



Qualys Container Security

API Release Notes

Version 1.30

November 1, 2023

Qualys Cloud Suite API gives you many ways to integrate your programs and API calls with Qualys capabilities. You'll find all the details in our user guides, available at the time of release. Just log in to your Qualys account and go to Help > Resources.

What's New

[Assign Vulnerability Exceptions Dynamically](#)

[Generate Reports on Image Secrets](#)

[Update Secret Detection Rules](#)

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](#)

Assign Vulnerability Exceptions Dynamically

With this release, vulnerability exceptions can now be assigned to images and containers dynamically. A dynamic filter, created using QQL tokens, selects images and containers based on the filter criteria, and assigns the vulnerability exception to them.

The following APIs have been updated:

- [Create or Update an Exception](#)
- [Fetch Details of an Exception](#)

Create or Update an Exception

API affected	/csapi/v1.3/exception
Operator	POST, PUT
New or Updated APIs	Updated

You can now create or update an exception with a dynamic filter, which automatically assigns the exceptions to images and containers based on the filter criteria.

Input Parameters

The following parameters are newly added:

Parameter	Mandatory?	Data Type	Description
entityAssignment Type	Optional	string	A new value, "DYNAMIC", is now available. When you specify DYNAMIC, specify a dynamic filter.
dynamicFilter	Optional	integer	Specify a filter using QQL tokens to filter out the images to which you want to assign the exception. The following QQL tokens are supported: - For images and containers: - repo.tag - repo.repository - repo.registry - For containers: - cluster.k8s.pod.namespace

Sample: Create a New Exception with Dynamic Assignment

API Request:

```
curl -X 'POST'  
  '<qualys_base_url>/csapi/v1.3/exception'  
  -H 'accept: application/json'  
  -H 'Authorization: Bearer '  
  -H 'Content-Type: application/json'  
  -d '{  
    "name": "testapi",  
    "reason": "RISK_ACCEPTED",  
    "explanation": "risk accepted",  
    "scope": "IMAGE",
```

```
"listId": "9b157637-8132-4899-bfae-effd1ea39a75",  
"exceptionType": "VULNERABILITY",  
"entityAssignmentType": "DYNAMIC",  
"startDate": "1695635855000",  
"endDate": "1700906255000",  
"dynamicFilter": "repo.tag:rails"  
}'
```

Response:

```
{  
  "exceptionId": "2c64f53c-360d-4975-a38c-905f99d0fed4"  
}
```

Fetch Details of an Exception

API affected	/csapi/v1.3/exception/{exceptionId}
Operator	GET
New or Updated APIs	Updated

You can now see the following parameters in the response for the dynamic assignment: entityAssignmentType and dynamicFilter.

Sample: Fetch Details of an Exception with Dynamic Assignment

API Request:

```
curl -X 'GET'
  '<qualys_base_url>/csapi/v1.3/exception/2c64f53c-360d-4975-a38c-
905f99d0fed4?includeQids=true'
-H 'accept: application/json'
-H 'Authorization: Bearer <token>'
```

Response:

```
{
  "exceptionId": "2c64f53c-360d-4975-a38c-905f99d0fed4",
  "name": "testapi",
  "createdBy": "klifr_ab_test",
  "updatedBy": "klifr_ab_test",
  "created": "1695290971599",
  "updated": "1695290971599",
  "explanation": "risk accepted",
  "reason": "RISK_ACCEPTED",
  "scope": "IMAGE",
  "entityAssignmentType": "DYNAMIC",
  "listId": "9b157637-8132-4899-bfae-effd1ea39a75",
  "startDate": "1695635855000",
  "endDate": "1700906255000",
  "dynamicFilter": "repo.tag:rails",
  "qids": [
    90984
  ]
}
```

Generate Reports on Image Secrets

With this release, you can now generate on demand and scheduled reports on image secrets.

The following APIs have been updated:

- [Create a Report Request](#)
- [Fetch a Report in JSON Format](#)

Create a Report Request

API affected	/csapi/v1.3/reports
Operator	POST
New or Updated APIs	Updated

You can now generate a report on image secrets.

Input Parameter

New values are available for the following parameters:

Parameter	Mandatory?	Data Type	Description
templateName	Mandatory	string	Specify "CS_IMAGE_SECRETS" to generate a report on image secrets.
displayColumns	Optional	string	Specify the columns to include in the report. Multiple columns should be comma-separated. When the template CS_IMAGE_SECRETS is used, you can include any of these columns: repo, imageId, sha, uuid, label, created, updated, secretUuid, secretSeverity, layerSha, ruleUuid, filePath, lastUpdated, category, secretType, and matches. The default columns are: imageId, secretUuid. When unspecified, ALL report columns will be included. When an empty value is provided, only default columns will be included.

