revenera

Code Insight 6.14.2 SP1

Quick Start Guide

Legal Information

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Contents

Code Insight 6.14.2 SP1 Quick Start

The *Code Insight Quick Start Guide* includes the following sections:

Introduction

Code Insight is an application security solution targeting the widespread use of open source software (OSS). Code Insight's unique software composition analysis technology captures the composition of a code base, and provides your team with an inventory of OSS component usage. The resulting inventory identifies security vulnerabilities and intellectual property issues associated with the inventoried OSS components.

For a quick start in using Code Insight and an introduction to its basic features and capabilities, perform the exercises presented in this guide.

Launching Code Insight

To launch Code Insight, perform the following steps.

Task ***To launch Code Insight, do the following:***

1. Launch a web browser and open the following URL:

   `http://localhost:8888/palamida/`

2. Login into Code Insight using the following credentials:

   - **User name**: admin
   - **Password**: Password123

Manually Applying Electronic Updates

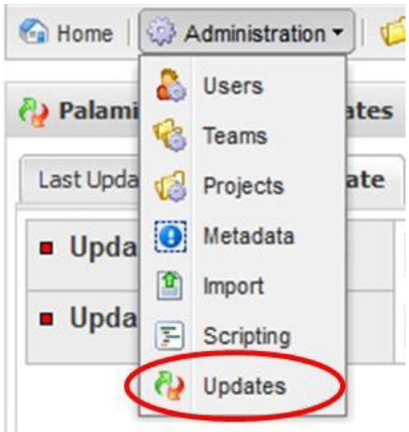
The first time Code Insight starts up, it needs to obtain the latest component and license metadata, and tries to do this automatically using the HTTPS protocol. If, for some reason, the Code Insight server is blocked from obtaining these files, you will have to manually download and apply these files.

Task ***To manually apply electronic update to Code Insight, do the following:***

1. Download the following Code Insight files:

File	Download Location
`update_manifest.txt`	Contact Technical Support
`update.zip`	Contact Technical Support

2. Log in to Code Insight as the administrator, as described in Launching Code Insight. The Code Insight home page opens.
3. From the **Administration** menu, click **Updates**.



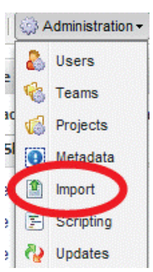
4. When prompted to upload the manifest and data files, browse to the downloaded files for both the manifest (`update_manifest.txt`) and data (`update.zip`) files and click **Update**.

Adding Code Insight User Logins

When you first install Code Insight, there is just one user: **admin**. To add more user logins, perform the following steps.

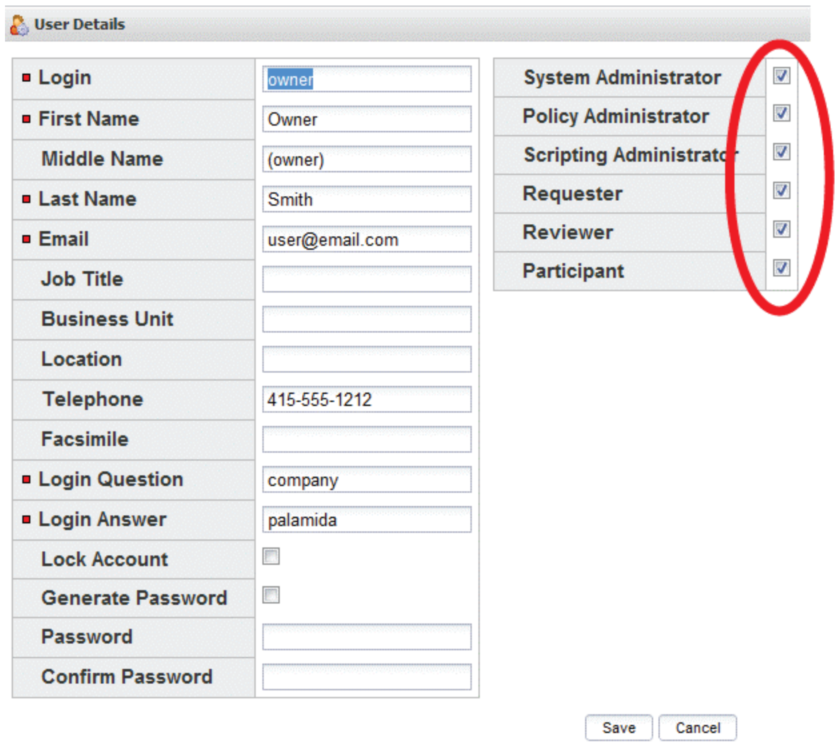
Task ***To add Code Insight user logins, do the following:***

