

# Code Insight 2022 R3 Release Notes

August 2022

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# Introduction

These Release Notes provide the following information about the Code Insight 2022 R3 release:

- [About Code Insight](#)
- [Reverera Resources](#)
- [New Features and Enhancements](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [Legal Information](#)

## About Code Insight

Code Insight is the next generation Open Source security and compliance management solution. It empowers organizations to take control of and manage their use of open source software (OSS) and third-party components. Code Insight helps development, legal, and security teams use automation to create a formal OSS strategy that balances business benefits and risk management.

## Reverera Resources

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

- In addition to providing case management, the [Reverera 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 Reverera's product solutions, you can access forums, blog posts, and knowledge base articles.
- You can find documentation for Code Insight and all other Reverera products on the [Reverera Product Documentation](#) site.
- The [Reverera Learning Center](#) offers free, self-guided online videos to help you quickly get the most out of your Reverera products. You can find a complete list of these training videos in the Learning Center.
- For customers who have purchased a maintenance contract for their product(s), you can submit a support case or check the status of an existing case by making selections on the **Get Support** menu of the Reverera Community.

<https://community.reverera.com>

# New Features and Enhancements

The Code Insight 2022 R3 release provides new features and enhancements in the following areas:

- [Project Inventory](#)
- [Project Management](#)
- [Scanning and Automated Discovery](#)
- [REST API Enhancements](#)

## Project Inventory

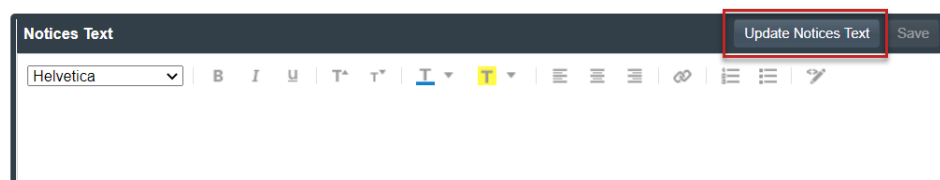
The following new enhancements are available for managing and reviewing project inventory in the **Analysis Workbench** and on the **Project Inventory** tab.

### Sort Inventory by File Count in Analysis Workbench

Inventory listed in the **Inventory Items** pane in the **Analysis Workbench** can now be sorted by the number of codebase files (**# Files** column) associated with the inventory items.

### New Option to Pull License Content from Data Library into Notices Text for an Inventory Item

A new **Update Notices Text** button in the **Notices Text** field for an inventory item copies license content directly from the Code Insight data library into the field, replacing any current content in the field. Users can edit this license text for the inventory item as needed. This new feature is available both on the **Project Inventory** tab and in the **Analysis Workbench**.

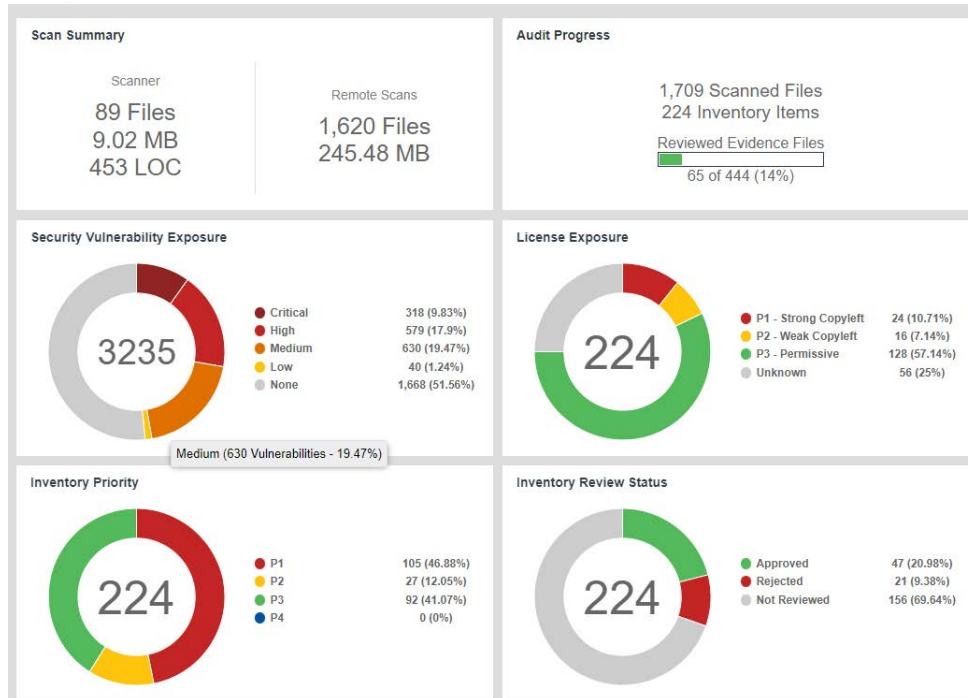


## Project Management

The following new enhancement is available for managing Code Insight projects.

