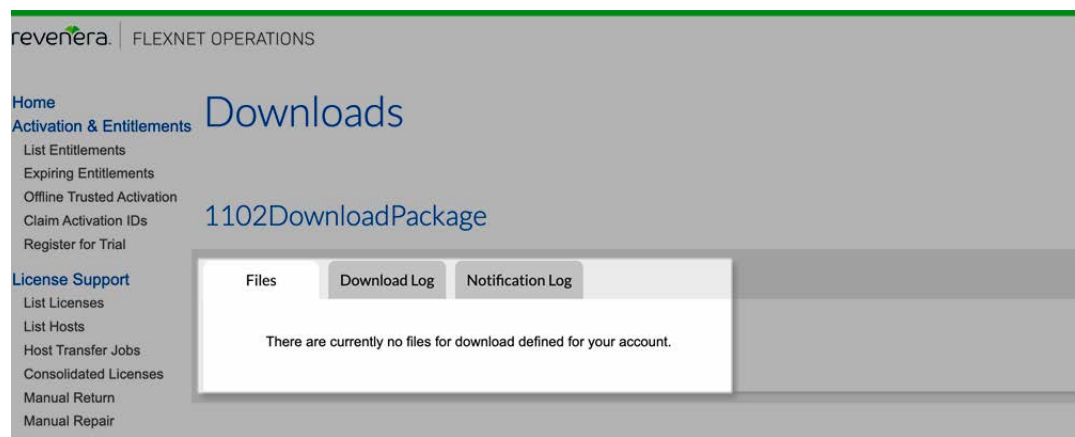
The following issue was resolved for Electronic Software Delivery (ESD) in the 2026.03 release:

### Customer Access to Download Package Files Restored

(Case 02881969, SWM-22289)

Previously, in the End-User Portal, some customer users were unable to see or access download files within download packages to which they were entitled.

As shown in the following screenshot, the **Downloads** page displayed the message “There are currently no files for download defined for your account”, even though the associated download package did contain files:



Similarly, files in affected download packages could not be retrieved using web services. Calls to `getDownloadableFiles` from `ESDService` failed with the error “Unknown organization requested for the member.”

This issue occurred when the associated account name or account ID contained special (non-ASCII) characters.

This issue has been resolved in the 2026.03 release. FlexNet Operations now correctly handles account names that include special characters, ensuring that entitled download files are visible and accessible to customer users through both the End-User Portal and web services.

## Entitlement Management Issues Resolved in 2026.03

The following issues were resolved for entitlement management in the 2026.03 release.

- Resolved Entitlement Mapping Error
- Auto Fulfill Failure for Bulk Upgrade Jobs With Configuration “Use SUPERSEDE or SUPERSEDE\_SIGN Keyword”
- Resolved Bulk Operations Page Loading Issue

## Resolved Entitlement Mapping Error

(SWM-32126)

Previously, users were unable to map line items to a device because the **Map Entitlements** page displayed an application error and failed to load. This issue has been resolved, and entitlement mapping now works as expected.

## Auto Fulfill Failure for Bulk Upgrade Jobs With Configuration “Use SUPERSEDE or SUPERSEDE\_SIGN Keyword”

(SWM-32033)

Bulk upgrade jobs failed to complete when auto fulfill was enabled and the configuration **Use SUPERSEDE or SUPERSEDE\_SIGN Keyword** was set for the UPGRADE operation. This issue has been resolved, and bulk upgrade jobs with auto fulfill enabled now run successfully under this configuration.

## Resolved Bulk Operations Page Loading Issue

(Case 04833117, SWM-31549)

Previously, it was possible to save a bulk operation record without a type configured, which prevented the page **Bulk Operations** page from loading. This has been corrected by ensuring that bulk operation records cannot be saved without a valid type.

# SOAP and REST Web Services Issues Resolved in 2026.03

The following issue related to FlexNet Operations Web Services was addressed in the 2026.03 release:

## Improved Accuracy of Entitlement Fulfillment Reporting

(Case 04866996, SWM-31698)

An issue has been resolved for FlexNet Embedded licensing scenarios, where the `getEntitlementLineItemProperties` function in the `EntitlementOrderService` (all versions) returned an incorrect `fulfilledAmount` value, even when `fulfilledAmount` was explicitly requested via the `responseConfig` parameter.

This behavior was reported in certain UAT and production environments and could result in inconsistent entitlement data being returned by the API.

In the 2026.03 release, the `fulfilledAmount` is now correctly populated and returned when requested.

# User Experience Issues Resolved in 2026.03

The following issue related to user experience was addressed in the 2026.03 release.

## License File Email Now Uses the Configured License Technology Template

(SWM-31862)

An issue was resolved where FlexNet Operations sent license files using the DEFAULT email template when no template was selected on the **Send License File Via Email** page, even if a specific template was configured for the license technology. FlexNet Operations now correctly uses the email template defined for the license technology unless the user explicitly selects a different template.

## Issues Resolved in 2026.02

Issues in the following areas were resolved in the FlexNet Operations 2026.02 release:

- [Electronic Software Delivery Issues Resolved in 2026.02](#)
- [Entitlement Management Issues Resolved in 2026.02](#)
- [Security Issues Resolved in 2026.02](#)
- [SOAP and REST Web Services Issues Resolved in 2026.02](#)
- [User Experience Issues Resolved in 2026.02](#)

## Electronic Software Delivery Issues Resolved in 2026.02

The following issues were resolved for Electronic Software Delivery (ESD) in the 2026.02 release:

- [Accurate File Status If Akamai Deletion Fails](#)
- [Download Package Timestamp Now Updates on Product Link Changes](#)

### Accurate File Status If Akamai Deletion Fails

(SWM-30789)

When a file is deleted from FlexNet Operations, the system attempts to remove the corresponding file from Akamai storage.

Previously, in cases where the Akamai deletion request failed, on its **View File** page FlexNet Operations erroneously updated the file status to “Deleted” even though the file still existed in Akamai.

This has now been fixed. When deleting a file, FlexNet Operations now updates the file status on the **View File** page to “Deleted” only after the file has been successfully removed from Akamai storage.

### Download Package Timestamp Now Updates on Product Link Changes

(Cases 04833833, 03533381; SWM-28266)

Previously, the Last Modified date of a download package did not update when the package was linked or unlinked from a product.

With this fix, the Last Modified timestamp is now automatically updated whenever a download package is associated or disassociated with a product. This updated value is also accurately reflected in the `getDownloadPackageQuery` results.

## Entitlement Management Issues Resolved in 2026.02

The following issue was resolved for entitlement management in the 2026.02 release.

## Bulk Upgrades No Longer Failing

(Cases 04861701, 04933439; SWM-31771)

A defect in the 2026.01 release caused bulk upgrade jobs to fail during execution when processing fewer than the documented limit of 6000 FlexNet Embedded line items.

The bulk upgrade jobs failed when the following combination of system configurations were set:

- **Enable Product Lines for Products**—selected
- **Enable Product Lines for Products, Users, and Accounts**—unselected
- **Enable visibility of all product lines for system administrators**—selected

In addition, when the following options were also enabled:

- **Display option to retain mapping of parent version to devices when using auto-fulfill**
- **Retain parent activation ID on devices/servers**

bulk upgrade jobs failed with an even smaller number of line items.

This issue has been resolved, and bulk upgrade jobs now execute successfully under these configuration scenarios.

## Security Issues Resolved in 2026.02

The following issue related to FlexNet Operations security was addressed in the 2026.02 release.

### Input Validation Update

(Case 04861815, SWM-31672)

We removed an outdated special-character check that caused updates to user data to fail when existing records already included special characters.

#### What's New

- Special characters (non-HTML) are now supported in user data.
- HTML and script content is blocked to help protect against injection attacks.