1. Login to Code Insight.
2. On the **Administration** menu, click **Import**.



The **Import** screen opens.

3. Select **Download a sample workbook for bulk user import** and download the sample workbook.
4. Return to the **Import** screen, browse for the file you just downloaded, and click **Import**. Users will be added.
5. To view the new users, select **Users** on the **Administration** menu.
6. To set the permissions and passwords for these new users, edit user and assign rights and set the passwords. In the following example, the **owner** user is being assigned all of the Code Insight rights.



Creating a Team

To group several users into a team, perform the following steps.

Task ***To create a team, do the following:***

1. While you are logged in as the Administrator, create a team. All projects will have an Owner and belong to a Team or organization usually responsible for the software project.
2. Under **Administration** on the top toolbar, click the **Teams** link.
3. Click **Add New Team**.
4. Give the team a name but do not fill in the scan folder restrictions.

Creating a Project

To create a project, perform the following steps.

Task ***To create a project, do the following:***

1. While you are logged in as the *Administrator*, create a project.
2. Under the **Administration** drop-down at the top toolbar, click the **Projects** link.

3. Click **Add New Project**.

4. Select the team you just made and make the project owner the user: Owner and give the project the name of "E-portal 1.3" (this is the name of the code base we are going to scan.)

Changing Project Settings

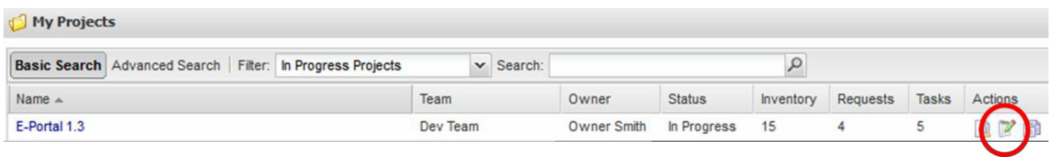
To change project settings, perform the following steps.