### Project Dashboard Enhancements

The Project Dashboard has been enhanced to list the statistics reflected in the charts. Previously, you could mouse over a color-coded section in chart to see the percentage and numbers represented by the section. Now those statistics are also listed along with the color legend next to each chart. (Viewing the statistics using the mouse-over method is still available.)



## Timestamp and Status for Most Recent Remote Scan Displayed on Project Summary Tab

The **Last Remote Scan** field in the **Scan Status** section on a project's **Summary** tab now shows the following information pertaining to the *most recently run remote scan* for the project:

- The status for the import of the scan's results ("Completed" or "Failed") into Code Insight
- The timestamp for the import

**Scan Status**

**Scan Server Status:** No scan scheduled. [Click here](#) to schedule a scan for this project

**Last Server Scan:** This project has not been scanned yet by a scan server

**Past Server Scans:** [Click here](#) to view the scan history for this project.

**Last Remote Scan:** Scan Summary : 1,620 Files | 245.48 MB | Completed on 2021-04-13 12:04:36

## Scanning and Automated Discovery

This release includes the following enhancement to Code Insight scans and to the techniques used to discover and report inventory during scans.

## Scheduling Multiple Scans on a Project Now Prevented

New controls are now in place to prevent the scheduling of additional scans on a project that is currently in the scan queue or being scanned. If a scan on the your project has already been scheduled or is running, the **Start Scan** button on the project's **Summary** tab is now disabled; you must wait until the current scan is complete before you can schedule another one for the project.

Additionally, the **Scan Server Status** field occasionally does not update quickly enough to reflect the "Scan scheduled" or "Project being scanned" status. However, if a scan on the current project is already in queue or running, an attempt to click the field's "here" link to schedule a scan will result in an error message, stating that you cannot start another scan on the project. For your reference, the message also provides the task ID for the currently queued or running scan. This ID can be used with the **Get Scan Status** API to check the scan status outside of the UI when necessary.

These same controls are place for the POST method of the **Project Scan** API. See [Updates to Existing APIs](#).

## REST API Enhancements

The following tables describe the new or updated Code Insight REST APIs:

- [New APIs](#)
- [Updates to Existing APIs](#)

### New APIs

The following new REST APIs were added in this release:

**Table 1** • New APIs in this Release

Resource	API Name/Endpoint	Method	Description
<b>Idap</b>	<b>Trigger Idap sync</b> /ldap/sync	POST	Synchronizes Code Insight with user data from the LDAP server on an on-demand basis. Only System Administrators can perform this operation.
<b>Inventory</b>	<b>Update notices text</b> /inventories/ {inventoryId}/notices	PUT	Enables project analysts and reviewers to update an inventory item's <b>Notices Text</b> content with license content directly from the Code Insight data library. Any existing <b>Notices Text</b> content is overwritten unless the <b>overwrite</b> parameter is set to <b>false</b> (in which case any existing content remains as is and <i>no</i> library content is added). If <b>Notices Text</b> is blank, running this API always pulls in license content from the library, whether <b>overwrite</b> is <b>true</b> or <b>false</b> .

## Updates to Existing APIs

The following section describes updates that have occurred to existing APIs in this release.

**Table 2** ▪ Updates to Existing APIs

Resource	API Name/Endpoint	Method	Function Change Description
Scan API	<b>Project Scan</b>  scanResource/ projectScan/{projectId}	POST	Controls now added to prevent the scheduling of additional scans on a project that is currently in the scan queue or being scanned. Any attempt to run this API on such a project throws an error message, stating the conflict. The message also provides a task ID for the currently scheduled or running scan, enabling you to check its progress using the <b>Get Scan Status</b> API. The current scan must complete before users can attempt another on the project.

## Resolved Issues

The following issues are resolved in this release.