#### What This Means for You

- Existing profiles can now be updated without errors.
- HTML and script content is restricted, and only standard, non-HTML input is allowed.
- If HTML or script tags are entered, you'll see a clear message: "The field contains HTML tags. Remove these tags before saving."

## SOAP and REST Web Services Issues Resolved in 2026.02

The following issues related to FlexNet Operations Web Services were addressed in the 2026.02 release:

- Latest Changes to Line Item Custom Attributes Now Reflected in Transaction History
- versionDate Now Persisting During Entitlement Creation

## Latest Changes to Line Item Custom Attributes Now Reflected in Transaction History

(Case 04198407; SWM-29531, SWM-30796)

Previously, updates made to a line item's custom attributes were not appearing on the **Transaction Details** page (available under **System > Transaction History**). This issue occurred because certain field types were not properly supported. The system now correctly records and displays the most recent changes.

The following example illustrates the issue:

Consider the **OrderLine** attribute for a line item was set to **Pro Marketing Suite**. It is then changed from **Pro Marketing Suite** to **Advanced AI Content Generator** in the **Configure Line Item** dialog, as shown below:

Configure Line Item

1. Select Product    2. Select Part Number & License Model    3. Configure Product    **4. Custom Attributes**    5. Configure Policies    6. Order Type

OrderLine : Advanced AI Content Generator

teampay\_PO : service

Previously, the **Transaction Details** page would not reflect the changes, and instead it would have shown the old value, **Pro Marketing Suite**.

# Transaction Details

Entity type: LINEITEM  
Entity ID: 13ec- -e6b6  
User ID: -  
Timestamp: Nov 27, 2025 04:44:55  
Event type: UPDATE

Show all fields Show only differences

Audit Updated on: New: Nov 27 2025 04:44:55  
Old: Nov 27 2025 04:42:50  
Line Items: customEntitlement: teamplay\_PO: New: service  
LineAttributes Old: #12345\_update  
OrderLine: New: Pro Marketing Suite

However, in 2026.02, the **Transaction Details** page will correctly show the updated value, **Advanced AI Content Generator**, as shown in this screenshot:

# Transaction Details

Entity type: LINEITEM  
Entity ID: 13ec- -e6b6  
User ID: -  
Timestamp: Nov 27, 2025 04:44:55  
Event type: UPDATE

Show all fields Show only differences

Audit Updated on: New: Nov 27 2025 04:44:55  
Old: Nov 27 2025 04:42:50  
Line Items: customEntitlement: teamplay\_PO: New: service  
LineAttributes Old: #12345\_update  
OrderLine: New: Advanced AI Content Generator

## versionDate Now Persisting During Entitlement Creation

(Case 02487789, SWM-26904)

We resolved an intermittent issue where the **versionDate** provided during entitlement creation was not consistently saved. In affected cases, this resulted in empty **versionDate** values, which in turn blocked license generation.

This defect has been fully addressed in the new REST API, where the **versionDate** is now reliably persisted for all entitlement creation requests.

## User Experience Issues Resolved in 2026.02

The following issues related to user experience were addressed in the 2026.02 release.

- [Fully Functional Navigation in Online Help](#)
- [Fix for Bulk Operations Stuck in Draft](#)

### Fully Functional Navigation in Online Help

(SWM-30906)

This update resolves an issue where users opening online help from the FlexNet Operations portals were unable to navigate back to previous pages. The help content opened in a special browser window that did not include standard navigation controls such as the Back button, causing inconvenience and repeated searches. This affected users in the following scenarios:

- Users performing a search within the help content and needing to review multiple results.
- Any situation where users needed to return to the previous help page after navigating forward.

#### Root Cause

The help content was being opened in a modified browser window that intentionally removed standard navigation controls. Modern browsers, especially Chrome, no longer allow full navigation features in such pop-up windows. As a result, users had no Back button available when viewing help this way.

#### Fix Implemented

The help content is now opened in a new browser tab instead of a pop-up window. A new tab automatically includes full browser navigation options such as Back, Forward, and Refresh. Users can now easily move between help pages, return to search results, and explore topics without repeating searches.

### Fix for Bulk Operations Stuck in Draft

(Case 04225152, SWM-29600)

In some scenarios, bulk operations could become stuck in Draft state after being submitted. This issue has now been resolved.

## Issues Resolved in 2026.01

Issues in the following areas were resolved in the FlexNet Operations 2026.01 release:

- [Account and User Management Issues Resolved in 2026.01](#)

- [Entitlement Management Issues Resolved in 2026.01](#)
- [SOAP and REST Web Services Issues Resolved in 2026.01](#)
- [User Experience Issues Resolved in 2026.01](#)

## Account and User Management Issues Resolved in 2026.01

The following issue involving the management of accounts and users was resolved in the 2026.01 release.

### Account-Level Restrictions on Obsolete Devices and Servers

(SWM-30699)

Previously, in the End-User Portal, users with the **Obsolete Devices/Servers** permission could mark devices or servers as obsolete even if those assets belonged to a different account. This behavior was unintended and violated account-level restrictions.

This issue has been fixed. Users can now only mark devices or servers as obsolete within their own account.

## Entitlement Management Issues Resolved in 2026.01

The following issues were resolved for entitlement management in the 2026.01 release.

- [Updating Line Item Quantity Via Web Services](#)
- [Transferring Line Items of Type Upgrade Order Using SOAP API](#)

### Updating Line Item Quantity Via Web Services

(Cases 03042184, 04103062; SWM-27652)

Previously, FlexNet Operations returned an error when attempting to update the quantity of a deployed line item through web services under the following system configuration settings (both under **System > Configuration > FlexNet Operations > General Options**):

- **Update line item count of deployed line item** was selected.
- **Allow Editing of Deployed Entities** was unselected.

This behavior was incorrect, as the first setting should allow quantity updates even when deployed.

The issue has been resolved. Users can now successfully update the quantity of a deployed line item using web services when the above configuration is applied.

### Transferring Line Items of Type Upgrade Order Using SOAP API

(Case 02974592, SWM-24805)

In earlier releases, when transferring line items of type Upgrade Order from one entitlement to another via the EntitlementOrderService SOAP API, the operation failed with the following error: “Trusted or embedded license models cannot be set to line item <ID>; it is not a new order and does not have a parent defined.” The error occurred for line items using Trusted or Embedded license models.

However, the same action succeeded when it was performed through the Producer Portal UI (see the User Guide topic [Transfer Entitlement Line Item Wizard](#) for procedural information).

In the 2026.01 release, upgrade order line items can be transferred without issue using the transferLineItems operation of the EntitlementOrderService SOAP API, which creates parity with the Producer Portal functionality.

To allow the transfer of upgrade order line items, the new configuration option **Allow transfer of child line items for upgrades via SOAP** must be selected. The option is located under **System > Configuration > FlexNet Operations > General Options**. It is unselected by default.

## SOAP and REST Web Services Issues Resolved in 2026.01

The following issue related to FlexNet Operations Web Services was addressed in the 2026.01 release.

### Creation of Simple Entitlement of Type NEW No Longer Failing

(SWM-25523)

In the EntitlementOrderService SOAP API, requests to create a simple entitlement with LineItemType set to NEW no longer fail with a Null Pointer error.

