

Qualys Container Security

Release Notes

Version 1.6.8.6

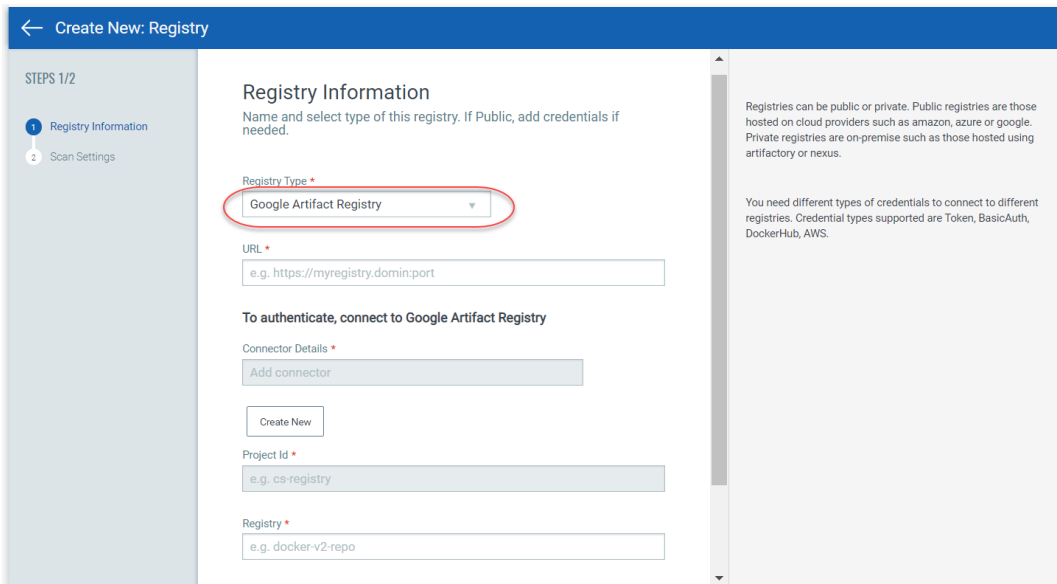
November 9, 2020

Here's what's new in Container Security 1.6.8.6!

Introducing Support for Google Artifact Registry

You can now connect to your Google Cloud Platform account to scan Google Artifact Registry images for vulnerabilities. To support this, we've introduced a new registry type called "Google Artifact Registry".

Go to **Assets > Registries > New Registry**. Choose **Google Artifact Registry** from the **Registry Type** menu and then provide registry information and scan settings.



← Create New: Registry

STEPS 1/2

1 Registry Information

2 Scan Settings

Registry Information

Name and select type of this registry. If Public, add credentials if needed.

Registry Type *

Google Artifact Registry

URL *

e.g. https://myregistry.domain.port

To authenticate, connect to Google Artifact Registry

Connector Details *

Add connector

Create New

Project Id *

e.g. cs-registry

Registry *

e.g. docker-v2-repo

Registries can be public or private. Public registries are those hosted on cloud providers such as amazon, azure or google. Private registries are on-premise such as those hosted using artifactory or nexus.

You need different types of credentials to connect to different registries. Credential types supported are Token, BasicAuth, DockerHub, AWS.

Registry Information

Provide details about the registry and the connector that will be used for authentication. In the **URL** field, enter the location where your registry is located (e.g. https://us-west2-docker.pkg.dev). In the **Registry** field, enter the name of the Artifact Registry repository (e.g. docker-v2-repo).

You'll need to create a new connector for connecting to your Google Cloud Platform account. Click the **Create New** button to create a new connector. You'll see step-by-step instructions on the screen. The steps are similar to GCR connector with one additional step for adding Artifact

Registry permissions (see image below). Once added, the connector Id and project Id will be auto filled in the Registry Information details.

← Add GCR Connector

Connector Details


Give your connector a name and provide a description (optional).

Name *

Description

Authentication Details

Configuration File Required

 Drop file here to attach or [browse](#)

Enable access to some API's in API library +

Create service account and download configuration file -

1. Login to the GCP console and select a project.
2. From the left sidebar, navigate to **IAM & admin > Service accounts** and click **CREATE SERVICE ACCOUNT**. Provide a name and description (optional) for the service account and click **CREATE**.
3. Choose **Viewer** and **Security Reviewer** role to assign at least reader permissions to the service account and click **CONTINUE**.
4. Click **CREATE KEY**. Select **JSON** as **Key type** and click **CREATE**. A message saying "Private key saved to your computer" is displayed and the JSON file is downloaded to your computer. Click **CLOSE** and then click **DONE**.
5. **Navigate to Artifact Registry, Select ARTIFACT REGISTRY** checkbox. Click **ADD MEMBER** button to give the permissions. Search created **Service Account** in **Add member** and provide **minimum read access** to **Artifact Registry**.