Task ***To change project settings, do the following:***

1. Log out and log in as *Owner* with the password that you inserted for this user.

2. Select **My Projects** on the top toolbar to see *e-Portal 1.3*.

3. Click the **Edit Project** icon in the **Actions** column

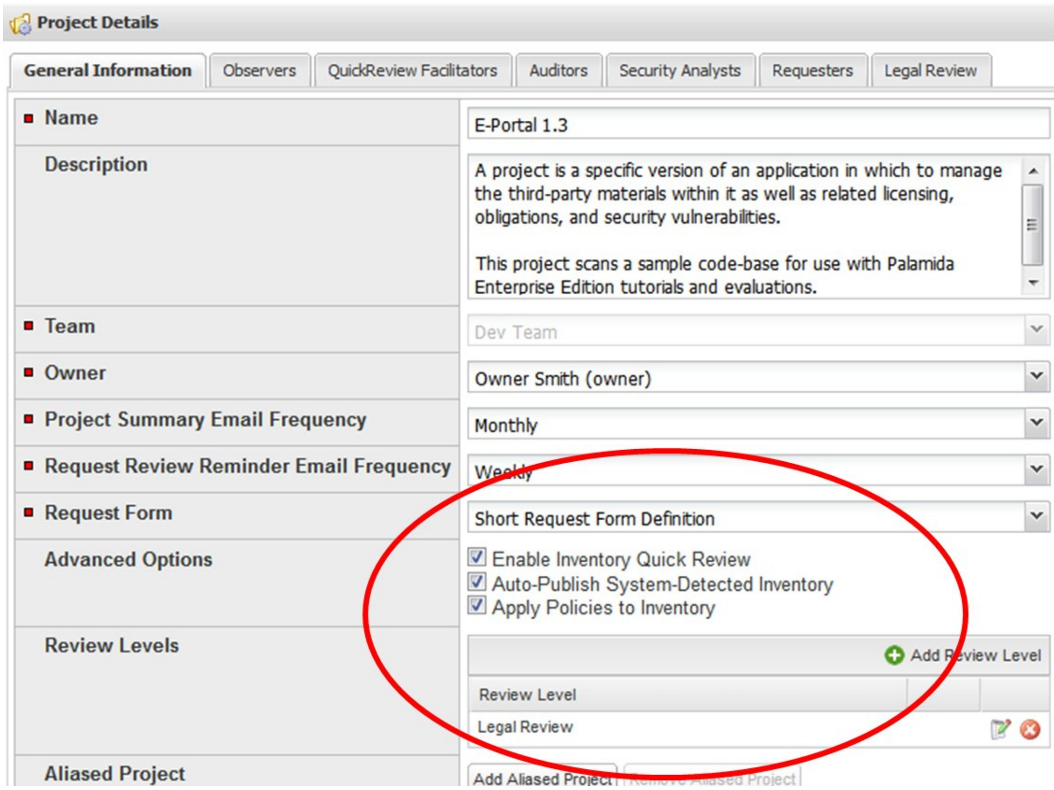


4. In the first tab, "General Information", perform the following changes:

5. Change the Request Form to **Short Request Form Definition**.

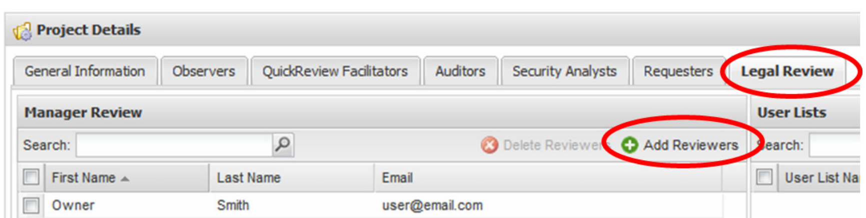
6. Check off all Advanced Options – in particular is the **Auto-Publish System-Detected Inventory**.

7. Add a Review Level called **Legal Review**.

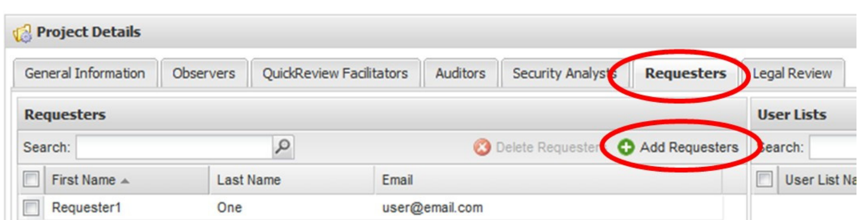


8. For each **Review Level** created, a new tab is added to the **Project Details** with the same name given for the Review Level. You must associate users who are allowed to approve project requests.

9. On the **Legal Review** tab, add the *owner* as a user allowed to approve requests.



10. Add a user able to submit new requests in the project by clicking on the **Requesters** tab and adding the **Requester1** user.



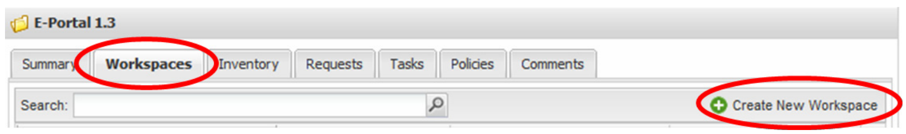
11. Save the changes for the project.

Creating a Workspace

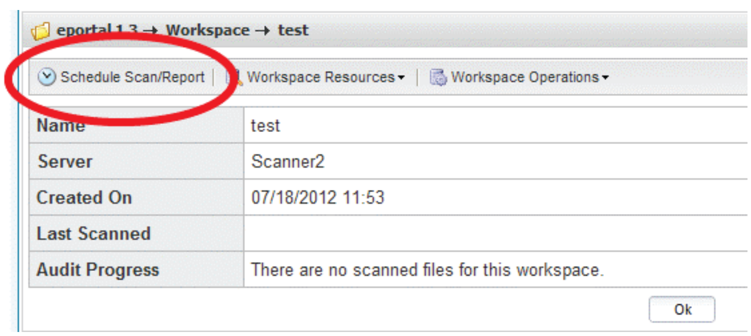
To create a workspace, perform the following steps.