**Table 3** ▪ Resolved Issues

Issue	Resolution Notes
<b>SCA-32608</b>	The <b>Get Project Inventory</b> REST API no longer returns duplicate inventory.
<b>SCA-42151</b>	Multiple scans are no longer allowed to be queued for a project that has a scan already in queue or running. For such a project, the <b>Start Scan</b> button is now disabled until the current scan has completed.
<b>SCA-42157</b>	Inventory names now display consistently in the following format:  <Component_Name><Space><Version><Space>(<License-Short-Name>)  Previously, if a user updated an inventory item with a new license selection, the inventory name was regenerated without a space between the component version and the license name.
<b>SCA-42159</b>	When updated, inventory names with a relationship label (for example, “dependency of”) no longer lose the label nor is a hyphen erroneously inserted between the component name and version.
<b>SCA-42605</b>	Generic plugin scans no longer fail with a broken symlink.
<b>SCA-42725</b>	False positive security vulnerabilities are no longer being associated with certain versions of SQLite.

**Table 3** - Resolved Issues (cont.)

Issue	Resolution Notes
<b>SCA-42798</b>	The <b>Update notices text</b> API now indicates an appropriate error message when the services used to search for the notices fails due to an internal server error, an unknown host, or a failed network connection.

## Known Issues

The following are current known issues in Code Insight. The issues are organized as follows:

- [All-Project Inventory View](#)
- [Application Life Cycle Management \(ALM\) Support](#)
- [Automated Workflow for Inventory Review/Publication](#)
- [Electronic Updates](#)
- [Export and Import](#)
- [General](#)
- [Installation, Upgrades, and Configuration](#)
- [Inventory History](#)
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- [Vulnerability Suppression/Unsuppression](#)
- [Web UI](#)

## All-Project Inventory View

The following are known issues in the **Inventory** view, which shows inventory across all Code Insight projects.

### **SCA-34403: Inventory details slide-out panel opening twice**

When a user clicks an inventory item in the **Inventory** view, the panel showing the inventory's read-only details appears briefly on the right side of the view and then properly slides out from the right.

**Workaround:** None exists.

## Application Life Cycle Management (ALM) Support

The following are known issues with Code Insight ALM support.

### **SCA-39709: Invalid user name accepted in ALM instances configured for Jira in the Cloud**

Even though an invalid user name is used in an ALM instance configured for a Jira server in the Atlassian Cloud, the user is still able to connect to the Jira server as long as the API token in the instance is valid. This issue occurs because credential validation in a Cloud-based Jira server is performed against the token only.

**Workaround:** None exists.

## Automated Workflow for Inventory Review/Publication

The following are known issues with the automated workflow for inventory review and publication.

### **SCA-11193: Incorrect URL(s) in email notifications**

In cases where Code Insight is running on a server that uses multiple IP addresses (for example, a server that has both a wired and wireless active network connection), the Core Server address cannot be accurately resolved. As a consequence, users can encounter an incorrect URL in the email notification received from Code Insight. This issue is most often seen if the Code Insight core server is configured as "localhost" instead of a full IP address.

**Workaround:** None exists.

## Electronic Updates

The following are known issues with the Code Insight Electronic Update and related data library updates.



## SCA-40194: Duplicate inventory issues for MIT-related components

The Code Insight MIT data-library update does not fix inventory items with names that include multiple licenses separated by commas (instead of ORs), as shown in this example:

```
jquery (MIT, MIT License)
```

On a rescan, duplicates can be created for such inventory items:

```
jquery (MIT, MIT License)
```

```
jquery (MIT)
```

Two possible workarounds are available.

**Workaround 1:** Before starting the rescan, select the option **On data import or rescan, delete inventory with no associated files** on the **Manage Project > Edit Project > General** tab accessed from the project's **Summary** tab. This option deletes the original inventory item as long as it is system-generated.

**Workaround 2:** Manually delete the original inventory item in the **Analysis Workbench** by right clicking the item and selecting **Delete inventory**. You must repeat this step for each such inventory item.

## SCA-31562: Component license remapping issues from MIT-Style to MIT for inventories

Remapping Issues have occurred once the latest Electronic Update (available from Code Insight 2021 R4 and later) has been run. These issues involve the remapping of licenses from MIT-Style to MIT for inventories. The following is an example.

**Before running the Electronic Update available at the release of Code Insight 2021 R4 and later:**

The following inventory mapping existed in inventory:

```
concurrent-ruby 1.1.9 (MIT License)
```

This component was mapped with License id 744.

**After running the Electronic Update available at the release of Code Insight 2021 R4 and later:**

The inventory item was remapped as follows:

```
concurrent-ruby 1.1.9 (MIT-Style)
```

The license short name had been changed (in this example, from MIT License to MIT-Style). However, the mapped license ID remained 744.

Ideally this component should be remapped to MIT, which is License id 7.

**Workaround:** Follow these steps:

1. Click **Inventory** on the main Code Insight window to open the **Inventory** view, showing inventory across projects.
2. Switch from **My Projects** to **All Projects**.
3. Search for the inventories containing the string *(MIT-Style)*.