Upload the configuration (JSON) file to complete GCP connector creation in Qualys Cloud Platform.

Scan Settings

Provide scan settings for scanning images in your Artifact Registry repositories. These are the same scan settings as other registry types. In the **Repository** field, enter the name of the image in the Artifact Registry repository you want to scan.

← Create New: Schedule

Create Mode

Scan Settings

Scan Settings

Choose scan type to set scan settings parameters.

Scan Type

Automatic

Automatic: The sensor will only scan the repositories/images added in the registry after the schedule gets created.

Automatic scan setting parameters

Repository *

Scan start time

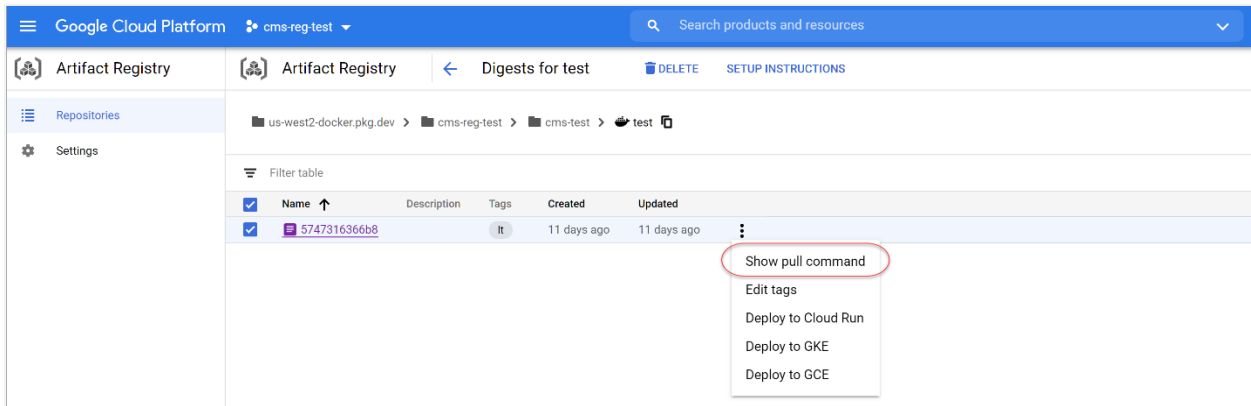
Scan every day at

Choose to scan immediately (On Demand scan) or on an ongoing basis (Automatic scan).

On Demand scan allows you to scan repositories as well as specific images within those repositories. With Automatic scan, you can scan entire repositories at a set time every day.

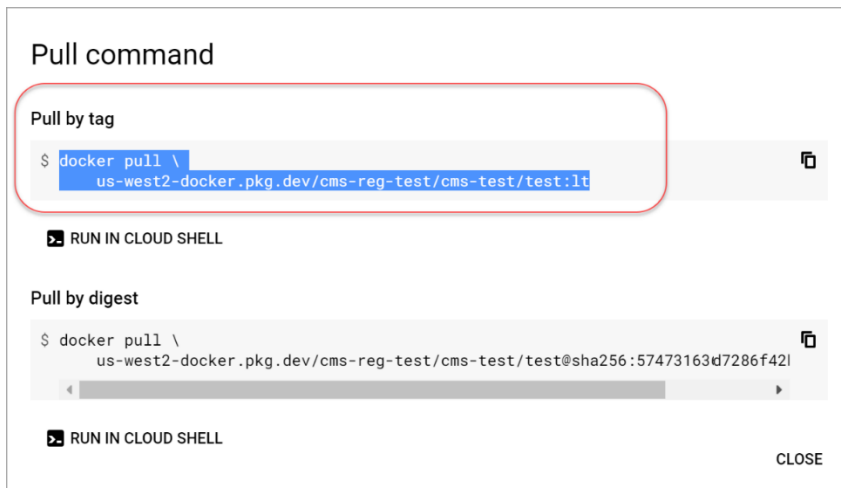
Not sure where to find Artifact Registry details in GCP?

In Google Cloud Platform, go to **Artifact Registry > Repositories**, drill-down to the image and pick the option **Show pull command**.



You'll see the Pull by tag command with this format:

```
location-docker.pkg.dev/projectId/registry/repository-image:tag
```



In the sample pull command above, you'd get the following values.

Registry Information

URL (add https://): `https://us-west2-docker.pkg.dev`

Project Id: `cms-reg-test`

Registry: `cms-test`

Scan Settings

Repository image: `test`

Tag: `lt`

Issues Addressed

- Now pageNo and pageNumber are both supported as input parameters for the following APIs: Fetch a list of containers (/v1.1/containers) and Fetch a list of images (/v1.1/images).