Connectors API

User Guide

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Get Started

Qualys user account

Authentication to your Qualys account with valid Qualys credentials is required for making Qualys API requests to the Qualys API servers.

The application must authenticate using Qualys account credentials (user name and password) as part of the HTTP request. The credentials are transmitted using the “Basic Authentication Scheme” over HTTPS.

For information, see the “Basic Authentication Scheme” section of RFC #2617:

http://www.faqs.org/rfcs/rfc2617.html

The exact method of implementing authentication will vary according to which programming language is used.

The allowed methods, POST and/or GET, for each API request are documented with each API call in this user guide.

Sample request - basic authentication

```
curl -u "USERNAME:PASSWORD"
https://qualysapi.qualys.com/qps/rest/3.0/get/am/awsassetdataconnect
or/179407
```

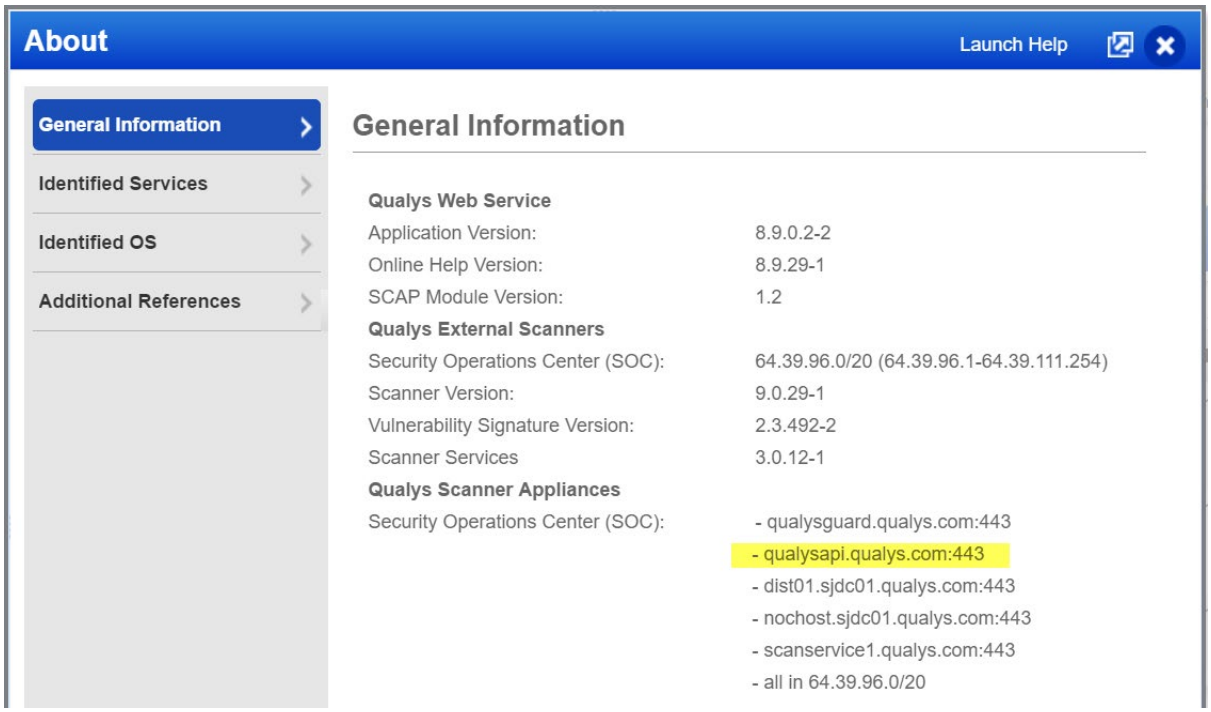
URL to Qualys API server

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

Looking for your API server URL for your account? You can find this easily. Just log in to your Qualys account and go to Help > About. You'll see this information under Security Operations Center (SOC).



Making API calls

Curl samples in our API doc

We use curl in our API documentation to show an example how to form REST API calls, and it is not meant to be an actual production example of implementation.

Object types

You have core objects, which represent domain objects for specific business goals and related objects which contain related information or collections of information. Related objects are often simplified representations of core objects but are not implicitly core objects. For example, the tags collection on Asset is a simpler form of the Tag core object, but the ports collection is not.

Collections

Collections of related objects are found within a container object called a QList. These lists will have a specific name for the type of objects they contain. For example, the tags collection Asset is a TagSimpleQList and will read and write TagSimple API objects. These lists can contain a number of sub elements.

count - (Read only) The total number of items returned in the list element

list - (Read only) The items contained in the collection on the server

set - A new collection of items to place in the server side object. Any existing items not in the list provided will be discarded.

add - A new item to be added to the server side object. The item may be keyed of one ore more fields depending on the collection. In the even that that an item in the add collection collides with an existing entry, the existing entry will be updated with the fields provided. Many collections will allow you to either associate an existing item with the targeted collection, or create a new one and add it to the collection. If you provide a key field, most often id or uuid, the object will be looked up and associated. In the absence of these fields, a new object will be created (if the list allows it).

remove - Removes an element from the list by the collections key, usually id. If the item does not exist, the entry will be ignored. Additional fields beyond the item key will also be ignored.

update - Updates item(s) in the collection. This allows you to update the fields of non-core items via the objects and reference them. Items will be resolved by the collection's key, and then additional fields applied to the found object. In the event that the supplied item does not match an existing related object, it will be ignored.