#### Sample Request and Response

The following shows sample code for createSimpleEntitlementRequest.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:urn="urn:v9.webservices.operations.flexnet.com">
  <soapenv:Header/>
  <soapenv:Body>
    <urn:createSimpleEntitlementRequest>
      <urn:simpleEntitlement>
        <urn:entitlementId>
          <urn:autoGenerate>true</urn:autoGenerate>
        </urn:entitlementId>
        <urn:description>aeoliam venit</urn:description>
        <urn:lineItems>
          <urn:activationId>
            <urn:autoGenerate>true</urn:autoGenerate>
          </urn:activationId>
          <urn:description>profundum quippe ferant</urn:description>
          <urn:product>
            <urn:primaryKeys>
              <urn:name>embedded prod 1</urn:name>
              <urn:version>1.0</urn:version>
            </urn:primaryKeys>
          </urn:product>
          <urn:licenseModel>
            <urn:primaryKeys>
              <urn:name>Embedded Counted</urn:name>
            </urn:primaryKeys>
          </urn:licenseModel>
          <urn:numberOfCopies>100</urn:numberOfCopies>
          <urn:startDate>2025-02-02</urn:startDate>
          <urn:startDateOption>DEFINE_NOW</urn:startDateOption>
        </urn:lineItems>
      </urn:simpleEntitlement>
    </urn:createSimpleEntitlementRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        <urn:isPermanent>true</urn:isPermanent>
        <urn:lineItemType>NEW</urn:lineItemType>
    </urn:lineItems>
    <urn:autoDeploy>true</urn:autoDeploy>
    <urn:allowPortalLogin>false</urn:allowPortalLogin>
</urn:simpleEntitlement>
    <urn:opType>CREATE_OR_UPDATE</urn:opType>
</urn:createSimpleEntitlementRequest>
</soapenv:Body>
</soapenv:Envelope>

```

The following shows sample code for createSimpleEntitlementResponse.

