



Qualys Container Security v1.x

API Release Notes

Version 1.6.4

March 27, 2020

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

What's New

[Support for ACR and GCR](#)

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 ACR and GCR

APIs affected	/csapi/v1.1/registry/acr/connectors /csapi/v1.1/registry/acr/connector/{connectorId} /csapi/v1.1/registry/acr/connector /csapi/v1.1/registry/gcr/connectors /csapi/v1.1/registry/gcr/connector/{connectorId} /csapi/v1.1/registry/gcr/connector
New or Updated APIs	New
APIs affected	/csapi/v1.1/registry/validate /csapi/v1.1/registry /csapi/v1.1/registry/{registryId}
New or Updated APIs	Updated

Container Security 1.6.4 introduces support for creating ACR and GCR connectors through API.

Samples

[Fetch a list of ACR connectors in your account](#)

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Fetch a list of ACR connectors in your account

/v1.1/registry/acr/connectors

[GET]

You can get a list of ACR connectors to help you create a registry.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTU1dPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/registry/acr/connectors'
```

Response:

```
{
  "name": "New ACR connector",
  "description": "This is a new connector for ACR",
  "acrConnectorId": "025b5e82-0338-4920-b091-6c028b4b39a4"
},
{
  "name": "New ACR connector 2",
  "description": "This is a new connector for ACR",
  "acrConnectorId": "0fae7c97-02d0-4a97-9790-672f3a0e6897"
},
```

Fetch ACR connector details

/v1.1/registry/acr/connector/{connectorId}

[GET]

You can get the details for an ACR connector.

Input Parameters:

Parameter	Description
connectorId	Provide the ACR connector Id to get the details for.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTUldPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/registry/acr/connector/66f9c9bf-
9b04-4631-bb64-d0abfa44e6f6'
```

Response:

```
{
  "name": "New ACR connector 4",
  "description": "This is a new connector for ACR",
  "acrConnectorId": "66f9c9bf-9b04-4631-bb64-d0abfa44e6f6"
}
```

Create a new ACR connector

/v1.1/registry/acr/connector

[POST]

Use this API to create a new ACR connector.

Input Parameters:

Parameter	Description
applicationId	Provide the Azure application ID.
clientSecret	Provide the Azure client secret.
name	Connector name.
description	(Optional) Connector description.

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'Authorization: Basic VVNFUk5BTUU6UEFTU1dPUkQ=' -d '{ \n  "applicationId": "66f9c9bf-9b04-4631-bb64-d0abfa44e6f6", \n  "clientSecret": "Q]_RHUUGbgtCgQd8DWS8U6UJl8sTqK]=", \n  "description": "This is a new connector for ACR", \n  "name": "New ACR connector 4" \n}' 'https://qualysapi.qualys.com/csapi/v1.1/registry/acr/connector'
```

Response:

```
response code 200\n{\n  "name": "New ACR connector 4",\n  "description": "This is a new connector for ACR",\n  "acrConnectorId": "66f9c9bf-9b04-4631-bb64-d0abfa44e6f6"\n}
```

Fetch a list of GCR connectors in your account

/v1.1/registry/gcp/connectors

[GET]

You can get a list of GCR connectors to help you create a registry.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTUldPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/registry/gcp/connectors'
```

Response:

```
{
  "name": "New GCR connector",
  "description": "This is a new connector for GCR",
  "gcpConnectorId": "104702225660035614490",
  "gcpProjectId": "my-second-project-239110"
},
{
  "name": "New GCR connector 2",
  "description": "This is a new connector for GCR",
  "gcpConnectorId": "107686475468845834251",
  "gcpProjectId": "my-second-project-239110"
}
```

Fetch GCR connector details

/v1.1/registry/gcp/connector/{connectorId}

[GET]

You can get the details for a GCR connector.

Input Parameters:

Parameter	Description
connectorId	Provide the GCR connector Id to get the details for.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic VVNFUk5BTUU6UEFTUldPUkQ='
'https://qualysapi.qualys.com/csapi/v1.1/registry/gcp/connector/104702225
660035614490'
```

Response:

```
{
  "name": "New GCR connector",
  "description": "This is a new connector for GCR",
  "gcpConnectorId": "104702225660035614490",
  "gcpProjectId": "my-second-project-239110"
}
```

Create a new GCR connector

/v1.1/registry/gcp/connector

[POST]

Use this API to create a new GCR connector.

Input Parameters:

Parameter	Description
name	Connector name.
description	(Optional) Connector description.
Service Account JSON	Provide the configuration JSON file.

API request:

```
curl -X POST --header 'Content-Type: multipart/form-data' --header
'Accept: application/json' --header 'Authorization: Basic
VVNFUk5BTUU6UEFTU1dPUkQ=' {"type":"formData"}
'https://qualysapi.qualys.com/csapi/v1.1/registry/gcp/connector?name=New%
20GCR%20connector'
```

Response:

```
{
  "name": "New GCR connector",
  "description": "This is a new connector for GCR",
  "gcpConnectorId": "104702225660035614490",
  "gcpProjectId": "my-second-project-239110" }
```

Create registry with ACR connector

/v1.1/registry

[POST]

Here is a sample API request to create a new registry with ACR connector. Use similar parameter input to create a registry with GCR connector, and validate and update a registry for ACR/GCR connector.

Input Parameters:

Parameter	Description
ACR	
connectorId	Provide the ACR connector Id if your registry will be hosted on Azure. This parameter is required when the registryType is Azure and you want to create a new ACR connector.
AWS	
accountId	Provide the AWS account Id if your registry will be hosted on AWS. Parameters accountId, arn, and region are required when the registryType is AWS ECR and you want to create a new AWS connector.
arn	ARN number of the account ID. Specify the ARN if you want to use an existing AWS connector, or if you want to create a new connector.
region	Region where your AWS account belong to.
GCP	
connectorId	Provide the GCR connector Id if you registry will be hosted on GCP. Parameters connectorId, location, and projectId are required when the registryType is GCP and you want to create a new GCR connector.
location	Location where your GCP account belong to.
projectId	Your GCP project ID, which is alphanumeric.
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. 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.
registryUri	URL of the registry to connect to.
registryUuid	This parameter should be empty during connector creation.

Input parameters can be provided in following format if you are using swagger.
acrRequest, aws, gcpRequest parameters are required depending on whether you are creating the new connector for AWS, Azure or GCP.

```
{
  "acrRequest": {
    "connectorId": "string"
  },
  "aws": {
    "accountId": "string",
    "arn": "string",
    "region": "string"
  },
  "credential": {
    "password": "string",
    "username": "string"
  },
  "credentialType": "None",
  "dockerHubOrgName": "string",
  "gcpRequest": {
    "connectorId": "string",
    "location": "string",
    "projectId": "string"
  },
  "registryType": "V2_PRIVATE",
  "registryUri": "string",
  "registryUuid": "string"
}
```

API request for creating a new registry with ACR connector

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic VVNFUk5BTUU6UEFTUldPUkQ=' -d
'{"acrRequest":{"connectorId":"b360d1a8-c4c3-43ab-8e5b-
7f6b61982896"},"credentialType":"Azure","registryType":"Azure","registryU
ri":"https://cmsreadonly.azurecr.io","registryUuid":null}'
'https://qualysapi.qualys.com/csapi/v1.1/registry'
```

Response:

```
{"registryUuid":"95b715e0-0fc7-4dac-b4de-2e1b92fc527d"}
```