4. Locate the **Possible Licenses** value for a given inventory. If this value is **MIT** (Id 7) *and* the term *MIT-Style* is in the inventory name or is the value of **Selected License**, then an incorrect license remapping has been performed for this specific inventory item. One incorrect license remapping is a possible indicator of other incorrect remappings.
5. Run the Code Insight cleanup SQL script to correct the license mappings for the inventory in your Code Insight system. (To obtain this script, download the `codeinsight-MITCleanupPackage` archive from the Product and Licensing Center, and extract the script and its instructions.)

## Export and Import

The following are known issues with the Code Insight project export and import functionality.

### SCA-3222: Import overrides inventory details

Importing the same inventory into a project that already contains inventory can cause some details to be overwritten or blanked out. If duplicate inventory (by associated repository item ID) is encountered during the import process, inventory details are overwritten with data from the export data file.

**Recommended:** Perform an export of the project prior to importing into the project in case you need to return to the original project state.

### SCA-21295: Import of Detection Notes over 16 MB generates an error

When Code Insight uses a MySQL database, an error can occur during a project import if the source project's **Detection Notes** content exceeds 16 MB. The import process generates an error message and continues processing the inventory but does not import the notes.

**Workaround:** Ensure that only a single network interface controller is enabled on the core server running Code Insight. As an added measure, configure the core server using a numerical IP address instead of a "localhost".

## General

The following known issues apply to Code Insight in general.

### SCA-42991: core.log data erroneously included in core.update.log

The `core.update.log` file, which should list activity pertaining only to the Code Insight data library, erroneously includes additional information from `core.log`.

**Workaround:** None exists.

## Installation, Upgrades, and Configuration

The following are known issues with a Code Insight installation or upgrade and configuration.

### SCA-35918: Upgrades to Code Insight possibly more time-consuming than previous upgrades

Upgrading to Code Insight might take longer than previous upgrades, especially if the number of inventory items in your Code Insight system has increased since the last upgrade. For example, an upgrade for a system with about 1 million inventory items can now take around 15-20 minutes, which might be longer than your previous upgrades. The extra time needed for the upgrade is due the **Inventory History** feature (introduced in 2021 R3), which requires that the inventory items for all projects be processed for inclusion in the history.

Note, however, that once an inventory item is included in the history, it does not need to go through this initialization process in subsequent upgrades.

**Workaround:** None exists. If you have any concerns about the time taken for this process, contact Reverera Support for assistance.

### SCA-15952: Installer unable to install embedded JRE on some Windows 10 instances

Running the installer on some (but not all) Windows 10 systems results in an “Installation: Successful null” message and does not completely populate the <INSTALL\_ROOT>\jre directory.

**Workaround:** Should you encounter the above error, install the JRE manually. Download JRE 8u192 [here](#). Configure the JAVA\_HOME and JRE\_HOME variables in catalina.\* to point to the newly installed JRE.

### SCA-1652 / SCA-5812: Deleted or disabled users still visible in the Web UI

Users who are deleted from the LDAP server or disabled in LDAP still appear on the **Users** page in the Code Insight Web UI and in some selection lists, such as for projects.

**Workaround:** None exists. However, deleted or disabled users are blocked from logging into the application and attempting to add one of these users will results in an error.

If this workaround is not sufficient or doable, contact Reverera Support for information about executing a database SQL script that can help to complete the index process within the expected time. The script must be run *before* the Electronic Update is started. (To contact Reverera Support, access the **Get Support** menu in the Reverera Community at <https://community.reverera.com>.)

## Inventory History

The following are known issues with the Inventory History feature.

### SCA-36420: Inventory URL and Description attributes shown as updates in Inventory History without their being modified

After an initial transaction is performed against an inventory item (such as editing or viewing the item), entries for the **URL** and **Description** properties are displaying in the **Inventory History** window even though these properties were never modified as part of the transaction. These two initial entries will remain in the history. However, any future transactions against the inventory item will not create an update entry for the **URL** or **Description** property unless the value for either property has actually changed.

**Workaround:** None exists.

## Manual Codebase Analysis

The following are known issues with manual codebase analysis in the **Analysis Workbench**.

### SCA-41440: “Show File Evidence” right-click option on “File Search Results” pane not working at node, folder, and sub-folder levels

When you right-click an alias node, codebase node, folder, or sub-folder in the **File Search Results** pane in the **Analysis Workbench**, and then select **Show File Evidence**, the **Evidence Details** tab on the right displays the message “No Evidences found”.

However, when you select **Show File Evidence** at the file level in the **File Search Results** pane, the evidences properly are listed on the **Evidence Details** tab as expected.