```

<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>
        <createSimpleEntitlementResponse xmlns="urn:v9.webservices.operations.flexnet.com">
            <statusInfo>
                <status>SUCCESS</status>
            </statusInfo>
            <responseData>
                <createdSimpleEntitlement>
                    <recordRefNo>1</recordRefNo>
                    <uniqueId>HID-27</uniqueId>
                    <entitlementId>8ab0-c12b-269c-4243-8730-5e6d-de71-2da9</entitlementId>
                    <lineItemUniqueIds>HID-12</lineItemUniqueIds>
                    <lineItemIdentifiers>
                        <uniqueId>HID-12</uniqueId>
                        <primaryKeys>
                            <activationId>5ea5-2297-fa56-4344-b9c0-fc20-302e-cdeb</activationId>
                        </primaryKeys>
                    </lineItemIdentifiers>
                </createdSimpleEntitlement>
            </responseData>
        </createSimpleEntitlementResponse>
    </soapenv:Body>
</soapenv:Envelope>

```

## User Experience Issues Resolved in 2026.01

The following issue related to user experience was addressed in the 2026.01 release.

### Resolved Page Rendering Issue

(SWM-28539)

Previously, when strict Content Security Policies were enforced, some Producer Portal pages and functionality did not load correctly.

In the 2026.01 release, this issue has been resolved. The application now properly handles Content Security Policy requirements, ensuring that all pages and features function normally while maintaining enhanced security standards for the FlexNet Operations Producer Portal.

# Known Issues

The following describes known issues in the current FlexNet Operations release.

## SWM-32682: Pagination Not Working on Named License Pools Tab

When viewing the **Named License Pools** tab for a Cloud License Server instance in the Producer Portal (available by clicking **Devices** > **Devices** and selecting a Cloud License Server), pagination does not function correctly if the number of partition rules exceeds the selected page size. Users may experience the following:

- The forward/next page controls are unresponsive, preventing navigation beyond the first page of results.
- The displayed **Total Number of Records** incorrectly matches the selected page size rather than the actual total number of records.
- Selecting a page size larger than the total number of records may result in an error.

## SWM-31839: Analytics Menu and Configure Single Sign-On Page Not Accessible from Electronic Software Download Module Pages

In the Producer Portal, when navigating to any page that is part of the Electronic Software Download module, the following issues occur:

- The **Analytics** menu reverts to a previous version. Selecting any option in this menu results in a blank page displaying an “unexpected error” message or, in some cases, logs the user out of the application.
- The **Configure Single Sign-On** option (Under the **Administer** menu) is no longer displayed and therefore cannot be accessed.

The Electronic Software Download module includes the areas **Download Packages**, **Files**, **Agreements**, and **Producers** under the **Products** menu.

As a temporary workaround, to access the **Analytics** menu, users should navigate away from an Electronic Software Download page (for example, by clicking **Home** in the navigation bar). The **Analytics** menu will become visible again and can be accessed.

## SWM-26453: Secret Question on Forgot Password Page Not Localized

The secret question displayed on the **Forgot Password** page in the End-User Portal is currently not localized.

The screenshot shows a login interface. At the top, there is a label 'Question secrète' followed by a text box containing the question 'In what city or town was your first job?'. Below this is a label 'Réponse' followed by an empty text input field. At the bottom, there are two buttons: a green button labeled 'CONTINUER' and a blue button labeled 'Annuler'.

**Figure 25:** The secret question is not displayed in the language selected on the End-User Portal’s Login page.

The system retrieves and displays the security question in the original language it was configured and stored during the user's first login. This behavior persists regardless of the user's selected language preference in subsequent sessions.

## SWM-24928: Email Addresses for “File Created User Email” Missing in Software Delivery Download History Report

In the Software Delivery Download History report (available from the **Analytics** menu), the **File Details** table is not displaying email addresses in the **File Created User Email** column due to an issue with the field size. As a workaround, the **File Created User Email** column is populated with the same email addresses as those displayed in the **File Uploaded User Email** column, because these email addresses typically are identical.

## SWM-24042: Input Sanitization Disabled

(Case 02889178)

The FlexNet Operations 2024.12 release introduced limitations to the characters allowed in certain Producer Portal fields (see [Security Issues Resolved in 2024.12](#)). The following special characters were no longer allowed in a number of input fields to protect against injection attacks:

[ : < > { } @ ; = \ , ! / | ? " # \$ % ~ ^ ` ' ]

This functionality has now been disabled to allow further impact assessment. This means that the character restrictions placed on fields listed in [Security Issues Resolved in 2024.12](#) are no longer in force.

## SWM-23586: Hanging Bulk Operation Jobs Not Showing “Failed” Status

A fix made in the 2024.11 release (see description [Import/Export Jobs Terminated Upon Job Server Restart](#)) has been reverted for bulk operations. The fix remains in place for import/export jobs.

This means that any bulk operation jobs that hang when the job server is restarted are not terminated and are not automatically retrIGGERED.

## SWM-19547: Download Search Page in End-User Portal Not Filtering Expired Accounts

In the End-User Portal, on the **Download Search** page (available from **Downloads > Search Downloads**), the **Choose Account** dropdown list does not filter out expired accounts. Instead, it erroneously displays expired and non-expired accounts.



---

**Note** - The **Choose Account** dropdown list is only displayed if the user belongs to more than one account that is entitled to downloads.

## SWM-15171: Auto-Fulfill Failing During Large Bulk Upgrade Jobs

Auto-fulfill might fail in bulk upgrade jobs that contain more than 2200 line items.

## SSRE-20257: Upload of Large File Images Failing

The upload of file images that exceed 1 GB using HTTP upload fails. For large file images, Revenera recommends using FTP upload.

## SWM-19052: Feature Count Aggregation Not Working As Expected

If a feature's aggregation type is changed, the relevant instance of the Cloud Licensing Service might not update the aggregated feature counts according to the new aggregation type.

However, if the entitlement for the product that contains the features is mapped to a new Cloud Licensing Service instance, the feature counts are aggregated correctly as per the new aggregation type.

## FNO-69836: Variables in Vendor String Causing License Activation Issues

License activation fails for product upgrades or normal license activation when the product to be upgraded or activated is associated with a feature that has a vendor string which contains substitution variables that are enclosed in double quotes (for example, `"activationId": "{EntitlementLineItem.activationId}"`).

## FNO-69338: Navigation in Package Products Pages Skipping Review Features Page

When the user navigates through the Package Products pages (under **Products > Features**) using the **Next** button at the bottom of each page, the Review Features and Review Feature Bundles pages are erroneously skipped.

As a workaround, users who want to review the features and feature bundles that they just added can click the **Review Features** and **Review Feature Bundles** links, respectively, in the Packaging Guide section at the bottom of the page to access the Review Features page.

## SWM-15870: Mismatch Between User Name and Email Address Causing Issues with ESD (UserOrgHierarchyService)

When creating a user via the UserOrgHierarchyService web service (the predecessor of the User Account Hierarchy Service web service), it is possible to have different values for user name and email address. However, users whose user name and email address do not match cannot access downloads in the End-User Portal.

Producers who use the UserOrgHierarchyService should use the methods from the User Account Hierarchy Service web service to avoid a mismatch between the user name and email address.



**Note** - The following changes have recently been made to the User Account Hierarchy Service web service:

- From the 2023.07 release onwards, it is not possible to create users with a mismatched user name and email address. See “createUser Operation in User Account Hierarchy Service Web Service No Longer Allows Mismatch Between User Name and Email Address” in the [FlexNet Operations 2023 Release Notes](#).
- From the 2023.10 release onwards, users cannot update their email address to be different from their user name. See “updateUser Operation in User Account Hierarchy Service Web Service No Longer Allows Mismatch Between User Name and Email Address” in the [FlexNet Operations 2023 Release Notes](#).

## FNO-69182: Incorrect Email Format Accepted When Creating User Via Import Template

It is possible to create or update a user with an invalid email address format by importing user information using the Account and User import template (downloadable from **Administer > Import Data Objects > Data Import Templates** in the Producer Portal). Email addresses of the format abcd@ef (that is, an email address consisting of a recipient name, @ symbol and domain name but without top-level domain) are erroneously accepted.

## FNO-68962: Invalid Characters in Device ID Causing Issues

When the FlexNet Embedded toolkit creates a device ID that contains an invalid character, an error occurs.

The following control characters are not allowed in device names or the device ID:

^B ^D ^E ^G ^N ^O ^P ^Q ^R ^S ^T ^U ^W ^X ^Y ^[ ^\ ^] ^F ^C ^^ ^A ^V ^\_

## SWM-10701: Search Functionality in End-User Portal Erroneously Displays Download Link

In the End-User Portal, users who should be denied access to a file based on their geographical location are able to display the download link for a restricted file when searching for the file name (using the Search function with the **Files** option on the **Download Search** page). However, users are not able to download the restricted file.

## FNO-66018: Errors in UI Updated for Download Package Selection Across Multiple Pages

In 2021.09, the **Download Packages** window was updated to allow package selection across multiple pages. The following errors currently exist for the updated UI.

- Incorrect error message for EULA license on Review & Resolve page
- Search string not properly clearing
- No option to return to full (unfiltered) Download Package list when “failed validation” message displays
- Failed validation error displayed for search results
- Pagination control fields not showing correct information
- Inappropriate message displayed for already downloaded packages

### Incorrect error message for EULA license on Review & Resolve page

When you attempt to download packages that fail validation, the following message is displayed: “Some of the selected packages failed validation. You need to review and resolve the validation errors.” Then, on the **Failed Packages** window that is displayed if you click the “review and resolve” link in the message, the error for an unaccepted EULA incorrectly shows the following:

“EULA has not been accepted. To accept EULA, click on the Download package ID.”

Instead of “click on the Download Package ID”, the message should instruct the user to “...click ‘I Agree’”.

### Search string not properly clearing

After you filter the package list on the **Download Packages** window, the message “Results for Download package name: <name>” is appropriately displayed. However, if you then click the **Clear** link at the end of message, the search string used to filter the package list remains, the list remains filtered (even if you move to the next page), and the “Results for the Download package name...” message is still displayed. You must manually delete the search string and click **Search** to clear the filter.

### No option to return to full (unfiltered) Download Package list when “failed validation” message displays

If the “failed validation” message is displayed after you attempt to download packages from a filtered list on the **Download Packages** window, no mechanism exists to clear the filter to display all packages. You must manually delete the search field contents and click **Search**.

### Failed validation error displayed for search results

After searching for and attempting to download a package containing an unaccepted EULA, the expected message “Some of the selected packages failed validation...” is displayed on the **Download Packages** window. However, if you then search for a package that does not contain an EULA (but do not attempt to download the package), you received the “failed validation” message instead of the correct message describing the filter results: “Results for Download package name: <name>”.

### Pagination control fields not showing correct information

The pagination control fields on the **Download Packages** window are not displaying the correct totals for a filtered list of packages.

### Inappropriate message displayed for already downloaded packages

When you select an entitlement line item whose packages have already been downloaded, the **Download Packages** window is displayed with incorrect message “Files sent for download. Please monitor the download manager pop up”. The message should be removed altogether or displayed only as package files are being sent to the Download Manager (before the actual **Download Manager** window is displayed).

### SWM-7952: Not All Applicable Download Links Available on “List Downloads” Page in End-User Portal

When end users are logged in with an activation ID for an entitlement line item that is associated with multiple products, the **Downloads** page (accessed from **Downloads > List Downloads**) in the End-User Portal does not always show links to all applicable product downloads.

### SWM-7786: SHA2 Checksum Value of Previous File Shown

If a user has provided a file’s expected SHA2 checksum value for an upload and the file image is subsequently deleted, the **Upload File** page, when opened again, might show the SHA2 checksum value of the previously loaded file image.

### FNO-65909: Download Files Not Visible For Self-registered And Trial Users

Download files might not be visible in the End-User Portal for self-registered users and those users registered through the “Try Before You Buy” registration.

### FNO-61266: Translation Issues with Localization

Per a previous enhancement in 2020 R3 to add more language support for End-User Portal localization, certain strings—such as alerts and validation messages—are not being translated properly when localization is in effect. These issues will be addressed in an upcoming release.

## Special Notes

This section contains special information pertaining to FlexNet Operations.

- [Change to Documentation Delivery Format](#)
- [Communication of Changes in Data Access API, Data Share, and Analytics](#)
- [Plug-in Upgrade Needed for High-Speed File Uploads](#)
- [Handling UI Conflicts When Using a Custom CSS for the End-User Portal](#)

### Change to Documentation Delivery Format

Starting with the 2026.05 release, PDF versions of the FlexNet Operations documentation published on [docs.revenera.com](https://docs.revenera.com) will be prepared for Production releases only.

For UAT releases, updated documentation will continue to be available in HTML format on [docs.revenera.com](https://docs.revenera.com).

## Communication of Changes in Data Access API, Data Share, and Analytics

(SWM-27132)

Revenera is committed to addressing customer requests and enhancement suggestions by expanding the existing Data Access API, the Data Share, and Analytics functionality. Starting with the 2025.06 release, any modifications resulting from these requests will be managed and communicated as follows.

Refer to the following sections for details:

- [Addition of Fields and Columns](#)
- [Examples for Additional Columns](#)
- [Modification or Removal of Fields and Columns](#)
- [Examples for Removing or Changing Columns](#)
- [Consumer Implementation Requirements](#)

### Addition of Fields and Columns

Any additional fields or columns required for enhancing data accessibility or extending functionality will be incorporated directly into the existing version of the Data Access API and Data Share views.

There is no impact on the Analytics functionality, as any newly added fields will not appear in reports by default. Customers can choose to include them as needed.

These changes will not be announced prior to implementation; however, any schema modifications will be documented and communicated through release notes.

### Examples for Additional Columns

This section provides examples illustrating how new fields will appear in:

- [Data Share](#)
- [Data Access API](#)
- [Analytics](#)

#### **Data Share**

The following screenshots show examples for additional columns in the Data Share.

|   | # REF_ID | TENANT_ID | # ID    | DEVICE_NAME | DEVICE_TYPE   | MACHINE_TYPE | DEVICE_ALIAS | SITE_NAME             | STATUS |
|---|----------|-----------|---------|-------------|---------------|--------------|--------------|-----------------------|--------|
| 1 | 2838310  | 1129      | 3102751 | 60386361    | SERVED_CLIENT | UNKNOWN      | 60386361     | Default hosted server | ACTIVE |
| 2 | 2217646  | 1129      | 2607236 | 59307571    | SERVED_CLIENT | UNKNOWN      | 59307571     |                       | ACTIVE |
| 3 | 2838311  | 1129      | 3084355 | 79610557    | SERVED_CLIENT | UNKNOWN      | 79610557     | Default hosted server | ACTIVE |
| 4 | 2217647  | 1129      | 2552053 | 63331801    | SERVED_CLIENT | UNKNOWN      | 63331801     |                       | ACTIVE |
| 5 | 2838312  | 1129      | 3115937 | 80173757    | SERVED_CLIENT | UNKNOWN      | 80173757     | Default hosted server | ACTIVE |
| 6 | 2217648  | 1129      | 2531797 | 64821371    | SERVED_CLIENT | UNKNOWN      | 64821371     |                       | ACTIVE |
| 7 | 2838313  | 1129      | 3103001 | 80014637    | SERVED_CLIENT | UNKNOWN      | 80014637     | Default hosted server | ACTIVE |
| 8 | 2217649  | 1129      | 2615964 | 67393521    | SERVED_CLIENT | UNKNOWN      | 67393521     |                       | ACTIVE |
| 9 | 2838314  | 1129      | 3072269 | 79417197    | SERVED_CLIENT | UNKNOWN      | 79417197     | Default hosted server | ACTIVE |

**Figure 26:** An example view of SEC\_VW\_DEVICE before a change.

| # REF_ID | TENANT_ID | # ID | DEVICE_NAME | DEVICE_TYPE | MACHINE_TYPE  | DEVICE_ALIAS | SITE_NAME             | DEVICE.CREATED_BY               | DEVICE.UPDATED_BY    | ADDON.CREATED_BY | ADDON.UPDATED_BY |
|----------|-----------|------|-------------|-------------|---------------|--------------|-----------------------|---------------------------------|----------------------|------------------|------------------|
| 1        | 2838310   | 1129 | 3102751     | 60386361    | SERVED_CLIENT | UNKNOWN      | Default hosted server | Changming.Dong1@ebc.com#FLEXnet | null                 |                  |                  |
| 2        | 2217646   | 1129 | 2607236     | 59307571    | SERVED_CLIENT | UNKNOWN      |                       | web-service-frog@...com#FLEXnet | web-service-frog@... |                  |                  |
| 3        | 2838311   | 1129 | 3084355     | 79610557    | SERVED_CLIENT | UNKNOWN      | Default hosted server | web-service-frog@...com#FLEXnet |                      |                  |                  |
| 4        | 2217647   | 1129 | 2552053     | 63331801    | SERVED_CLIENT | UNKNOWN      |                       | null                            | null                 |                  |                  |
| 5        | 2838312   | 1129 | 3115937     | 80173757    | SERVED_CLIENT | UNKNOWN      | Default hosted server | dhruvshah@...com#FLEXnet        |                      |                  |                  |
| 6        | 2217648   | 1129 | 2531797     | 64821371    | SERVED_CLIENT | UNKNOWN      |                       | web-service-frog@...com#FLEXnet |                      |                  |                  |
| 7        | 2838313   | 1129 | 3103001     | 80014637    | SERVED_CLIENT | UNKNOWN      | Default hosted server | null                            | null                 |                  |                  |
| 8        | 2217649   | 1129 | 2615964     | 67393521    | SERVED_CLIENT | UNKNOWN      |                       | null                            | null                 |                  |                  |
| 9        | 2838314   | 1129 | 3072269     | 79417197    | SERVED_CLIENT | UNKNOWN      | Default hosted server | web-service-frog@...FLEXnet     |                      |                  |                  |

**Figure 27:** An example view of SEC\_VW\_DEVICE after columns have been added, with additions highlighted.

### Data Access API

The following screenshots show examples for additional fields in the **device** data set of the Data Access API.