Sample: Create a Report Request for Image Secrets

API Request:

```
curl -X 'POST'
      '<qualys_base_url>/csapi/v1.3/reports'
-H 'accept: application/json'
-H 'Authorization: Bearer <token>'
-H 'Content-Type: application/json'
```

```
-d '{
  "description": "secrets_report",
  "name": "secrets_report",
  "filter": "string",
  "displayColumns": [
    "imageId",
    "secretUuid"
  ],
  "templateName": "CS_IMAGE_SECRETS",
  "expireAfter": "7"
}'
```

Response:

```
{
  "reportUuid": "7b972e20-2ef3-11ee-814b-3dadcc61dcfb"
}
```

Fetch a Report in JSON Format

API affected	/csapi/v1.3/reports/jsonReport
Operator	GET
New or Updated APIs	Updated

You can now fetch a report on image secrets in JSON format.

Input Parameter

A new value is available for the following parameter:

Parameter	Mandatory?	Data Type	Description
templateName	Mandatory	string	Specify "CS_IMAGE_SECRETS" to generate a report on image secrets.

Sample: Fetch a Report on Image Secrets in JSON Format

API Request:

```
curl -X 'GET'
'<qualys_base_url>/csapi/v1.3/reports/jsonReport?templateName=CS_IMAGE_SECRETS'
-H 'accept: application/*'
-H 'Authorization: Bearer <token>'
```

Response:

```
{
  "data": [
    {
      "uuid": "ee50c594-12e5-3bf1-963b-1e3561a67b69",
      "imageId": "dd0ebe047f19",
      "sha":
"dd0ebe047f19791cd080ce9b5c291f8b31f3452f3987363514d9c01ae4881481",
      "repo": " Registry:registry-1.docker.io
Repository:mangesh03/secretdetection Tag:default-trivy-rules-only",
      "created": "2023-04-27 06:53:39 +0000 UTC",
      "updated": "2023-07-13 04:36:59 +0000 UTC",
      "label": "",
      "layerSha":
"4ba579ed406f845d97704a1971147940211cab802b4eab0c72487cec56c70770",
      "ruleUuid": "c6c4165e-c960-11ed-afa1-0242ac120002",
      "filePath": "/root/foo/foo1.txt",
      "lastUpdated": "2023-07-13 04:32:24 +0000 UTC",
```

```
    "category": "Shopify",
    "secretUuid": "d95fd749-cb3f-4752-a988-c096d76584bb",
    "matches": "StartLine: 9::Match: shopify-
token=*****",
    "secretType": "Shopify Token",
    "secretSeverity": "HIGH"
  },
  {
    "uuid": "ee50c594-12e5-3bf1-963b-1e3561a67b69",
    "imageId": "dd0ebe047f19",
    "sha":
"dd0ebe047f19791cd080ce9b5c291f8b31f3452f3987363514d9c01ae4881481",
    "repo": " Registry:registry-1.docker.io
Repository:mangesh03/secretdetection Tag:default-trivy-rules-only",
    "created": "2023-04-27 06:53:39 +0000 UTC",
    "updated": "2023-07-13 04:36:59 +0000 UTC",
    "label": "",
    "layerSha":
"4ba579ed406f845d97704a1971147940211cab802b4eab0c72487cec56c70770",
    "ruleUuid": "20508de2-c966-11ed-afaf-0242ac120002",
    "filePath": "/root/foo/fool.txt",
    "lastUpdated": "2023-07-13 04:32:24 +0000 UTC",
    "category": "Duffel",
    "secretUuid": "27e837f4-1c58-4d98-841d-e44517cb91a7",
    "matches": "StartLine: 41::Match: duffel-api-
token=*****",
    "secretType": "Duffle API Token",
    "secretSeverity": "LOW"
  },
  ...
],
  "resourceType": "Image Secrets",
  "count": 260
}
```

Update Secret Detection Rules

You can now edit the status and severity of the secret detection rules.

The following new APIs have been introduced:

- [Update a Secret Detection Rule](#)
- [Update Multiple Secret Detection Rules Simultaneously](#)
- [Show Details of a Secret Detection Rule](#)
- [Fetch a List of Secret Detection Rules in your Account](#)

Update a Secret Detection Rule

API affected	/csapi/v1.3/secretrule/{ruleId}
Operator	PUT
New or Updated APIs	New

Lets you update the status and severity of a secret detection rule.

Input Parameters

Parameter	Mandatory?	Data Type	Description
ruleId	Mandatory	string	Specify the UUID of the secret rule that you want to update
secretRuleStatus	Mandatory	string	Specify the new status. The valid values are "active" and "inactive".
severity	Mandatory	string	Specify the new severity. The valid values are: low, medium, high, and critical.

