



Qualys Container Security v1.x

API Release Notes

Version 1.4

October 09, 2018

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

What's New

[Registry API](#)

[APIs to delete Sensors, Images and Containers](#)

[Vulnerability age in vulnerability details](#)

URL to the Qualys API Server

Qualys maintains multiple Qualys platforms. The Qualys API server URL that you should use for API requests depends on the platform where your account is located.

Account Location	Platform URL
Qualys US Platform 1	https://qualysguard.qualys.com
Qualys US Platform 2	https://qualysguard.qg2.apps.qualys.com
Qualys US Platform 3	https://qualysguard.qg3.apps.qualys.com
Qualys EU Platform 1	https://qualysguard.qualys.eu
Qualys EU Platform 2	https://qualysapi.qg2.apps.qualys.eu
Qualys India Platform 1	https://qualysguard.qg1.apps.qualys.in

Registry API

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

Container Security now provides APIs to pull and scan registries and image repositories. You can create, update, list, and delete registries and registry schedules.

Use the swagger UI to try out API calls. You can directly access the Swagger UI from the following URL

<https://<QualysURL>/csapi/swagger-ui.html>

For example, if your account is on US Platform 2

<https://qualysguard.qg2.apps.qualys.com/csapi/swagger-ui.html>

Authentication to the Qualys Cloud Platform is necessary before you try out the APIs. Simply, click Authorize and provide the user name and password.

Permissions required to use APIs

- User must have the Container module enabled
- User must have API ACCESS permission

Samples

Samples to create, list, update and delete registries and registry schedules.

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- [Sample 17 - Delete multiple registry schedules \(bulk delete\)](#)

Sample 1 - Fetch a list of registries in your account

/v1.1/registry

[GET]

Here's sample request and output to fetch a list of registries in your account.

Input Parameters:

Parameter	Description
filter	Filter the registries list by providing a query using Qualys syntax. Refer to the "How to Search" topic in the online help for assistance with creating your query.
pageNo	(Required) The page to be returned. Page numbers start with 0.
pageSize	(Required) The number of records per page to be included in the response.
sort	Sort the results using a Qualys token. For example created:desc . Refer to the "Sortable tokens" topic in the online help for more information.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Basic cXVheXNfbWw6cWF0ZW1wMTIz' 'https://qualysguard.qualys.com/csapi/v1.1/registry?pageNo=0&pageSize=50'
```

Response:

```
{
  "data": [
    {
      "registryUuid": "1ec77e7b-2243-49d1-ac5b-06090ff896e4",
      "registryUri": "http://ec2-13-57-34-145.us-west-1.compute.amazonaws.com:8083",
      "registryType": "V2_PRIVATE",
      "repoCount": 2,
      "totalImages": 0,
      "totalScannedImages": 0,
    }
  ]
}
```

```

    "totalVulnerableImages": 0,
    "lastScanned": "1536301443647",
    "scheduleStatusList": {
      "Completed": 3
    },
    "created": "1536237658094",
    "updated": "1536237658094",
    "dockerHubOrg": null,
    "providerType": null,
    "awsAccountId": null,
    "awsRegion": null
  },
  {
    "registryUuid": "57739abc-ee35-43ab-9f74-2157c15a0ae4",
    "registryUri": "https://registry-1.docker.io",
    "registryType": "DockerHub",
    "repoCount": 0,
    "totalImages": 0,
    "totalScannedImages": 0,
    "totalVulnerableImages": 0,
    "lastScanned": "1536134457859",
    "scheduleStatusList": {
      "Completed": 3
    },
    "created": "1536081619949",
    "updated": "1536081619949",
    "dockerHubOrg": null,
    "providerType": "DockerHub",
    "awsAccountId": null,
    "awsRegion": null
  },...
],
"count": 6,
"groups": {}
}

```

Sample 2 - Fetch registry details

/v1.1/registry

[GET]

Here's sample request and output 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 cXVheXNfdGQ6cWF0ZWlwMTIz'
'https://qualysguard.qualys.com/csapi/v1.1/registry/ada5f044-f177-43c7-
a306-353697c6d5a0'
```