```
{
  "DeviceID": "1",
  "DeviceType": "SERVER",
  "DeviceMachineType": "UNKNOWN",
  "Alias/Device Name": "ALM_CHS1",
  "SiteName": "",
  "Status": "ACTIVE",
  "Type": "FLX_SERVER",
  "VMName": "",
  "IDType": "STRING",
  "BackupDeviceID": "",
  "PublisherName": "fnetest",
  "DeviceSeries": "",
  "Notes": "",
  "DeviceUserEmail": "",
  "DeviceAccountID": "anand_cust",
  "DeviceAccountName": "anand_cust",
  "LastModifiedDate": "2025-02-05 00:46:34.510",
  "CreateDate": "2023-01-05 01:42:52.743",
  "ConsumedCountDelta": "10",
  "EntitlementID": "d304-d112-67a6- -39fc-ad8e-aa20",
  "QtyOnDevice": "10",
  "LicenseStatus": "LICENSE_GENERATED",
  "ActivationID": "2d5c-781d- -3-8750-5474-6fb4-e267",
  "ActiveActivation": "1",
  "BaseProduct": "",
  "ProductName": "AutoProvisionedAnand",
  "ProductVersion": "1.0",
  "PartNumber": "",
  "IsPermanent": "Yes",
  "ExpirationDate": "9999-12-31 00:00:00.000",
  "VendorDictionary": "",
  "ProductDeleted": "N",
  "ActivationDeleted": "N",
  "UserDeleted": "N",
  "AccountDeleted": "N",
  "DeviceDeleted": "N"
},
```

**Figure 28:** An example view of the **device** dataset before a change.



**Figure 29:** An example view of the **device** dataset after fields have been added, with additions highlighted.

## Analytics

The following screenshot shows an example of the Devices Details table and newly added columns.

| ACCOUNT_NAME                    | ACCOUNT_ID                      | ACTIVATION_ID | ACTIVATION_DELETED | BACKUP_DEVICE_NAME |
|---------------------------------|---------------------------------|---------------|--------------------|--------------------|
| Acc_Child                       | Acc_Child                       |               | N                  |                    |
| Account-1eg7bikpa2xm7           | Account-1eg7bikpa2xm7           |               | N                  |                    |
| Account-1e7h0b8061hby           | Account-1e7h0b8061hby           |               | N                  |                    |
| Fix_Account-19hu4eghsorz        | Fix_Account-19hu4eghsorz        |               | N                  |                    |
|                                 |                                 |               | N                  |                    |
| AccountForAutoProv-zqr9lzlxlk5g | AccountForAutoProv-zqr9lzlxlk5g |               | N                  |                    |
| Account-1x9f37xp7nqe            | Account-1x9f37xp7nqe            |               | N                  |                    |
| Fix_Account-1igdb12lora7a       | Fix_Account-1igdb12lora7a       |               | N                  |                    |
| eg                              |                                 |               | N                  |                    |
| Account-1eh613xpczwlfgg         | Account-1eh613xpczwlfgg         |               | N                  |                    |
|                                 |                                 |               | N                  |                    |

Total records: 192,827 / Records per page: 50

**Figure 30:** An example view of the Devices Details table in Analytics, with newly added columns being unselected by default.

## Modification or Removal of Fields and Columns

If any fields or columns need to be modified or deprecated due to architectural changes, compliance updates, or optimization efforts, a structured communication approach will be followed:

- Stakeholders will be informed well in advance through official communication channels (release notes, documentation updates).
- Depending on the nature of the update, a new API version will be introduced.
- Legacy versions will be maintained for a defined period to facilitate migration.

## Examples for Removing or Changing Columns

This section provides examples illustrating the removal of columns or fields in:

- [Data Share](#)
- [Data Access API](#)

### Data Share

As an example, the following screenshots shows the renaming of the DEVICE\_ALIAS column to DEVICE\_DISPLAY\_NAME and the deletion of the MACHINE\_TYPE column in the Data Share.

|   | # REF_ID | A TENANT_ID | # ID    | A DEVICE_NAME | A DEVICE_TYPE | A MACHINE_TYPE | A DEVICE_ALIAS | A SITE_NAME           |
|---|----------|-------------|---------|---------------|---------------|----------------|----------------|-----------------------|
| 1 | 2838310  | 1129        | 3102751 | 60386361      | SERVED_CLIENT | UNKNOWN        | 60386361       | Default hosted server |
| 2 | 2217646  | 1129        | 2607236 | 59307571      | SERVED_CLIENT | UNKNOWN        | 59307571       | Default hosted server |
| 3 | 2838311  | 1129        | 3084355 | 79610557      | SERVED_CLIENT | UNKNOWN        | 79610557       | Default hosted server |
| 4 | 2217647  | 1129        | 2552053 | 63331801      | SERVED_CLIENT | UNKNOWN        | 63331801       | Default hosted server |
| 5 | 2838312  | 1129        | 3115937 | 80173757      | SERVED_CLIENT | UNKNOWN        | 80173757       | Default hosted server |
| 6 | 2217648  | 1129        | 2531797 | 64821371      | SERVED_CLIENT | UNKNOWN        | 64821371       | Default hosted server |
| 7 | 2838313  | 1129        | 3103001 | 80014837      | SERVED_CLIENT | UNKNOWN        | 80014837       | Default hosted server |
| 8 | 2217649  | 1129        | 2615964 | 67393521      | SERVED_CLIENT | UNKNOWN        | 67393521       | Default hosted server |
| 9 | 2838314  | 1129        | 3072269 | 79417197      | SERVED_CLIENT | UNKNOWN        | 79417197       | Default hosted server |

**Figure 31:** An example view of SEC\_VW\_DEVICE before removing the MACHINE\_TYPE column and changing the name of the DEVICE\_ALIAS column.

|   | # REF_ID | A TENANT_ID | # ID    | A DEVICE_NAME | A DEVICE_TYPE | A DEVICE_DISPLAY_NAME | A SITE_NAME           |
|---|----------|-------------|---------|---------------|---------------|-----------------------|-----------------------|
| 1 | 2838310  | 1129        | 3102751 | 60386361      | SERVED_CLIENT | 60386361              | Default hosted server |
| 2 | 2217646  | 1129        | 2607236 | 59307571      | SERVED_CLIENT | 59307571              | Default hosted server |
| 3 | 2838311  | 1129        | 3084355 | 79610557      | SERVED_CLIENT | 79610557              | Default hosted server |
| 4 | 2217647  | 1129        | 2552053 | 63331801      | SERVED_CLIENT | 63331801              | Default hosted server |
| 5 | 2838312  | 1129        | 3115937 | 80173757      | SERVED_CLIENT | 80173757              | Default hosted server |
| 6 | 2217648  | 1129        | 2531797 | 64821371      | SERVED_CLIENT | 64821371              | Default hosted server |
| 7 | 2838313  | 1129        | 3103001 | 80014837      | SERVED_CLIENT | 80014837              | Default hosted server |
| 8 | 2217649  | 1129        | 2615964 | 67393521      | SERVED_CLIENT | 67393521              | Default hosted server |
| 9 | 2838314  | 1129        | 3072269 | 79417197      | SERVED_CLIENT | 79417197              | Default hosted server |

**Figure 32:** The same view of SEC\_VW\_DEVICE, where the MACHINE\_TYPE column has been removed. The DEVICE\_ALIAS column has been renamed to DEVICE\_DISPLAY\_NAME.

### Data Access API

This screenshot illustrates the following modifications in the Data Access API:

- changing **DeviceAlias** to **DeviceDisplayName** and
- deleting the key **DeviceMachineType**.