This behavior occurs whether the files were scanned by a Scan Server or a scan-agent plugin.

**Workaround:** None exists.

### SCA-41964: Empty results when Advanced Search with “File Path” criterion attempts to fetch 2000 or more results

An **Advanced Search** using the **File Path** criterion can produce empty results in the **Analysis Workbench** if the search attempts to retrieve 2000 or more results. This issue can occur whether searching a file system scanned by a remote scan agent or a codebase scanned by a Scan Server.

This issue does not occur when the search fetches less than 2000 results.

**Workaround:** None exists.

### SCA-32546: Marking codebase files as reviewed/not reviewed in batch or rapid succession causing the UI to hang

In the **Analysis Workbench**, when users mark multiple codebase files as reviewed or unreviewed in a batch or individually in rapid succession, the Code Insight UI might hang. This issue occurs whether you are selecting files in the **Codebase Files** pane or in the **File Search Results** pane (both on the left side of the **Analysis Workbench**). The call to change the review status of any number of files involves the processing of evidence for all files, an event that can significantly increase response time and cause the UI to hang. A fix to this problem is underway. In the meantime, the following workaround is available.

**Workaround:** Before selecting files to mark as reviewed or unreviewed, click the **Evidence Details** tab in the middle pane of the **Analysis Workbench**. From this tab, select **Filter to selected files**. Also ensure that all evidence types are selected in the **Select Evidence Types** dropdown list. Then proceed to mark the codebase files as reviewed/unreviewed. This workaround reduces the time to obtain a response because it filters the evidence to be processed to that belonging to the selected files only.

### SCA-27011: Advanced Search based on low confidence inventory not working

In the **Analysis Workbench**, an **Advanced Search** for files associated with inventory that has a low confidence level is returning incorrect or no results.

**Workaround:** None exists.

### SCA-22398: Licenses not highlighted even though evidence exists

Cases can occur during a scan when a license is discovered in the scan results and listed on the **Evidence Summary** tab, but no associated license text is highlighted on the **Partial Matches** tab. The lack of highlighting occurs because the scanner is unable to calculate the offsets for license text in the file.

**Workaround:** None exists.

### SCA-22308: “Email/URLs” evidence truncated

In some cases after running a scan, the **Email/URLs** evidence on the **Evidence Details** tab in **Analysis Workbench** is truncated.

**Workaround:** None exists.

### SCA-10414: Associated files not displayed when user adds more than 37K files to inventory

When more than 37K files are added to an inventory item, the associated files are not displayed on the **Associated Files** tab.

**Workaround:** Right-click the inventory item and select **Show Inventory Files**. The content on the **File Search Results** pane in **Analysis Workbench** is filtered to the associated files for the inventory item.

## Performance

The following are known issues with Code Insight performance.

### Performance slower with MySQL 8 than with MySQL 7

Codebase scans and updates to the Code Insight data library are slower when Code Insight uses the MySQL 8 (5.8) database compared to when it uses MySQL 7 (5.7).

## Project Inventory

The following are known issues with the review process for Code Insight project inventory.

### SCA-41263: License text shown twice in As-Found License Text field in Analysis Workbench

In the **Analysis Workbench**, the text for a license can be repeated twice for some components (such “glob”) when the license file contains more than one license.

**Workaround:** None exists.

### **SCA-11520: Policies not applied on rescan of a project**

The triggering event for applying policy to project inventory is “Publish” (not scan). Policies are applied during the initial scan if the default setting **Automatically publish system-created inventory items** is selected, but policies are not applied during a *rescan* because inventory is not re-published. This behavior is in place to avoid inadvertent overriding of inventory status due to a change in policy by another user.

**Workaround:** To apply policy, first recall all inventory and rescan with **Automatically publish system-created inventory items** enabled.

## **Project Management**

The following are known issues with project management in Code Insight.

### **SCA-41957: Project Copy performance slower when the Code Insight database resides on a separate machine**

Processing time for Project Copy increases when the Code Insight database resides on a machine different from the machine where the Core Server resides. Project Copy processing is most efficient when the Core Server, Scan Server, and database reside on the same machine.

**Workaround:** None exists.

### **SCA-41862: Increased time for Project Copy and other operations when Project Copy runs in parallel**

If a Project Copy is triggered when any other operation—such as an import, export, scan, or report generation—is also running in your Code Insight system, the processing time for the Project Copy as well as for the other operation (especially an import, export, or scan) will be relatively greater than if these operations were run at separate times.

**Workaround:** In general, perform the listed operations at separate times for better performance. Ensure that Project Copy does not run in parallel with any of these operations.

