



Qualys Container Security v1.x

API Release Notes

Version 1.6.8.6

November 9, 2020

Qualys Container Security API gives you many ways to integrate your programs and API calls with Qualys capabilities.

What's New

[Support for Google Artifact Registry](#)

Qualys API URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here to identify your Qualys platform and get the API URL](#)

This documentation uses the API server URL for Qualys US Platform 1 (<https://qualysapi.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate server URL for your account.

Support for Google Artifact Registry

APIs affected	/csapi/v1.1/registry /csapi/v1.1/registry/validate /csapi/v1.1/registry/{registryId}
New or Updated APIs	Updated

This release introduces support for Google Artifact Registries through the UI and API.

Create/Update Google Artifact Registry

/v1.1/registry

[POST]

You can create, update a Google Artifact Registry with GCAR connector.

Input Parameters:

Parameter	Description
GCAR	
connectorId	Provide the GCAR connector Id if your registry will be hosted on GCP. Parameters connectorId and projectId are required when the registryType is GOOGLE_ARTIFACT_REGISTRY.
projectId	Name of your GCP project (e.g. cs-registry).
registry	Name of the Google Artifact Registry repository (e.g. docker-v2-repo).
Others	
username	Username to connect to the registry. Should be in base64 format.
password	Password to connect to the registry. Should be in base64 format.
credentialType	None, Token, BasicAuth, DockerHub, AWS, GCP. Note: This parameter is not required while creating Azure or GCP registries.
dockerHubOrgName	(Optional) Organization name if the registryType is DockerHub.
registryType	AWS ECR, Azure, GCP, DockerHub, Docker V2, Docker V2-Private, GOOGLE_ARTIFACT_REGISTRY.
registryUri	URL of the registry to connect to.
registryUuid	This parameter should be empty during connector creation.

API request:

In this sample, we'll create a new Google Artifact Registry.

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic VVNFUk5BTUU6UEFTUldPUkQ=' -d
'{"gcarRequest":{"connectorId":"1131360358474747331","projectId":"qualys-
cs","registry":"ctest"},"credentialType":"GCP","registryType":"GOOGLE_AR
TIFACT_REGISTRY","registryUri":"https://us-central1-
docker.pkg.dev","registryUuid": null}'
'http://qualysapi.qualys.com/csapi/v1.1/registry'
```

Response:

```
{"registryUuid":"b36965d6-c111-4964-a0ef-6d817454c3c1"}
```

Response Code: 200

Validate Google Artifact Registry

/v1.1/registry/validate

[POST]

Use this API to validate parameters for a registry you intend to create. You can validate if a registry already exists, whether GCP account ID exists, if the credentials provided are correct, and so on.

Input Parameters:

The input parameters are similar to the inputs listed in the previous section for Create/Update Google Artifact Registry.

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'Authorization: Basic
VVNFUk5BTUU6UEFTUldPUkQ=' -d
'{"gcarRequest":{"connectorId":"1131360358474747331","projectId":"qualys-
cs","registry":"ctest"},"credentialType":"GCP","registryType":"GOOGLE_AR
TIFACT_REGISTRY","registryUri":"https://us-central1-
docker.pkg.dev","registryUuid":"a616a18c-aba5-4eaa-ae14-d62a940588c3"}'
'http://qualysapi.qualys.com/csapi/v1.1/registry/validate'
```

Response:

```
true
```

Response Code: 200

Fetch details for Google Artifact Registry

/v1.1/registry/{registryId}

[GET]

Use this API to fetch details of a registry in your account.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to fetch the details for.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic VVNFUk5BTUU6UEFTU1dPUkQ=' 'http://qualysapi.qualys.com/csapi/v1.1/registry/915911f9-0cfb-41bd-bb52-affa3f38615c'
```

Response:

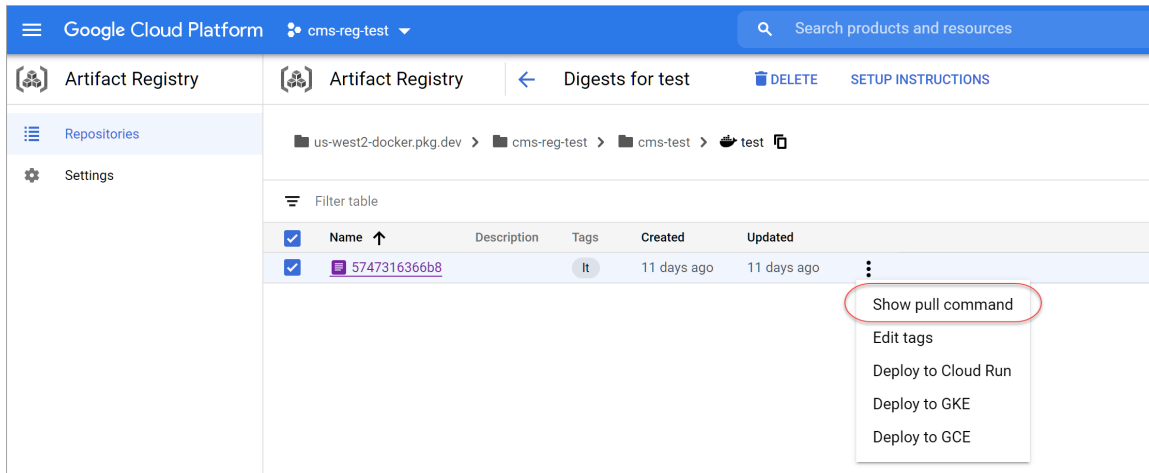
```
{
  "registryUuid": "915911f9-0cfb-41bd-bb52-affa3f38615c",
  "registryUri": "https://us-central1-docker.pkg.dev",
  "registryType": "GOOGLE_ARTIFACT_REGISTRY",
  "repoCount": 0,
  "totalImages": 0,
  "totalScannedImages": 0,
  "totalVulnerableImages": 0,
  "scheduleStatusList": {},
  "created": "1604722542324",
  "updated": "1604722542324",
  "lastScanned": null,
  "dockerHubOrg": null,
  "providerType": null,
  "aws": null,
  "credential": {
    "username": null
  },
  "connectors": null,
  "gcar": {
    "name": "ccc",
    "description": "",
    "gcpConnectorId": "1131360358474747331",
    "gcpProjectId": "qualys-cs",
    "gcpRegistry": "ctest"
  },
}
```

```
"gcp": null,  
"acr": null  
}
```

Response Code: 200

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 below, you'd get the following values that you can input for registry information and registry scan settings.

Pull command

Pull by tag

```
$ docker pull \n  us-west2-docker.pkg.dev/cms-reg-test/cms-test/test:lt
```

☒ RUN IN CLOUD SHELL

Pull by digest

```
$ docker pull \n  us-west2-docker.pkg.dev/cms-reg-test/cms-test/test@sha256:57473163d7286f42l
```

☒ RUN IN CLOUD SHELL

CLOSE

Registry Information

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

projectId: cms-reg-test

registry: cms-test

Registry Scan Settings

repo: test

tag: lt