```
{
  "DeviceID": " ",
  "DeviceType": "SERVER",
  "DeviceMachineType": "UNKNOWN",
  "DeviceAlias": "ALM_CMS1",
  "SiteName": "",
  "Status": "ACTIVE",
  "Type": "FLX_SERVER",
  "VMName": "",
  "IDType": "STRING",
  "BackupDeviceID": "",
  "PublisherName": "fnetest",
  "DeviceSeries": "",
  "Notes": "",
  "DeviceUserEmail": "",
  "DeviceAccountID": "anand_cust",
  "DeviceAccountName": "anand_cust",
  "LastModifiedDate": "2025-02-05 00:46:34.510",
  "CreateDate": "2023-01-05 01:42:52.743",
  "ConsumedCountDelta": "10",
  "EntitlementID": " ",
  "QtyOnDevice": "10",
  "LicenseStatus": "LICENSE_GENERATED",
  "ActivationID": " ",
  "ActiveActivation": "1",
  "BaseProduct": "",
  "ProductName": "AutoProvisionedAnand",
  "ProductVersion": "1.0",
  "PartNumber": "",
  "IsPermanent": "Yes",
  "ExpirationDate": "9999-12-31 00:00:00.000",
  "VendorDictionary": "",
  "ProductDeleted": "N",
  "ActivationDeleted": "N",
  "UserDeleted": "N",
  "AccountDeleted": "N",
  "DeviceDeleted": "N"
},
```

**Figure 33:** An example view of the **device** dataset before renaming and removing fields.