### **SCA-41682: Project dashboard of copied project shows both Scanner and Remote Scans sections even though source project was only remotely scanned**

The project dashboard of the copied project shows both Scanner and Remote Scans sections info even though the source project was scanned by a scan agent only. Only the Remote Scan section should be displayed.

**Workaround:** None exists.

## SCA-20012: File filters in Chrome and Edge browsers not showing supported upload archive types correctly

When selecting a codebase archive to upload from File Upload dialog, the file filter on the browser you are using might list the supported archive types properly:

- On the Chrome browser, the file filter list incorrectly shows “Custom Files” instead of “Supported Files” and does not allow you to filter on the individual supported archive types.
- On the Edge browser, the file filter list shows unsupported archive types.

## Project Reporting

The following are known issues with Code Insight reporting.

### SCA-22054: Project Report not showing URLs for custom vulnerabilities

The Project report is not showing the NVD (National Vulnerability Database) URLs for custom vulnerabilities until they are updated to the Data Library.

**Workaround:** Use the Web UI to view all vulnerabilities associated with inventory.

### SCA-11263: Project Report hyperlink on tasks worksheet for inventory does not work

Clicking on an inventory link in the Project Report takes the user to the login page even if user is currently logged in. This is a bug in Excel.

**Workaround:** Log into the application. Go back to the Excel report output and click on the hyperlink again. This is an issue only for inactive sessions.

## REST APIs

The following are known issues with the Code Insight REST interface.

### SCA-40410: “Component Search” REST API not consistently retrieving custom component data

The **Component Search** REST API currently does not retrieve information about a custom component if either of these conditions exist:

Condition 1: The custom component is newly created.

Condition 2: The name of the custom component contains an upper-case letter.

**Workaround:**

For Condition 1: Run an Electronic Update to index the new custom component.

For Condition 2: None exists.

### **SCA-16508: Swagger page hangs when required API parameters are missing**

Instead of producing an appropriate error message, a Swagger page can hang when you attempt to execute an API without providing required parameters.

**Workaround:** None exists.

### **SCA-7950: Page and size parameters are not working with some REST APIs**

Limiting the result set returned by some REST APIs is not currently supported. Using the page and size parameters with the Component Lookup and Get Project Inventory APIs (and possibly others) returns the full result set.

**Workaround:** None exists. However, the issue will be addressed in an upcoming release.

## **Scan Agent Plugins**

The following are known issues with Code Insight scan-agent plugins.

### **SCA-43034: Inappropriate error message for scan failure when using current plugin with older Code Insight release**

A current scan-agent plugin is not compatible with an earlier Code Insight release. Therefore, any attempt to run a scan-agent plugin with a Code Insight release previous to the plugin release results in failure. However, an appropriate message for this type of failure is not provided.

**Workaround:** None exists.

### **SCA-42606: Seemingly “Successful” completion of Docker plugin scan despite errors**

A Docker plugin scan can fail on a codebase/artifact system containing large archive files but a small /tmp partition. However, the scan status can still show “SUCCESS” (although the agent log might record the error that caused the failure).

**Workaround:** None exists.

### **SCA-41197: SHA-1 calculated for only scanned files during agent rescans subsequent to re-enablement of SHA-1**

When SHA-1 is disabled and then re-enabled, any subsequent rescan by a scan agent calculates a SHA-1 value for only those files that are scanned (that is, updated or new files). SHA-1 is not calculated for those files that are skipped by the scan because they remained unchanged since previous scan.

**Workaround:** None exists.



## SCA-41154: No scan agent support for full rescans

Prior to Code Insight 2022 R2, scan agents plugins performed only full scans. Starting 2022 R2, scan agents now support *only* incremental rescans. After the scan agent's initial full scan of a file system, any subsequent rescans are incremental only; no forced full rescans are supported. However, a full rescan should automatically occur whenever Automated Analysis rules change, a new Code Insight version introduces new rules or data library changes, or the scan-profile settings change. Currently, no logic exists to support such an automatic full rescan when these conditions exist.

**Workaround:** None exists.

## SCA-40626: I/O exception during Jenkins plugin scan after deletion of “.codeinsight” folder from Jenkins agent

Users can delete the `.codeinsight` folder from the Jenkins agent if needed. However, once the folder is deleted, scans scheduled for the Jenkins plugin might fail with an I/O exception.

For your reference, this folder is identified as `$user_dir.codeinsight`, where `$user_dir` is as follows:

- `/home/<user>/` on Linux
- `C:/Users/<user>/` on Windows

**Workaround:** Restart the Jenkins server.

## SCA-38346: NVD calls are not going through proxy for plugin scans

When a proxy is enabled for the generic scan-agent plugin or the Jenkins plugin, NVD calls bypass the proxy during scans.

