



Qualys Container Security v1.x

API Release Notes

Version 1.14.1

March 24, 2022

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

What's New

[Schedule Scan Interval for Automatic Registry Scans](#)

[New Option to Force Registry Image Scan](#)

Qualys API URL

Container Security supports both API server URLs and API gateway URLs for API requests.

The Qualys API server or gateway 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 URL for Qualys US Platform 2 (<https://gateway.qg2.apps.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate server URL for your account.

Schedule Scan Interval for Automatic Registry Scans

You now have the option to configure how often an Automatic registry scan job will run – every day, every 7 days, every 14 days, every 30 days, etc. Specify the number of days using the new input parameter **scheduleScanIntervalInDays** with an integer value of 1-365.

Please note that you can only specify a scan start time for a daily scan. For a daily Automatic scan, set `scheduleScanIntervalInDays=1`.

Create Registry Schedule

/v1.3/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 a certain number of days ago. Enter 1-7 days or 14 (for last two weeks).
scheduleScanIntervalInDays	For Automatic scan, specify how often the scan should run in days (1-365). For example, set to 1 to scan daily, set to 7 to scan every 7 days, set to 10 to scan every 10 days, etc.
schedule	(Valid only when <code>scheduleScanIntervalInDays=1</code>) For a daily Automatic scan, specify the scan start time in UTC (e.g., 19:30).

API Sample

In this sample, we're creating a new registry schedule for Automatic scan type with the interval set to every 7 days.

API request:

```
curl -X POST
'https://gateway.qg2.apps.qualys.com/csapi/v1.3/registry/123a4ab5-67dc-
89ef-012d-3ecf456d78cb/schedule' -d '{"name":"scheduleTest",
"onDemand":false, "filters": [{"repoTags": [{"repo":"qualys/cms/cms-api-
service"}], "days":null}], "scheduleScanIntervalInDays":7,
"schedule":null, "registryType":"AWS"}' --header 'Authorization: Bearer
<token>'
```

Response:

```
{"scheduleUuid":"123b45f6-7b89-0123-4d5b-678b901234c5"}
```

Update Registry Schedule

/csapi/v1.3/{registryId}/schedule/{scheduleId}

[PUT]

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 cannot be updated, 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 cannot be updated.)
tag	For OnDemand scan, include image tags you want to include in the scan (comma separated values). (This parameter cannot be updated, as you can update only Automatic scan jobs.)
days	For OnDemand scan, include images created certain days ago. Enter 1-7 days or 14 (for last two weeks). (This parameter cannot be updated, as you can update only Automatic scan jobs.)

scheduleScanIntervalInDays	For Automatic scan, specify how often the scan should run in days (1-365). For example, set to 1 to scan daily, set to 7 to scan every 7 days, set to 10 to scan every 10 days, etc.
schedule	(Valid only when scheduleScanIntervalInDays=1) For a daily Automatic scan, specify the scan start time in UTC (e.g., 19:30).

API Sample

In this sample, we're updating an existing registry schedule for Automatic scan type.

API request:

```
curl -X PUT
'https://gateway.qg2.apps.qualys.com/csapi/v1.3/registry/123a4ab5-67dc-
89ef-012d-3ecf456d78cb/schedule/123b45f6-7b89-0123-4d5b-678b901234c5' -d
'{"name":"scheduleTest", "onDemand":false, "filters": [{"repoTags":
[{"repo":"qualys/cms/cms-api-service"}], "days":null}},
"scheduleScanIntervalInDays":1, "schedule":"13:00",
"registryType":"AWS"}' --header 'Authorization: Bearer <token>'
```

Response:

Returns the same schedule ID with response code 200.

New Option to Force Registry Image Scan

This feature must be enabled for your subscription. Please reach out to your Technical Account Manager or Qualys Support if you're interested in this feature.

When this feature is enabled, you'll see a new option for registry scan schedules (in the UI and API) to force the scan of all images every time the registry scan is launched. For Automatic scans, this will be based on the user-specified scan schedule.