Response:

```
{
  "registryUuid": "ada5f044-f177-43c7-a306-353697c6d5a0",
  "registryUri": "https://art-hq.intranet.qualys.com:5001",
  "registryType": "V2",
  "repoCount": 252,
  "totalImages": 966,
  "totalScannedImages": 0,
  "totalVulnerableImages": 0,
  "scheduleStatusList": {
    "Completed": 2,
    "Running": 5
  },
  "created": "1537253984965",
  "updated": "1537253984965",
  "lastScanned": "1537722005089",
  "dockerHubOrg": null,
  "providerType": null,
  "aws": null,
  "credential": {
    "username": "anonymous"
  },
  "connectors": null
}
```

Sample 3 - Fetch AWS account ID and external ID

/v1.1/registry/aws-base

[GET]

You can get your AWS account ID and external ID to help you create an ARN.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic cXVheXNfbW56cWF0ZWlwMTIz'
'https://qualysguard.qualys.com/csapi/v1.1/registry/aws-base'
```

Response:

```
{
  "accountId": "20576771xxxx",
```

```
    "externalId": 27738xxxx
  }
```

Sample 4 - Fetch a list of AWS connectors in your account

/v1.1/registry/aws/connectors

[GET]

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

API request:

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

Response:

```
[
  {
    "arn": "arn:aws:iam::205767712438:role/abcd",
    "name": "AWSC1",
    "description": "AWS connector 1"
  },
  {
    "arn": "arn:aws:iam::383031258652:role/testabcd",
    "name": "AWSC2",
    "description": "AWS connector 2"
  }
]
```

Sample 5 - Fetch a list of AWS connectors for a certain account ID

/v1.1/registry/aws/connectors/{accountId}

[GET]

You can get a list of AWS connectors for an account ID to help you create a registry.

Input Parameters:

Parameter	Description
accountId	(Required) Provide the AWS account Id to get a list of connectors.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
'https://qualysguard.qualys.com/csapi/v1.1/registry/aws/connectors/205767'
```

712438'

Response:

```
[
  {
    "arn": "arn:aws:iam::205767712438:role/abcd",
    "name": "AWSC1",
    "description": "AWS connector 1"
  },
  {
    "arn": "arn:aws:iam::205767712438:role/testabcd",
    "name": "AWSC2",
    "description": "AWS connector 2"
  }
]
```

Sample 6 - Create connector

/v1.1/registry/aws/connector

[POST]

Use this API to create a new aws connector.

Input Parameters:

Parameter	Description
arn	ARN number of the account ID.
externalId	The externalId of your organization.
name	Connector name.
description	Connector description.

Input parameters can be provided in following format if you are using swagger:

```
{
  "arn": "arn:aws:iam::205767712438:role/abcd",
  "externalId": "903805594",
  "name": "TestAWS",
  "description": "Testing of AWS account"
}
```

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: */*' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw==' -d '{ \
  "arn": "arn:aws:iam::205767712438:role/abcd", \ "externalId": \
  "903805594", \ "name": "TestAWS", \ "description": "Testing of AWS
```

```
account" \ }' 'https://qualysguard.qualys.com/csapi/v1.1/registry/aws/  
connector'
```

Response:

response code 200

Sample 7 - Validate registry parameters

/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 AWS account ID exists, if the credentials provided are correct, and so on.

Input Parameters:

Parameter	Description
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.
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.
dockerHubOrgName	(Optional) Organization name if the registryType is DockerHub.
registryType	AWS ECR, DockerHub, Docker V2, Docker V2-Private.
registryUri	URL of the registry to connect to.

Input parameters can be provided in following format if you are using swagger:

```
{  
  "aws": {  
    "accountId": "383031258652",  
    "arn": "arn:aws:iam::383031258652:role/testabcd",
```



```

    "region": "us-east-2"
  },
  "credentialType": "AWS",
  "registryType": "AWS",
  "registryUri": "https://383031258652.dkr.ecr.us-east-2.amazonaws.com"
}

```

API request:

```

curl -X POST --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'Authorization: Basic
cXVheXNfdGQxOnFhdGVtcDEyMw== ' -d '{ \ "aws": { \ "accountId":
"383031258652", \ "arn": "arn:aws:iam::383031258652:role/testabcd", \
"region": "us-east-2" \ }, \ "credentialType": "AWS", \ "registryType":
"AWS", \ "registryUri": "https://383031258652.dkr.ecr.us-east-
2.amazonaws.com" \ }'
'https://qualysguard.qualys.com/csapi/v1.1/registry/
validate'

```

Response:

```

{
  "errorCode": "CMS-1504",
  "message": "Registry arn:aws:iam::383031258652:role/testabcd already
exists in system.",
  "timestamp": 1536744107711
}

```

Sample 8 - Create registry

/v1.1/registry

[POST]

Use this API to create a new registry.

Input Parameters:

Parameter	Description
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.

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.
dockerHubOrgName	(Optional) Organization name if the registryType is DockerHub.
registryType	AWS ECR, DockerHub, Docker V2, Docker V2-Private.
registryUri	URL of the registry to connect to.

Input parameters can be provided in following format if you are using swagger:

```
{
  "aws": {
    "accountId": "383031258652",
    "arn": "arn:aws:iam::383031258652:role/testabcd",
    "region": "us-east-2"
  },
  "credentialType": "AWS",
  "registryType": "AWS",
  "registryUri": "https://383031258652.dkr.ecr.us-east-2.amazonaws.com"
}
```

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw==' -d '{ \ "aws": { \ "accountId": "383031258652", \ "arn": "arn:aws:iam::383031258652:role/testabcd", \ "region": "us-east-2" \ }, \ "credentialType": "AWS", \ "registryType": "AWS", \ "registryUri": "https://383031258652.dkr.ecr.us-east-2.amazonaws.com" \ }' 'https://qualysguard.qualys.com/csapi/v1.1/registry'
```

Response:

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

Sample 9 - Update registry

/v1.1/registry/{registryId}

[PUT]

Use this API to update an existing registry.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to update.
accountId	Provide a new AWS account Id for this registry.
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.
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.
dockerHubOrgName	(Optional) Organization name if the registryType is DockerHub.
registryType	AWS ECR, DockerHub, Docker V2, Docker V2-Private. This field is not updatable, but should be provided as input during registry update.
registryUri	URL of the registry to connect to. This field is not updatable, but should be provided as input during registry update.

Input parameters can be provided in following format if you are using swagger:

```
{ "credential": {
  "username": "Y21zLWF1dGg=",
  "password": "YWJjZDEyMzQ="
},
"credentialType": "BasicAuth",
"registryType": "V2",
"registryUri": "https://art-hq.intranet.qualys.com:5002"
}
```

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw==' -d '{"credential": { \ "username": "Y21zLWF1dGg=", \ "password":
```

```
"YWJjZDEyMzQ=" \ }, \ "credentialType": "BasicAuth", \ "registryType":
"V2", \ "registryUri": "https://art-hq.intranet.qualys.com:5002" \ }'
'https://qualysguard.qualys.com/csapi/v1.1/registry/b994c2e6-8961-4133-
a889-662d8cf52310'
```

Response:

Returns the same registry ID with response code 200.

Sample 10 - Fetch a list of repositories in a registry

/v1.1/registry/{registryId}/repository

[GET]

Here's sample request and output to fetch a list of repositories in a registry.

Input Parameters:

Parameter	Description
registryId	(Required) The ID of the registry for which you want to list the repositories.
filter	Filter the registries list by providing a query using Qualys syntax. Refer to the “How to Search” topic in the online help for assistance with creating your query.
pageNo	(Required) The page to be returned. Page numbers start with 0.
pageSize	(Required) The number of records per page to be included in the response.
sort	Sort the results using a Qualys token. For example repositoryName:asc . Refer to the “Sortable tokens” topic in the online help for more information.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
'https://qualysguard.qualys.com/csapi/v1.1/registry/995a2ab4-48dc-48ef-
905d-9ecf846d63cb/repository?pageNo=0&pageSize=50'
```