**Workaround:** None exists.

## SCA-33465: Scan agent inventory results impacted when CODEINSIGHT\_ROOT variable set to wrong path

A scan agent can produce different inventory count results when the `CODEINSIGHT_ROOT` variable is set as environment variable and defined with an incorrect path compared to when the variable is set to the correct path or simply not used as an environment variable. (The scan agent does not require `CODEINSIGHT_ROOT` to be set as an environment variable.)

**Workaround:** If you are running the scan agent on the same machine as Code Insight Core Server, determine whether `CODEINSIGHT_ROOT` has been set as environment variable. If it has, ensure that it points to the correct path. Otherwise, do not set `CODEINSIGHT_ROOT` as an environment variable.

## SCA-28141: Maven, Ant, and Gradle scan-agent rescans might fail in dynamic host environments

Rescans performed by Maven, Ant, and Gradle scan-agent plugins v2.0 (introduced in Code Insight 2020 R3) might fail in dynamic host environments. This is due to a v2.0 requirement that rescans use the same scan-agent alias and hostname used in the previous scan. This will be addressed in a future release.

**Workaround:** Use the Jenkins scan-agent or the scan-agent for another CI tool that supports the “host” property. This property enables you to provide a user-defined hostname that does not change between scans.

### SCA-27678: Possible deadlocks with parallel agent scans on same project

Deadlocks might occur when at least one scan-agent scan and one or more other scans (agent or server) run simultaneously on the same project.

**Workaround:** Scans can be scheduled in sequence to avoid deadlock exceptions.

### SCA-27431: Dependencies currently not reported for Maven and Gradle scan agents

Previous versions (1.x) of the Maven and Gradle scan-agent plugins scanned both the dependencies section *and* the project build directory of the Maven or Gradle application project. However, version 2 of the plugins, introduced in Code Insight 2020 R3, scans the project build directory, but not the dependencies section. Thus, dependencies are currently not reported for scans performed by the two plugins.

**Workaround for Maven:** Refer to the Maven documentation for instructions on how to include dependencies as a part of build directory. An example install command for including dependencies might be:

```
maven-dependency-plugin install copy-dependencies ${project.build.directory}/project-dependencies
```

**Workaround for Gradle:** Refer to the Gradle documentation for instructions on how to include dependencies as a part of build directory. An example install command for including dependencies might be:

```
task copyToLib(type: Copy) { into "$buildDir/output/lib" from configurations.runtime }
```

You would then use the following command to run the scan agent from the Gradle application project:

```
gradle build copyToLib code-insight-scan
```

### SCA-3378: Jenkins scan-agent plugin – downgrade not supported

After an upgrade to a Jenkins scan-agent plugin, a downgrade button option is available in the Web UI. Clicking on the option results in a 404 error.

**Workaround:** None exists.

## Scanning and Automated Discovery

The following are known issues with Code Insight codebase scans and the detection techniques used by scans.

### SCA-43103: Files with path change but same MD5 still being rescanned

Files whose path has changed but whose MD5 remains the same are still being rescanned even those the project's scan profile is configured *not* to rescan unchanged files.

**Workaround:** None exists.

### SCA-42588: Direct dependencies without version in pom files not reported for scans enabled for transitive dependencies

Direct dependencies that are found in pom files but that have no version are not being reported during scans enabled for transitive-dependency reporting.

**Workaround:** None exists.

### SCA-34070: Scan status not immediately in effect after “Stop Scan” issued

Currently, when a user forces a currently running scan to stop (for example, by clicking **Stop Scan** from the project **Summary** tab or the global **Scan Queue** dialog), the stopped status for the scan might not take effect immediately, even after a screen refresh.

**Workaround:** None exists.

### SCA-30756: Increased scan times for some codebases when NG-bridge data update facility is enabled

In cases where the instance on which the Code Insight Scan Server is running has the NG-bridge data update facility enabled, the scan is able to identify more exact-file matches. However, increased matching can also cause the scan and rescan times to increase for certain codebases. This increased time can be a problem for some sites.

**Workaround:** Disable the NG-bridge data update facility. (Note that this facility is initially disabled by default.)

### SCA-30423: Scans with large number of source-code matches resulting in longer scan times

When project is scanned with the Comprehensive scan profile or a custom scan profile, either of which has source-code matching enabled, the scan takes longer than usual if it encounters a large number of matches.