Task ***To create a workspace, do the following:***

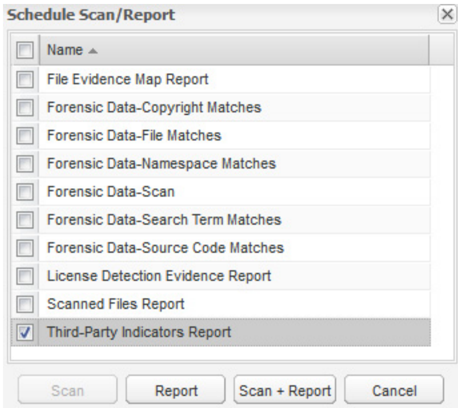
1. Log out and then log in as *Owner* with the password that you inserted for this user.
2. Select **My Projects** on the top toolbar to see *e-Portal 1.3*.
3. Click the blue hyperlink for this project and go to the **Workplaces** tab.



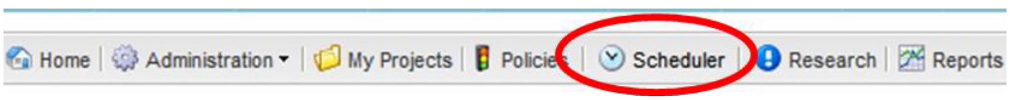
4. Click **Create New Workspace**.
5. Give the workspace a name (no spaces, periods, or special characters) and accept the default scanner that is indicated (set to **scanner1** by default).
6. On the next screen, in the **Folders to scan** section, browse to `[palamida install directory]\docs\tutorial\ePortal-1.3\`.
7. Save the settings and return to the **Workspaces** page.
8. Click the hyperlinked name of the workspace and on the next page, click **Schedule Scan/Report**.



9. A good report to include with your scan is the **Third-Party Indicators Report**, so check this report and select **Scan + Report**.



10. Select **Scheduler** on the top toolbar to view the status of scans, reports, and other tasks:

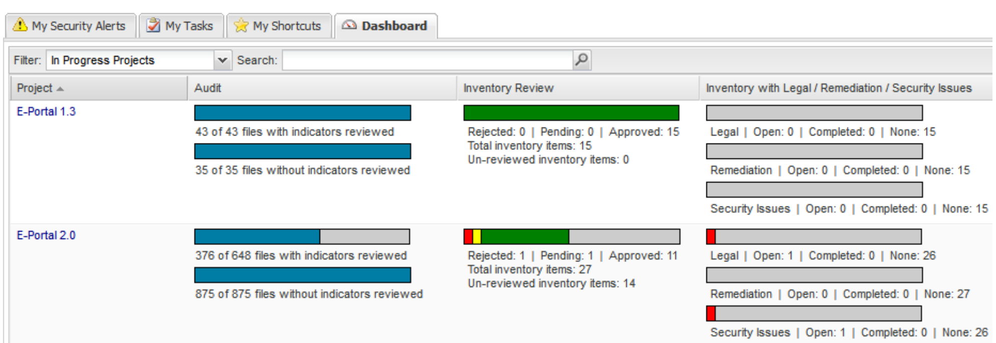


Managing Project Inventory

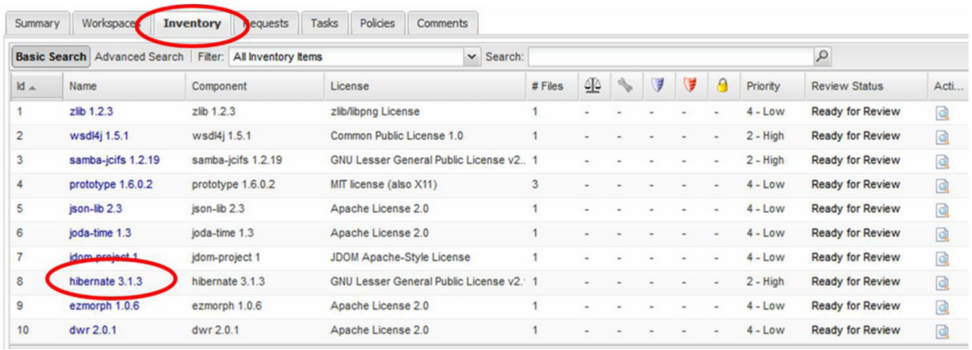
To manage project inventory, perform the following steps.