Sample: Change the Severity of a Secret Detection Rule

API Request:

```
curl -X PUT
"<qualys_base_url>/csapi/v1.3/secretrule/ff34aaee-e4c2-11ed-b5ea-0242ac120002"
-H "accept: application/json"
-H "Content-Type: application/json"
-d '{"secretRuleStatus": "Active", "severity": "critical"}'
```

Response:

```
{
  "updated secret rule: ": "ff34aaee-e4c2-11ed-b5ea-0242ac120002"
}
```

Update Multiple Secret Detection Rules Simultaneously

API affected	/csapi/v1.3/secretrule/bulkUpdate
Operator	PUT
New or Updated APIs	New

Allows you to update the status of multiple secret detection rules at once.

Input Parameters

Parameter	Mandatory?	Data Type	Description
secretRuleStatus	Mandatory	string	Specify the new status. The valid values are "active" and "inactive".
ruleIds	Mandatory	string	Specify the UUIDs of the rules whose status you want to update.

Sample: Change the Status of Multiple Rules to Active

API Request:

```
curl -X PUT
"<qualys_base_url>/csapi/v1.3/secretrule/bulkUpdate"
-H "accept: application/json"
-H "Content-Type: application/json"
-d '{"secretRuleStatus":"Active",
  "ruleIds":[
    "ff34aaee-e4c2-11ed-b5ea-0242ac120002",
    "9559ac14-e4c2-11ed-b5ea-0242ac120002"
  ]
}'
```

Response:

```
{
  "Updating status for secret rules: ": [
    "9559ac14-e4c2-11ed-b5ea-0242ac120002",
    "ff34aaee-e4c2-11ed-b5ea-0242ac120002"
  ]
}
```

Fetch a List of Secret Detection Rules

API affected	/csapi/v1.3/secretrule
Operator	GET
New or Updated APIs	New

Fetches the list of secret detection rules available in your account.

Input Parameters

Parameter	Mandatory?	Data Type	Description
filter	Optional	string	Filter the reports 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.
pageSize	Optional	integer	Specify the number of records per page to be included in the response. The default value is 50.
pageNumber	Optional	integer	Specify the page to be returned. Page numbers start with 1. The default value is 1.
sort	Optional	string	Sort the results using a Qualys token. Refer to the “Sortable tokens” topic in the online help for more information.

Sample: Fetch a List of Secret Detection Rules

API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/secretrule?pageNumber=1&pageSize=50"
-H "accept: */*"
```

Response:

```
{
  "data": [
    {
```

```
    "ruleUuid": "0da96274-c969-11ed-afa1-0242ac120002",
    "type": "system",
    "category": "Linear",
    "severity": "MEDIUM",
    "secretDetector": "Linear API Token",
    "status": "Active",
    "regex": "lin_api_(?i)[a-z0-9]{40}",
    "created": 1687283765159,
    "updated": 1687283765159,
    "createdBy": "System",
    "updatedBy": "System",
    "keywords": [
      "lin_api_"
    ],
    "groupName": null
  },
  {
    "ruleUuid": "c6c4165e-c960-11ed-afa1-0242ac120002",
    "type": "system",
    "category": "Shopify",
    "severity": "HIGH",
    "secretDetector": "Shopify Token",
    "status": "Active",
    "regex": "shp(ss|at|ca|pa)_[a-fA-F0-9]{32}",
    "created": 1687283762140,
    "updated": 1687283762140,
    "createdBy": "System",
    "updatedBy": "System",
    "keywords": [
      "shppa_",
      "shpat_",
      "shpca_",
      "shpss_"
    ],
    "groupName": ""
  },
  ...
],
"count": "85",
"groups": {}
}
```

Show Details of a Secret Detection Rule

API affected	csapi/v1.3/secretrule/<ruleId>
Operator	GET
New or Updated APIs	New

Shows details of a secret detection rule.

Input Parameters

Parameter	Mandatory?	Data Type	Description
ruleId	Mandatory	string(\$uuid)	Specify the UUID of the rule you want to update.

Sample: Show Details of a Secret Detection Rule

API Request:

```
curl -X GET
"<qualys_base_url>/csapi/v1.3/secretrule/c6c4165e-c960-11ed-afa1-
0242ac120002"
-H "accept: application/json"
```

Response:

```
{
  "ruleUuid": "c6c4165e-c960-11ed-afa1-0242ac120002",
  "type": "system",
  "category": "Shopify",
  "severity": "HIGH",
  "secretDetector": "Shopify Token",
  "status": "Active",
  "regex": "shp(ss|at|ca|pa)_[a-zA-F0-9]{32}",
  "created": 1687283762140,
  "updated": 1687283762140,
  "createdBy": "System",
  "updatedBy": "System",
  "keywords": [
    "shppa_",
    "shpat_",
    "shpca_",
    "shpss_"
  ]
}
```