**Workaround:** None exists.

### Inventory automatically published during previous scan now unpublished after rescan

To address issues, Code Insight now assigns a confidence level of **Low** to those inventory items that are identified by a file-name analyzer technique (a part of automated analysis) during a scan. If your project is configured to publish inventory with **Medium** or **High** confidence, inventory detected by this technique will now have an automatic unpublished status. This change is applicable only for new scans.

**Workaround:** The previously published inventory items are still available. In the **Analysis Workbench**, simply filter inventory by **Not Published** to view the unpublished inventory, and then publish inventory as needed.

### SCA-26486: Conda first-level dependencies with Semantic versions not resolved

Semantic versions for Conda first-level dependencies are not being resolved.

**Workaround:** None exists.

### SCA-7820: Some NPM version patterns are not supported

When scanning an NPM project, certain versions might not be detected through automated analysis. The following are not supported: URLs as dependencies, versions containing a hyphen (for example, "crypto-js": "3.1.9-1"), and versions of the format X.X.X (for example, "through": "X.X.X").

**Workaround:** None exists.

### SCA-3000: Scan agent plugins might generate inventory with no selected license

In this release, using the scan agent plugin, you might end up with inventory that has no license associated with it if the scan agent is not able to identify a specific license in the scanned files. In this case, the inventory item is created using Compliance Library data. You might see the inventory item with one or more possible licenses and potentially no selected license.

**Workaround:** Recall the inventory item to prevent it from showing up in the published inventory items list.

## Source Code Management (SCM) Support

The following are known issues with Code Insight SCM support.

### SCA-40067: SCM instance numbering systems used in REST API output and Web UI not in sync

The instance Ids shown in the **GET SCM Instance** API response are not in sync with SCM instance numbers generated in the Web UI.

**Workaround:** None exists

### SCA-27751: Failure of Perforce SCM instance to synchronize Unicode files to Scan Server

Perforce SCM instances can fail to synchronize Unicode-formatted files to the Scan Server if the instance is running in Windows and configured for SSL.

**Workaround:** None exists.

### SCA-27674: Synchronization with Team Foundation Server failing (Linux only)

Codebase synchronization with a Team Foundation Server (TFS) instance on Linux fails when character spaces or certain special characters exist in attributes used to set up the synchronization on the **Version Control Settings** tab for a project.

The following issue has been logged with TFS:

<https://github.com/microsoft/team-explorer-everywhere/issues/321>

**Workaround:** None exists.

## Vulnerability Suppression/Unsuppression

The following are known issues with the Vulnerability Suppression/Unsuppression functionality.

### SCA-37089: Unable to suppress/unsuppress a vulnerability for more than 2097 versions of a component all at once (in a SQL Server environment)

When a user attempts to suppress or unsuppress a security vulnerability for more than 2097 versions of a component all at once (using the **All Current Versions** scope or the **Specified Versions** scope with more than 2097 entries), the operation fails with an appropriate error message. This same problem occurs when running the **Suppress vulnerability** or **Unsuppress vulnerability** REST APIs.

This issue occurs only when the Code Insight database is SQL Server.

**Workaround:** Suppress or unsuppress the vulnerability using the **Specified Versions** scope with fewer entries. Repeat this operation until the vulnerability has been suppressed or unsuppressed for all desired versions.

### SCA-36973: Open alert counts not automatically refreshed after vulnerability suppression

After a security vulnerability is suppressed for a component version with open an open alert associated with the vulnerability, the open alert count is not automatically refreshed to show the reduced count in the Code Insight Web UI.

**Workaround:** Manually refresh the browser screen.

### SCA-36768: “Vulnerabilities” bar graph not automatically refreshed after vulnerability suppression

After a security vulnerability is suppressed for a component version, the count in the appropriate “severity” segment of the **Vulnerabilities** bar graph for the component version is not automatically reduced.



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**Note** - The issue has been fixed for the bar graph on the **Inventory** view and **Project Inventory** tab. However, the issue has not been fixed for the bar graph displayed in other locations.

**Workaround:** Manually refresh the browser screen.

# Web UI

The following are known issues with the Code Insight Web UI.

## SCA-27892: Project Dashboard showing incorrect format after report generation for agent scans

If only a scan agent has performed a remote scan for a project and a report is subsequently generated for the project, the project Dashboard is showing a split **Scan Summary** pane with scan statistics for both the scan agent and the scanner (which shows statistics of 0 since it has run no scan). The **Scan Summary** should not be split; the full pane should list statistics for the remote scan only.

## SCA-20683: Project details not automatically updating after scan

Project details are not automatically updating after a scan in the Web UI.

**Workaround:** Refresh the screen.

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