Response:

```
{
  "data": [
    {
      "repoName": "qualys/cms/cms-processor-service",
      "totalImages": 4,
      "totalScannedImages": 4,
    }
  ]
}
```

```

    "totalVulnerableImages": 2
  },
  {
    "repoName": "qualys/cms/cms-api-service",
    "totalImages": 4,
    "totalScannedImages": 4,
    "totalVulnerableImages": 1
  }
],
"count": 2,
"groups": {}
}

```

Sample 11 - Fetch a list of schedules created for a registry

/v1.1/registry/{registryId}/schedule

[GET]

Here's sample request and output to fetch a list of schedules created for a registry.

Input Parameters:

Parameter	Description
registryId	(Required) The ID of the registry for which you want to list the schedules.
filter	Filter the registries list by providing a query using Qualys syntax. Refer to the "How to Search" topic in the online help for assistance with creating your query.
pageNo	(Required) The page to be returned. Page numbers start with 0.
pageSize	(Required) The number of records per page to be included in the response.
sort	Sort the results using a Qualys token. For example created:desc . Refer to the "Sortable tokens" topic in the online help for more information.

API request:

```

curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
'https://qualysguard.qualys.com/csapi/v1.1/registry/995a2ab4-48dc-48ef-
905d-9ecf846d63cb/schedule?pageNo=0&pageSize=50 '

```

Response:

```
{
  "data": [
    {
      "scheduleUuid": "f98a64e7-4a62-40ae-b155-4a0cd445b42b",
      "onDemand": true,
      "created": "1537174851067",
      "updated": "1537174851067",
      "jobStartDate": "1537174851192",
      "jobCompletionDate": null,
      "name": null,
      "errors": null,
      "schedule": "00:00",
      "filters": [
        {
          "repoTags": [
            {
              "repo": ".*",
              "tag": null
            }
          ],
          "days": null
        }
      ],
      "status": "Running"
    }
  ],
  {
    "scheduleUuid": "397b65f8-4b91-4698-8d7b-245b667981c3",
    "onDemand": true,
    "created": "1536745686008",
    "updated": "1536745686008",
    "jobStartDate": "1536745686923",
    "jobCompletionDate": "1536745690933",
    "name": null,
    "errors": null,
    "schedule": "00:00",
    "filters": [
      {
        "repoTags": [
          {
            "repo": "qualys/cms/cms-api-service",
            "tag": "1.2.0.0"
          }
        ],
        "days": 7
      }
    ],
    "status": "Completed"
  }
}
```

```

    },
    ...
  ],
  "count": 5,
  "groups": {}
}

```

Sample 12 - Create registry schedule

/v1.1/registry/{registryId}/schedule

[POST]

Use this API to create a schedule to pull and scan a registry.

Input Parameters:

Parameter	Description
registryId	(Required) The ID of the registry you want to scan.
OnDemand	Specify true if you want to enable OnDemand scan. Otherwise, Automatic scan will be triggered everyday at a set time.
repo	Provide the name of the repository you want to scan. You can add one more repositories to a single scan schedule.
tag	For OnDemand scan, include image tags you want to include in the scan (comma separated values).
days	For OnDemand scan, include images created certain days ago. 1 to 7 days / 14 (for last two weeks).
schedule	For Automatic scan, specify time in UTC to scan at a set time every day. For example 19:30.

Input parameters can be provided in following format if you are using swagger:

```

{
  "name": "scheduleTest",
  "onDemand": true,
  "filters": [
    {
      "repoTags": [{
        "repo": "qualys/cms/cms-api-service",
        "tag": "1.2.0.0"
      }],
      "days": 7
    }
  ],
  "schedule": null
}

```

```
}
```

API request:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
-d '{ \ "name": "scheduleTest", \ "onDemand": true, \ "filters": [ \ { \
"repoTags": [{ \ "repo": "qualys/cms/cms-api-service", \ "tag": "1.2.0.0"
\ }], \ "days": 7 \ } \ ], \ "schedule": null \ }'
'https://qualysguard.qualys.com/csapi/v1.1/registry/995a2ab4-48dc-48ef-
905d-9ecf846d63cb/schedule'
```

Response:

```
{"scheduleUuid": "397b65f8-4b91-4698-8d7b-245b667981c3" }
```

Sample 13 - Update registry schedule

/v1.1/registry/{registryId}/schedule/{scheduleId}

[PUT]

Use this API to update an existing registry schedule. Jobs in running state cannot be updated.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to update.
scheduleId	(Required) ID/UUID of the schedule you want to update.
OnDemand	Specify true if you want to enable OnDemand scan. Otherwise, Automatic scan will be triggered everyday at a set time. This parameter is not updatable, as you can update only Automatic scan jobs.
repo	Provide the name of the repository you want to scan. You can add one more repositories to a single scan schedule. This parameter is not updatable.
tag	For OnDemand scan, include image tags you want to include in the scan (comma separated values). This parameter is not updatable, as you can update only Automatic scan jobs.

days	For OnDemand scan, include images created certain days ago. 1 to 7 days, or 14 for last two weeks. This parameter is not updatable, as you can update only Automatic scan jobs.
schedule	For Automatic scan, specify time in UTC to scan at a set time every day. For example 19:30.

Input parameters can be provided in following format if you are using swagger:

```
{
  "name": "scheduleTest",
  "onDemand": true,
  "filters": [
    {
      "repoTags": [{
        "repo": "cms-auth",
        "tag": ""
      }],
      "days": 14
    }
  ],
  "schedule": "00:00"
}
```

API request:

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw==' -d '{ \ "name": "scheduleTest", \ "onDemand": true, \ "filters": [ \ { \ "repoTags": [{ \ "repo": "cms-auth", \ "tag": "" \ }], \ "days": 14 \ } \ ], \ "schedule": "00:00" \ }' 'https://qualysguard.qualys.com/csapi/v1.1/registry/995a2ab4-48dc-48ef-905d-9ecf846d63cb/schedule/5c4c7e21-9119-48f7-9458-57cededae000'
```

Response:

Returns the same schedule ID with response code 200.

Sample 14 - Delete a registry in your account

/v1.1/registry/{registryId}

[DELETE]

Use this API to delete an existing registry in your account.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to delete. Note: You cannot delete a registry whose schedules are in "Running" state.

API request:

```
curl -X DELETE --header 'Accept: text/plain' --header 'Authorization:
Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
'https://qualysguard.qualys.com/csapi/v1.1/registry/95b715e0-0fc7-4dac-
b4de-2e1b92fc527d'
```

Response:

```
response code 200
```

Sample 15 - Delete multiple registries (bulk delete) in your account

/v1.1/registry

[DELETE]

Use this API to delete multiple registries in your account.

Input Parameters:

Parameter	Description
registryIds	(Required) ID/UUIDs of the registries you want to delete. Should be in the form of an array. Note: You cannot delete registries whose schedules are in "Running" state.

Input parameters can be provided in following format if you are using swagger:

```
[ "fc129b85-e23c-4236-9fd2-47a257746208", "fe066970-0efc-4b04-91f4-
b21870c61136" ]
```

API request:

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic cXVheXNfdGQ6cWF0ZWlwMTIz' -d
['fc129b85-e23c-4236-9fd2-47a257746208', 'fe066970-0efc-4b04-91f4-
b21870c61136'] 'https://qualysguard.qualys.com/csapi/v1.1/registry'
```

Response:

```
Returns {"deletedRegistryUuids":["fc129b85-e23c-4236-9fd2-
47a257746208","fe066970-0efc-4b04-91f4-b21870c61136"]}
```

response code 200

Sample 16 - Delete a registry schedule

/v1.1/registry/{registryId}/schedule/{scheduleId}

[DELETE]

Use this API to delete an existing registry schedule.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to delete.
scheduleId	(Required) ID/UUID of the schedule you want to delete. Note: You cannot delete a schedule which is in "Running" state.

API request:

```
curl -X DELETE --header 'Accept: text/plain' --header 'Authorization:
Basic cXVheXNfbWs6cWF0ZWlwMTIz'
'https://qualysguard.qualys.com/csapi/v1.1/registry/8eadf73e-357a-4282-
9351-1ff453e4131d/schedule/aeablccd-a2ae-4bd9-807d-d387b0555fbe'
```

Response:

response code 200

Sample 17 - Delete multiple registry schedules (bulk delete)

/v1.1/registry/{registryId}/schedule

[DELETE]

Use this API to delete multiple registry schedules.

Input Parameters:

Parameter	Description
registryId	(Required) ID/UUID of the registry you want to delete.
scheduleIds	(Required) ID/UUIDs of the schedules you want to delete. Should be in the form of an array. Note: You cannot delete schedules that are in "Running" state.

Input parameters can be provided in following format if you are using swagger:

```
[ "9a9468c9-33d7-49aa-8275-a1e92b30c916" , "8843983c-f0c6-441b-b8ed-4d00acf195b3" ]
```

API request:

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept: text/plain' --header 'Authorization: Basic cXVheXNfdGQ6cWF0ZWlwMTIz' -d '[ "9a9468c9-33d7-49aa-8275-a1e92b30c916" , "8843983c-f0c6-441b-b8ed-4d00acf195b3" ]' 'https://qualysguard.qualys.com/csapi/v1.1/registry/fc129b85-e23c-4236-9fd2-47a257746208/schedule/'
```

Response:

```
Returns { "deletedScheduleUuids": [ "9a9468c9-33d7-49aa-8275-a1e92b30c916" , "8843983c-f0c6-441b-b8ed-4d00acf195b3" ] }
```

response code 200

APIs to delete Sensors, Images and Containers

APIs affected	/csapi/v1.1/sensors /csapi/v1.1/images /csapi/v1.1/containers
New or Updated APIs	New

Container Security now provides APIs to delete sensors, images and containers in your account.

Use the swagger UI to try out API calls. You can directly access the Swagger UI from the following URL

`https://<QualysURL>/csapi/swagger-ui.html`

For example, if your account is on US Platform 2

`https://qualysguard.qg2.apps.qualys.com/csapi/swagger-ui.html`

Authentication to the Qualys Cloud Platform is necessary before you try out the APIs. Simply, click Authorize and provide the user name and password.

Permissions required to use APIs

- User must have the Container module enabled
- User must have API ACCESS permission

Samples

Samples to delete sensors, images and containers.

Sample 1 - Delete sensors in your account

/v1.1/sensors

[DELETE]

Use this API to delete existing sensors in your account. You can only delete sensors with UNKNOWN status.

Input Parameters:

Parameter	Description
sensorDeleteRequest	(Required) user filters to query sensors or provide one or more sensor UUIDs to delete. Filter can be applied by providing a query using Qualys syntax. Refer to the "How to Search" topic in the online help for assistance with creating your query.

Input parameters can be provided in following format if you are using swagger:

```
{
  "filter": "hostname:cms"
}
```

API request:

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic cXVheXNfYmczOnFhdGVtcEAXMjM='
-d '{ \ "filter": "hostname:cms" \ }'
'https://qualysguard.qualys.com/csapi/v1.1/sensors'
```

Response:

```
Returns {"deletionJobId":"bbaac4c7-6263-4e2f-b391-bcb032975206"}
```

```
response code 200
```

Sample 2 - Delete images in your account

/v1.1/images

[DELETE]

Use this API to delete existing images in your account. Images with active containers (CREATED, RUNNING, STOPPED, PAUSED) associated with them, cannot be deleted.

Input Parameters:

Parameter	Description
imageDeleteRequest	(Required) user filters to query images or provide one or more image UUIDs to delete. Filter can be applied by providing a query using Qualys syntax. Refer to the “How to Search” topic in the online help for assistance with creating your query.

Input parameters can be provided in following format if you are using swagger:

```
{
  "imageIds": [
    "e3e4cca0-8305-3835-810a-b334dcb65a33"
  ]
}
```

API request:

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept:
text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='
-d '{ \ "imageIds": [ \ "e3e4cca0-8305-3835-810a-b334dcb65a33" \ ] \ }'
```

```
'https://qualysguard.qualys.com/csapi/v1.1/images'
```

Response:

```
Returns {"deletionJobId":"980ce235-5677-4997-81ca-3905e63471bb"}  
  
response code 200
```

Sample 3 - Delete containers in your account

/v1.1/containers

[DELETE]

Use this API to delete existing containers in your account.