Task ***To manage project inventory, do the following:***

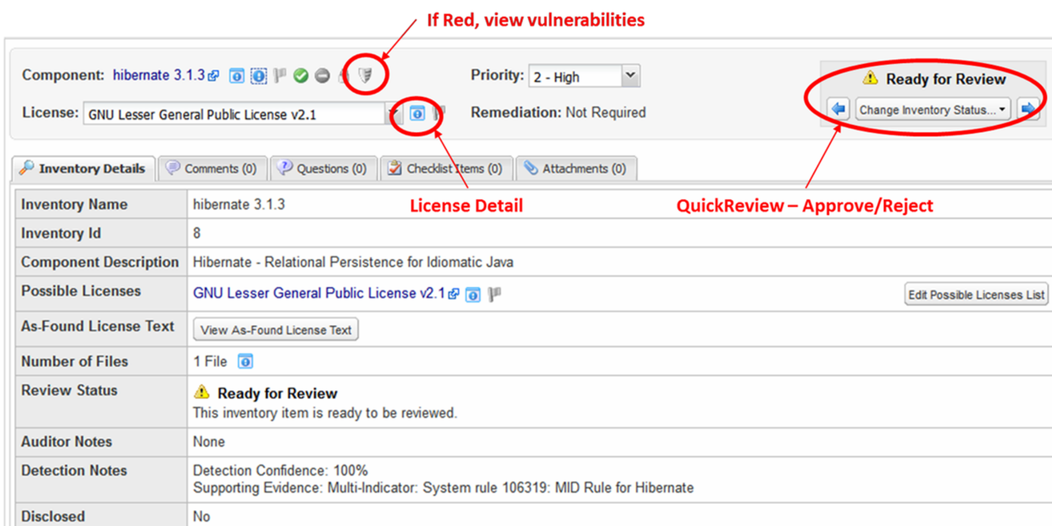
1. Log into Code Insight as *Owner*. All projects the user has access to in the system are displayed in the **Dashboard** along with some additional information.



2. On the **Dashboard**, click the name of the E-Portal 1.3 project.
3. Click the **Inventory** tab to see any auto-published bills of material.
4. Click an item's name (for example, **hibernate 3.1.3**).



5. Investigate the license detail information. If the shield icon is red, the component/version contains vulnerabilities and can be shown.



6. To perform a Quick Approval or Rejection, select the **Change Inventory Status** drop-down.
7. Since the Owner also has Policy Administration rights, you are prompted to create an automatic policy for this component. By creating a policy, the next time this component is inventoried it will be automatically approved or rejected based on the selected inventory status.

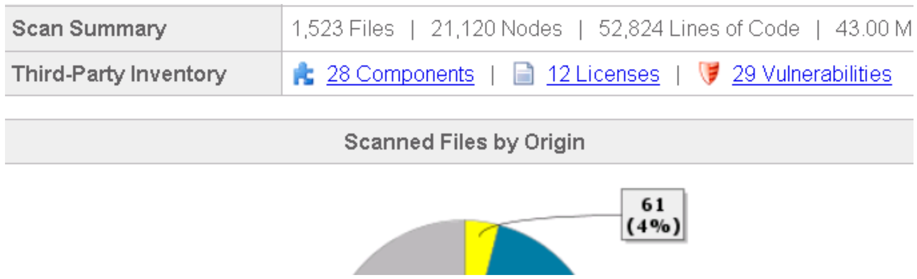
Running Reports

To run reports, perform the following steps.

Task ***To run reports, do the following:***

1. Click the **Reports** icon on the top toolbar.
2. Select the Code Insight Report.
3. Select the **Report Scope** for the created Team and Project.
4. Click **Generate** to run the report.