```

{
  "DeviceID": "[REDACTED]",
  "DeviceType": "SERVER",
  "DeviceDisplayName": "ALM_CMS1",
  "SiteName": "",
  "Status": "ACTIVE",
  "Type": "FLX_SERVER",
  "VMName": "",
  "IDType": "STRING",
  "BackupDeviceID": "",
  "PublisherName": "fnetest",
  "DeviceSeries": "",
  "Notes": "",
  "DeviceUserEmail": "",
  "DeviceAccountID": "anand_cust",
  "DeviceAccountName": "anand_cust",
  "LastModifiedDate": "2025-02-05 00:46:34.510",
  "CreateDate": "2023-01-05 01:42:52.743",
  "ConsumedCountDelta": "10",
  "EntitlementID": "[REDACTED]",
  "QtyOnDevice": "10",
  "LicenseStatus": "LICENSE_GENERATED",
  "ActivationID": "[REDACTED]",
  "ActiveActivation": "1",
  "BaseProduct": "",
  "ProductName": "AutoProvisionedAnand",
  "ProductVersion": "1.0",
  "PartNumber": "",
  "IsPermanent": "Yes",
  "ExpirationDate": "9999-12-31 00:00:00.000",
  "VendorDictionary": "",
  "ProductDeleted": "N",
  "ActivationDeleted": "N",
  "UserDeleted": "N",
  "AccountDeleted": "N",
  "DeviceDeleted": "N"
},

```

**Figure 34:** An example view of the **device** dataset where fields have been renamed and removed.

## Consumer Implementation Requirements

To avoid any integration breakage, customers are required to implement their consumers as follows:

- Ensure consumers ignore unknown fields or column in the Data Access API and Data Share.
- Adopt robust parsing logic to improve data integrity, such as using keys and names instead of relying on indexes or hard-coded structures.

## Plug-in Upgrade Needed for High-Speed File Uploads

If you intend to use the high-speed upload option to upload files, upgrade the Aspera plug-in to Aspera Connect 3.10.0 or later.

## Handling UI Conflicts When Using a Custom CSS for the End-User Portal

When you use your own CSS to customize the look of the End-User Portal, sometimes your custom CSS code conflicts with existing Reverera CSS code that is used to define certain buttons, pages, and other UI elements. When conflicts occur, handle each case individually, determining the basis of the conflict and adjusting the custom CSS as needed. If you require assistance, contact Reverera Technical Support (see [Reverera Resources](#)).

# SOAP API Change Log

The following sections describe the changes that have been made to the FlexNet Operations SOAP API in the FlexNet Operations 2026 releases to date:

- [Change Log for 2026.06](#)
- [Change Log for 2026.04](#)
- [Change Log for 2026.03](#)
- [Change Log for 2026.01](#)

## Change Log for 2026.06

The following SOAP API changes were made in 2026.06:

- [Enabling Part Number–Based Product Association in Entitlement Order Service SOAP Web Service](#)
- [Domain Users Can Now Be Assigned to Multiple Accounts via SOAP API](#)
- [Extended searchDevicesRequest to Support Order Details and Channel Context](#)

### Enabling Part Number–Based Product Association in Entitlement Order Service SOAP Web Service

In the 2026.06 release, you can now use the `createSimpleEntitlement` and `UpdateEntitlementLineitem` SOAP APIs to associate products to entitlement line-items using part number and quantity inside an individual `entitledProduct` entry so that entitlements can be created consistently with commercial SKUs while maintaining license model integrity, reporting accuracy, and backward compatibility.

To support the new feature, the `EntitlementOrderService.wsdl` web service was modified by adding new definitions to its associated `commonIdentifierTypes.xsd` and `entitlementLifeCycleTypes.xsd` files.

- [commonIdentifierTypes.xsd](#)
- [entitlementLifeCycleTypes.xsd](#)

To implement this new functionality, the `EntitlementOrderService.wsdl` file and its associated `.xsd` file have been updated from v9 to v10:

```
/schema-public/v10/bulkEntitlementTypes.xsd
/schema-public/v10/commonEntitlementTypes.xsd
/schema-public/v10/commonIdentifierTypes.xsd
/schema-public/v10/commonTypes.xsd
/schema-public/v10/entitlementAttributeTypes.xsd
/schema-public/v10/entitlementLifeCycleTypes.xsd
/schema-public/v10/entitlementLineItemTypes.xsd
/schema-public/v10/entitlementOrderTypes.xsd
/schema-public/v10/simpleEntitlementTypes.xsd
```



**Note** - This enhancement was tracked in SWM-33451, SWM-33453, see [Associating Part Numbers on Product Level in Entitlement Order SOAP Web Service \(v10\)](#).

### commonIdentifierTypes.xsd

The following changes were made. Additions are highlighted.

| # | Change |
|---|--------|
|---|--------|

|   |                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>&lt;xs:complexType name="entitledProductDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="product" type="tns:productIdentifierType" minOccurs="0"/&gt;     &lt;xs:element name="partNumber" type="tns:partNumberIdentifierType" minOccurs="0"/&gt;     &lt;xs:element name="quantity" type="xs:integer"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### entitlementLifeCycleTypes.xsd

The following changes were made. Additions are highlighted.

| # | Change |
|---|--------|
|---|--------|

|   |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>&lt;xs:complexType name="lifeCycleLineItemDataType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="lineItemRecordRefNo" type="xs:string"/&gt;     &lt;xs:element name="parentLineItemIdentifier" type="tns:entitlementLineItemIdentifierType" minOccurs="0"/&gt;     &lt;xs:element name="newLineItem" type="tns:newEntitlementLineItemDataType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Domain Users Can Now Be Assigned to Multiple Accounts via SOAP API



**Note** - This change applies only to FlexNet Operations On-Premises and is included for transparency. It introduces a new API version (v7) to preserve backward compatibility.

The updateDomainUser SOAP web service now supports associating domain users with multiple customer accounts in a single API request. This brings the SOAP API in line with the functionality already available through the FlexNet Operations user interface.

- **Multi-account assignment**—You can now link a domain user to multiple customer accounts and assign specific roles per account using the new acctRolesList structure in the updateDomainUser request.
- **acctRolesList Operation types**—The acctRolesList component of the updateDomainUserData type complex type represents the list of account-role associations for the domain user. This element allows assigning, updating, or removing user access across multiple customer accounts within a

single request. It supports the operation types ADD, DELETE, and REPLACE to control how account associations are managed.

To implement this new functionality, the UserAcctHierarchyService.wsdl file and its associated .xsd file have been updated from v6 to v7:

```
/schema-public/v7/UserAcctHierarchyService.wsdl
/schema-public/v7/commonTypes.xsd
/schema-public/v7/commonIdentifierAcctTypes.xsd
/schema-public/v7/userAcctHierarchyTypes.xsd
/schema-public/v7/userAcctTypes.xsd
```



**Note** - This enhancement was tracked in SWM-19913.

### userAcctTypes.xsd

The following changes were made. Additions and deletions are highlighted.

| # | Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>&lt;xs:complexType name="updateDomainUserData"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="domainUser" type="tns:domainUserIdentifierType"/&gt;     &lt;xs:element name="email" type="xs:string" minOccurs="0" /&gt;     &lt;xs:element name="organization" type="xs:string" minOccurs="0" /&gt; [DELETED]     &lt;xs:element name="roles" type="xs:string" minOccurs="0" maxOccurs="unbounded" /&gt; [DELETED]     &lt;xs:element name="optIn" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="locale" type="xs:string" minOccurs="0"/&gt;     &lt;xs:element name="timeZone" type="xs:string" minOccurs="0" /&gt;     &lt;xs:element name="status" type="tns:UserStatusType" minOccurs="0"/&gt;     &lt;xs:element name="acctRolesList" type="tns:updateUserAccountsListType" minOccurs="0"/&gt;     &lt;xs:element name="customAttributes" type="tns:attributeDescriptorDataType" minOccurs="0"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |

## Extended searchDevicesRequest to Support Order Details and Channel Context

The searchDevicesRequest() SOAP endpoint has been enhanced to support order-based filtering and channel partner information retrieval, aligning it with existing capabilities across device and entitlement APIs. Changes are available in the newly introduced version 10 of the Manage Device Service SOAP web service.

To implement this new functionality, the ManageDeviceService.wsdl file and its associated .xsd file have been updated from v9 to v10:

```
/schema-public/v10/ManageDeviceService.wsdl
/schema-public/v10/manageDeviceTypes.xsd
```



**Note** - This enhancement was tracked in SWM-31498, see [Extended searchDevicesRequest to Support Order Details and Channel Context](#).

## manageDeviceTypes.xsd

The following changes were made. Additions and deletions are highlighted.

| # | Change                                                                                                                                                                                                                                                                                                                                                                                                             |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>xs:complexType name="PartnerTierQueryType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="value" type="xs:string"/&gt;     &lt;xs:element name="searchType" type="tns:simpleSearchType"/&gt;     &lt;xs:element minOccurs="0" name="partnerTier" type="xs:string"/&gt;     &lt;xs:element minOccurs="0" name="isSearchByName" type="xs:boolean"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre> |
| 2 | <pre>&lt;xs:complexType name="accountPKType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="name" type="xs:string"/&gt; [DELETED]     &lt;xs:element name="id" type="xs:string"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>                                                                                                                                                                      |

## Change Log for 2026.04

The following SOAP API changes were made in 2026.04:

- [Cloud License Server Feature Provisioning Control](#)

### Cloud License Server Feature Provisioning Control

The createFeature and updateFeature methods of the ProductPackagingService web service now support the includeOnCls parameter, which determines whether a feature is provisioned to the Cloud License Server (CLS).

To support the new feature, the ProductPackagingService web service was modified by adding new definitions to featureTypes.xsd, which is included by the productPackagingTypes.xsd file.

- [featureTypes.xsd](#)



**Note** - This enhancement was tracked in FNE-24318.

## featureTypes.xsd

The following changes were made. Additions are highlighted.

### # Change

- 1 