Input Parameters:

Parameter	Description
containerDeleteRequest	(Required) user filters to query containers or provide one or more container UUIDs to delete. Filter can be applied by providing a query using Qualys syntax. Refer to the “How to Search” topic in the online help for assistance with creating your query.

Input parameters can be provided in following format if you are using swagger:

```
{  
  "containerIds": [  
    "a6025a31-bd86-37e6-9de7-5722af586b66", "c4032e71-5969-34a9-a8a9-  
ba2b69729673"  
  ]  
}
```

API request:

```
curl -X DELETE --header 'Content-Type: application/json' --header 'Accept:  
text/plain' --header 'Authorization: Basic cXVheXNfdGQxOnFhdGVtcDEyMw=='  
-d '{ \ "containerIds": [ \ "a6025a31-bd86-37e6-9de7-5722af586b66",  
"c4032e71-5969-34a9-a8a9-ba2b69729673" \ ] \ }'  
'https://qualysguard.qualys.com/csapi/v1.1/containers'
```

Response:

```
Returns {"deletionJobId":"413b076e-01a8-4780-8e62-875b615a9a1f"}  
  
response code 200
```

Vulnerability age in vulnerability details

APIs affected	/csapi/v1.1/images/{imageId}/vuln /csapi/v1.1/containers/{containerId}/vuln
---------------	--

New or Updated APIs	Updated
---------------------	---------

APIs to fetch vulnerability details for images and containers, now show the age of a vulnerability as "ageInDays". The age value is displayed in days. Age is calculated from the point Qualys published the vulnerability.

Here is sample request and response to fetch vulnerability details of an image. The response contains **ageInDays**.

API request:

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic dGVzdF9idDpxYXRlbXBAMTIz'
'https://qualysguard.p01.eng.sjc01.qualys.com/csapi/v1.1/images/b9e15a5d1
e1a/vuln?type=ALL&sort=qid%3Aasc'
```

Response:

```
{
  "details": [
    {
      "vulnerability": null,
      "result": "Exact OS obtained: Ubuntu Linux 16.04.5\\n",
      "lastFound": "1538722400369",
      "firstFound": "1538722400369",
      "fixed": null,
      "severity": 2,
      "customerSeverity": 2,
      "port": null,
      "typeDetected": "CONFIRMED",
      "status": null,
      "nonRunningKernel": null,
      "nonExploitableConfig": null,
      "runningService": null,
      "risk": 20,
      "category": "General remote services",
      "os": null,
      "discoveryType": [
        "REMOTE"
      ],
      "authType": [],
      "supportedBy": [
        "VM"
      ],
    }
  ],
}
```



```
"product": [],
"vendor": [],
"cveids": [],
"threatIntel": {
  "activeAttacks": null,
  "zeroDay": null,
  "publicExploit": null,
  "highLateralMovement": null,
  "easyExploit": true,
  "highDataLoss": null,
  "noPatch": true,
  "denialOfService": null,
  "malware": null,
  "exploitKit": null,
  "publicExploitNames": null,
  "malwareNames": null,
  "exploitKitNames": null
},
"qid": 38510,
"title": "CA Agent Discloses Exact Operating System Version",
"cvssInfo": {
  "baseScore": "5.0",
  "temporalScore": "4.8",
  "accessVector": "Network"
},
"cvss3Info": {
  "baseScore": "7.8",
  "temporalScore": "7.0"
},
"patchAvailable": false,
"published": 1141200000000,
"ageInDays": 4605,
"software": null
},
],
...
}
```