5. Click the components, licenses and vulnerabilities links to see third-party inventory details.

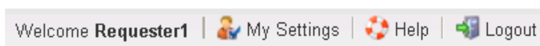


Making a Request

To make a request, perform the following steps.

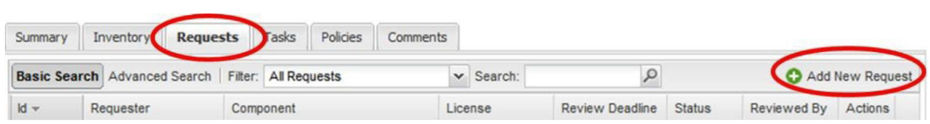
Task ***To make a request, do the following:***

1. Log out and log back into Code Insight as *Requester1*, using the same password as *Owner*.

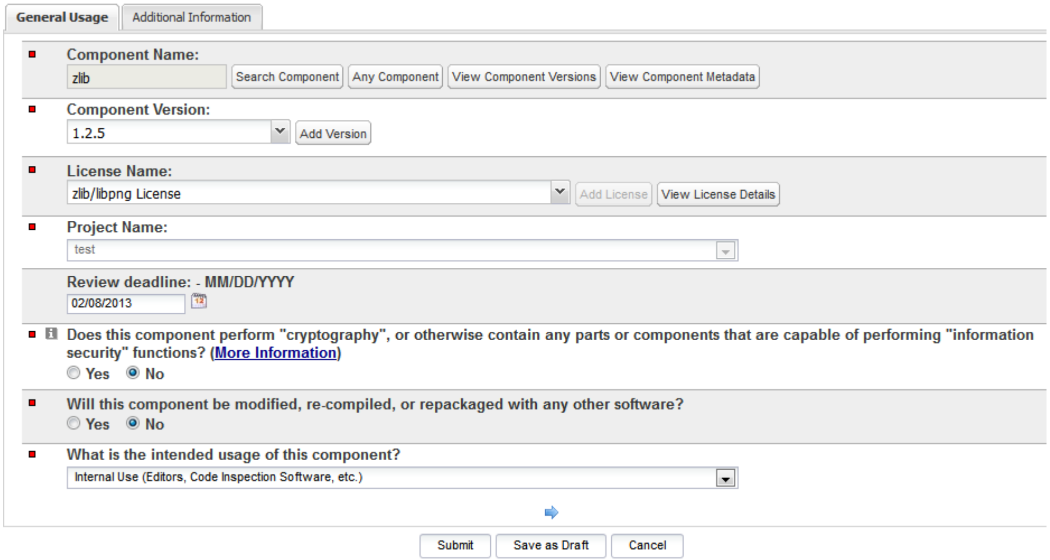


Note ▪ *We gave permission to Requester1 to create requests for the E-Portal 1.3 project in Changing Project Settings.*

2. Click the **E-Portal 1.3** link in the dashboard.
3. Click the **Requests** tab and select **Add New Request**.



4. Fill out the form by searching for a component (for example, `zlib`), identifying the versions and license for the request, and then answering any required questions (identified by the red square).
5. Click **Submit**.



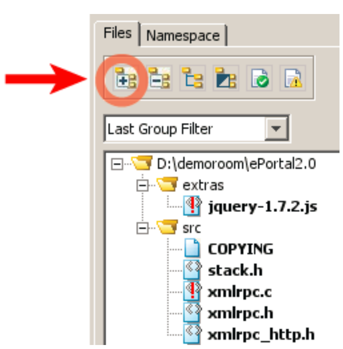
Using Detector

To use Detector, follow the procedures in this section.

Task ***To start and use Detector, do the following:***

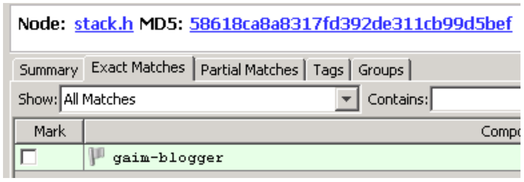
1. Log out and log back in as the *Owner* of the project.
2. On the **Dashboard,** click the name of the E-Portal 1.3 project.
3. Go to the **Workspaces** tab and click the **Detector Launch** icon in the **Actions** column.