```
<xs:complexType name="featureDataType">
  <xs:sequence>
    <xs:element name="featureName" type="xs:string"/>
    <xs:element name="versionFormat" type="tns:VersionFormatType"/>
    <xs:element name="version" type="xs:string" minOccurs="0"/>
    <xs:element name="maxVersion" type="xs:string" minOccurs="0"/>
    <xs:element name="description" type="xs:string" minOccurs="0"/>
    <xs:element name="aggregationType" type="tns:AggregationType" minOccurs="0"/>
    <xs:element name="vendorAuthString" type="xs:string" minOccurs="0"/>
    <xs:element name="includeOnCIs" type="xs:boolean" minOccurs="0"/>
    <xs:element name="featureOverrideParams" type="tns:featureOverrideParamsType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```
- 2 

```
<xs:complexType name="updateFeatureDataType">
  <xs:sequence>
    <xs:element name="featureIdentifier" type="tns:featureIdentifierType" />
    <xs:element name="featureName" type="xs:string" minOccurs="0"/>
    <xs:element name="versionFormat" type="tns:VersionFormatType" minOccurs="0"/>
    <xs:element name="version" type="xs:string" minOccurs="0"/>
    <xs:element name="maxVersion" type="xs:string" minOccurs="0"/>
    <xs:element name="description" type="xs:string" minOccurs="0"/>
    <xs:element name="vendorAuthString" type="xs:string" minOccurs="0"/>
    <xs:element name="aggregationType" type="tns:AggregationType" minOccurs="0"/>
    <xs:element name="includeOnCIs" type="xs:boolean" minOccurs="0"/>
    <xs:element name="featureOverrideParams" type="tns:featureOverrideParamsType" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

## Change Log for 2026.03

The following SOAP API changes were made in 2026.03:

- **Enhancement of searchDevicesRequest Endpoint in ManageDeviceService to Support <vendorDictionary> Data Capture**

### Enhancement of searchDevicesRequest Endpoint in ManageDeviceService to Support <vendorDictionary> Data Capture

In the 2026.03 release, the searchDevicesRequest endpoint in the ManageDeviceService web service was enhanced to incorporate the <vendorDictionary> property, enabling data capture and query capabilities for device-specific metadata via SOAP queries. This will align the endpoint's functionality with getDevicesRequest and support business-critical FlexNet Embedded / FlexNet Operations Cloud migration workflows.

Previously, the vendorDictionary tag was only available in the getDevicesRequest endpoint.

To implement this new functionality, the ManageDeviceService.wsdl file and its associated .xsd file have been updated from v8 to v9:

```
/schema-public/v9/ManageDeviceService.wsdl  
/schema-public/v9/manageDeviceTypes.xsd
```

In addition to updating the version, additions were made to the following file:

- [manageDeviceTypes.xsd](#)



**Note** - This enhancement was tracked in SWM-30808 and SWM-31270, see [Vendor Dictionary Metadata Available in searchDevicesRequest in ManageDeviceService](#).

### manageDeviceTypes.xsd

In addition to updating the version number from 8 to 9 in the manageDeviceTypes.xsd file, the following additional changes were made. Additions are highlighted.

| # | Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>&lt;xs:complexType name="searchDeviceResponseConfigType"&gt;<br/>  &lt;xs:sequence&gt;<br/>    &lt;xs:element minOccurs="0" name="name" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="description" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="status" type="xs:boolean"/&gt;<br/>    .<br/>    .<br/>    .<br/>    &lt;xs:element minOccurs="0" name="addOnEntitlementId" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="vendorDictionary" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="hasUpdates" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="addOnExpirationDate" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="siteName" type="xs:boolean"/&gt;<br/>  &lt;/xs:sequence&gt;<br/>&lt;/xs:complexType&gt;</pre> <hr/> <pre>&lt;xs:complexType name="searchDeviceResponseData"&gt;<br/>  &lt;xs:sequence&gt;<br/>    &lt;xs:element minOccurs="0" name="deviceId" type="tns:deviceId"/&gt;<br/>    &lt;xs:element minOccurs="0" name="backupDeviceId" type="xs:string" /&gt;<br/>    &lt;xs:element minOccurs="0" name="name" type="xs:string"/&gt;<br/>    .<br/>    .<br/>    .<br/>    &lt;xs:element maxOccurs="unbounded" minOccurs="0" name="addon" type="tns:addonData"/&gt;<br/>    &lt;xs:element minOccurs="0" name="vendorDictionary" type="tns:dictionaryType"/&gt;<br/>    &lt;xs:element minOccurs="0" name="hasUpdates" type="xs:boolean"/&gt;<br/>    &lt;xs:element minOccurs="0" name="siteName" type="xs:string"/&gt;<br/>  &lt;/xs:sequence&gt;<br/>&lt;/xs:complexType&gt;</pre> <hr/> |

# Change Log for 2026.01

The following SOAP API changes were made in 2026.01:

- [Efficient Device Retrieval by Order Parameters \(ManageDeviceService, Version 8\)](#)

## Efficient Device Retrieval by Order Parameters (ManageDeviceService, Version 8)

In the 2026.01 release, the ManageDeviceService API now supports `orderId` (Factory Order Number) and `orderLineNumber` (Sales Order Number) as query parameters in `getDevicesQuery` and `getDeviceCount`.

This enhancement eliminates the need for multiple entitlement-based service calls, enabling:

- Direct device lookup using `orderId` or `orderLineNumber`.
- Faster performance for large orders with hundreds of line items
- Improved scalability for cloud-based LIT portal operations.

End users can now retrieve device details and counts quickly without delays caused by iterative calls.

To implement these new actions, the `ManageDeviceService.wsdl` file and its associated `.xsd` file have been updated from v7 to v8:

```
/schema-public/v8/ManageDeviceService.wsdl  
/schema-public/v8/manageDeviceTypes.xsd
```

In addition to updating the version, additions were made to the following file:

- [manageDeviceTypes.xsd](#)



---

**Note** - This enhancement was tracked in SWM-29382, see [Device Retrieval by Order Parameters](#).

## manageDeviceTypes.xsd

In addition to updating the version number from 7 to 8 in the manageDeviceTypes.xsd file, the following additional changes were made. Additions are highlighted.

| # | Change |
|---|--------|
|---|--------|

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <pre>&lt;xs:complexType name="getDevicesParametersType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element minOccurs="0" name="alias" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="deviceId" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="deviceIdType" type="tns:DeviceIdTypeQueryType"/&gt;     &lt;xs:element minOccurs="0" name="parentId" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="hostTypeName" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="soldTo" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="soldToAcctId" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="description" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="status" type="tns:DeviceStateQueryType"/&gt;     &lt;xs:element minOccurs="0" name="addOnActivationId" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="addOnProductName" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="addOnProductVersion" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="featureName" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="isServer" type="xs:boolean"/&gt;     &lt;xs:element minOccurs="0" name="deviceTypes" type="tns:deviceTypeList"/&gt;     &lt;xs:element minOccurs="0" name="userString" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="siteName" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="orderId" type="tns:SimpleQueryType"/&gt;     &lt;xs:element minOccurs="0" name="orderLineNumber" type="tns:SimpleQueryType"/&gt;   &lt;/xs:sequence&gt;</pre> |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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