Using the API, specify **"forceScan": true** when creating or updating your registry scan schedule (Automatic or On Demand) to scan all images each time the registry scan is launched. Each scan job will scan new images and re-scan previously found images. By default, the **forceScan** option is set to **false**. In this case, the first scan will include all matching images and subsequent scans will include only new images.

You can specify **"forceScan": true** for On Demand scans and for Automatic scans that run every 7 days or longer. In other words, the scan cannot be set to run more frequently than every 7 days. Use the **scheduleScanIntervalInDays** parameter to specify how often the Automatic scan will run.

Create Registry Schedule

/csapi/v1.3/{registryId}/schedule

[POST]

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 a certain number of days ago. 1 to 7 days / 14 (for last two weeks).

scheduleScanIntervalInDays	For Automatic scan, specify how often the scan should run in days (1-365). For example, set to 1 to scan daily, set to 7 to scan every 7 days, set to 10 to scan every 10 days, etc. Note: To use forceScan for Automatic scan, scheduleScanIntervalInDays must be 7 or greater.
schedule	(Valid only when scheduleScanIntervalInDays=1) For a daily Automatic scan, specify the scan start time in UTC (e.g., 19:30).
forceScan	(When the Force Registry Image Scan feature is enabled, this option is valid for OnDemand scans and for Automatic scans when scheduleScanIntervalInDays is 7 or greater.) Specify true if you want to scan all images each time the registry scan is launched. This means each scan job will scan new images and re-scan previously found images. Default is false .

API Sample

In this sample, we're creating a new registry schedule and setting forceScan to true.

API request:

```
curl -X POST
'https://gateway.qg2.apps.qualys.com/csapi/v1.3/registry/123a4ab5-67dc-
89ef-012d-3ecf456d78cb/schedule' -d '{"name":"scheduleTest",
"onDemand":false, "filters": [{"repoTags": [{"repo":"qualys/cms/cms-api-
service"}]}, {"days":null}], "scheduleScanIntervalInDays":14,
"schedule":null, "forceScan":true, "registryType":"AWS"}' --header
'Authorization: Bearer <token>'
```

Response:

```
{"scheduleUuid":"123b45f6-7b89-0123-4d5b-678b901234c5"}
```

Update Registry Schedule

/csapi/v1.3/{registryId}/schedule/{scheduleId}

[PUT]

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 cannot be updated, 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 cannot be updated.)
tag	For OnDemand scan, include image tags you want to include in the scan (comma separated values). (This parameter cannot be updated, 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 cannot be updated, as you can update only Automatic scan jobs.)
scheduleScanIntervalInDays	For Automatic scan, specify how often the scan should run in days (1-365). For example, set to 1 to scan daily, set to 7 to scan every 7 days, set to 10 to scan every 10 days, etc. Note: To use forceScan for Automatic scan, scheduleScanIntervalInDays must be 7 or greater.
schedule	(Applicable only when scheduleScanIntervalInDays=1) For a daily Automatic scan, specify the scan start time in UTC (e.g., 19:30).
forceScan	(When the Force Registry Image Scan feature is enabled, this option is valid for OnDemand scans and for Automatic scans when scheduleScanIntervalInDays is 7 or greater.) Specify true if you want to scan all images each time the registry scan is launched. This means each scan job will scan new images and re-scan previously found images. Default is false .

API Sample

In this sample, we're updating an existing registry schedule and setting forceScan to false.

API request:

```
curl -X PUT
'https://gateway.qg2.apps.qualys.com/csapi/v1.3/registry/123a4ab5-67dc-
89ef-012d-3ecf456d78cb/schedule/123b45f6-7b89-0123-4d5b-678b901234c5' -d
'{"name":"scheduleTest", "onDemand":false, "filters": [{"repoTags":
[{"repo":"qualys/cms/cms-api-service"}], "days":null}],
"scheduleScanIntervalInDays":1, "schedule":"13:00", "forceScan": false,
"registryType":"AWS"}' --header 'Authorization: Bearer <token>'
```

Response:

Returns the same schedule ID with response code 200.