4. To show automated findings, open the **Groups** tab, select a group (for example, **Files with GNU General Public License v2.0**) and double-click to view files in the tree browser.
5. Click **Expand Folder** in the lower left to display files that are contained in the selected group.

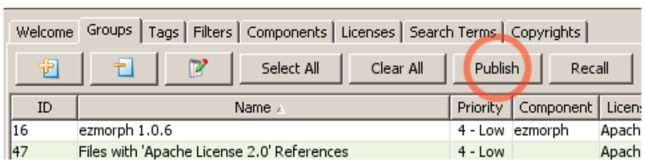


Now you may decide to classify these files into new groups which may help organize your inventory, for example when we click one of the bold names, which indicates that this is an exact bit-for-bit MD5 match.

6. Highlight the `stack.h` file and in the lower center panel, and select the **Exact Matches** tab.



7. One project, **Gaim-Blogger**, appears. This file is an exact match to a project component in the compliance library.
8. Select the checkbox next to the **Gaim Blogger** component. The **Add to Group** dialog appears.
9. Click **Create Group**. Some of the fields have been auto populated.
10. Fill in as much of the data as you can and click **Save**.
11. Find the group you just created in the **Groups** tab, select it and click **Publish**.



12. Go back to your inventory in the web interface and confirm that the **Gaim Blogger** group has been added as a name in the inventory.

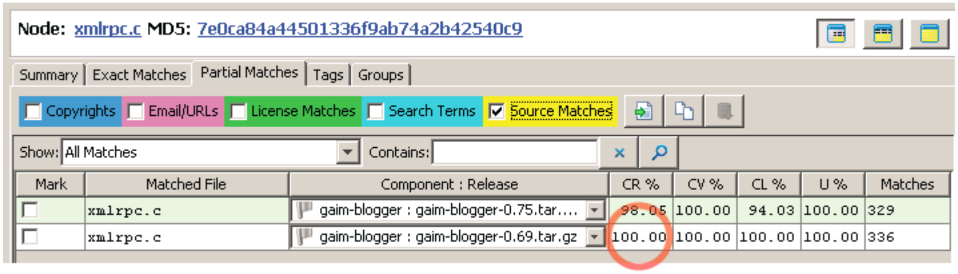
***Note* ▪ Select the *Show all* option on the bottom to see all inventory items on one page. Otherwise, click through to see the pages.**

Detector Forensic Analysis

To perform forensic analysis of the Detector, perform the following steps.

Task ***To perform forensic analysis of the Detector, do the following:***

1. Go to the Detector client and select the group, **Files with GNU General Public License v2.0**.
2. Expand the tree to see which files are in the group.
3. Select the file `xmlrpc.c`, which has a red exclamation point, which indicates that there is a partial match with this file and signatures in our library.
4. Click the **Partial Matches** tab and click the colored checkboxes at the top of the panel to show where in the code there are copyright, URL, license matches or search terms.
5. Select the **Source Matches** checkbox.



6. Two projects from the library appear. Next to these two projects you will see the code rank score, which is an aggregate score factoring in code uniqueness (U), contiguousness (CL) and coverage (CV). This ranking gives the person performing the audit clues as to the provenance of the file under analysis.
7. Once the auditor decides on the origin of the file they can the mark it (in this case, mark it as `gaim-blogger-0.69.tar.gz`).
8. In the **Group** dialog add it to the existing **Gaim Blogger** group.

Product Support Resources

The following resources are available to assist you with using this product:

- Revenera Product Documentation
- Revenera Community
- Revenera Learning Center
- Revenera Support

Revenera Product Documentation

You can find documentation for all Revenera products on the Revenera Product Documentation site:

https://docs.revenera.com

Revenera Community

On the Revenera Community site, you can 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.

https://community.revenera.com

Revenera Learning Center

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.

https://learning.revenera.com

Revenera Support

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 Revenera Community.

https://community.revenera.com

Contact Us

Revenera is headquartered in Itasca, Illinois, and has offices worldwide. To contact us or to learn more about our products, visit our website at:

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- Instagram