Whitespace in HTML tags

Whitespace (which includes line breaks) is not allowed in XML tags that are numbers.

Invalid tag - This syntax will not work

```
<id>
34234
</id>
```

Valid tag - This syntax will work just fine

```
<id>345254</id>
```

Pagination

Some API actions will return a list of core objects but will limit the number returned (default is 100). You can change which objects are returned and the number of objects by specifying a preferences tag in the POST body of your request.

Preferences tag fields:

startFromOffset - The first item to return by index. The default is 1.

startFromId - The first item to return by primary key. No default value.

limitResults - The total number of items to return. The default is 100.

The allowed methods, POST and/or GET, for each API request are documented with each API call in this user guide.

Sample pagination settings

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <preferences>
        <startFromOffset>100</startFromOffset>
        <limitResults>50</limitResults>
    </preferences>
</ServiceRequest>
```

Limit your results

Use the optional “fields” parameter for any Search or Get API request to limit the amount of information returned in the results. Simply specify the fields you want to include in the output, and all other information will be filtered out. Multiple fields are comma separated and wildcards are supported.

This get request will fetch tag ID 12345 and return the tag ID, name and creation date:

Sample limit results

```
https://qualysapi.qualys.com/qps/rest/2.0/get/am/tag/12345?fields=id
,name,created
```

This search request will return the ID of the connector and the ID of any default tags attached to the connector:

Sample search connectors

```
https://qualysapi.qualys.com/qps/rest/2.0/search/am/awsassetdataconn
ector?fields=id,defaultTags.list.SimpleTag.id
```

Using wildcards, the example above could be represented as:

Sample search connectors using wildcards

```
https://qualysapi.qualys.com/qps/rest/2.0/search/am/awsassetdataconn
ector?fields=id,defaultTags.*.*.iddSimpleTag.id
```

Tracking API usage by user

You can track API usage by a user without the need to provide user credentials such as the username and password.

Optional X-Powered-By header

API usage can be tracked using the X-Powered-By HTTP header which includes a unique ID generated for each subscription and a unique ID generated for each user. Once enabled, the X-Powered-By HTTP header is returned for each API request made by a user. The X-Powered-By HTTP header will be returned for both valid and invalid requests. However, it will not be returned if an invalid URL is hit or when user authentication fails.

Contact Qualys Support to get the X-Powered-By HTTP header enabled.

The X-Powered-By header is returned in the following format:

```
X-Powered-By: Qualys:<POD_ID>:<SUB_UUID>:<USER_UUID>
```

where,

- POD_ID is the shared POD or a PCP. Shared POD is USPOD1, USPOD2, etc.

- SUB_UUID is the unique ID generated for the subscription

- USER_UUID is the unique ID generated for the user. You can use the USER_UUID to track API usage per user.

Sample X-Powered-By header

```
X-Powered-By: Qualys:testpodSJC:f972e2cc-69d6-7ebd-
80e67b9a931475d8:06198167-43f3-7591-802a-1c400a0e81b1
```

Sample outputs

Here are sample outputs showing the X-Powered-By HTTP header.

Sample output for VM, PC

```
 ...
< HTTP/1.1 200 OK
```

```
< Date: Thu, 14 Sep 2017 09:11:21 GMT
< Server: Qualys < X-XSS-Protection: 1
< X-Content-Type-Options: nosniff
< X-Frame-Options: SAMEORIGIN
< X-Powered-By: Qualys:USPOD1:d9a7e94c-0a9d-c745-
82e9980877cc5043:f178af1e-4049-7fce-81ca-75584feb8e93
< X-RateLimit-Limit: 300
< X-RateLimit-Window-Sec: 3600
< X-Concurrency-Limit-Limit: 500
< X-Concurrency-Limit-Running: 0
< X-RateLimit-ToWait-Sec: 0
< X-RateLimit-Remaining: 298
< X-Qualys-Application-Version: QWEB-8.11.0.0-
SNAPSHOT20170914072818#4205
< X-Server-Virtual-Host: qualysapi.qualys.com
< X-Server-Http-Host: qualysapi.qualys.com
< Transfer-Encoding: chunked < Content-Type: text/xml;charset=UTF-8
...
```

Sample output for other Qualys apps

```
...
229HTTP/1.1 200 OK
X-Powered-By: Qualys:testpodSJC:f972e2cc-69d6-7ebd-
80e67b9a931475d8:06198167-43f3-7591-802a-1c400a0e81b1
Content-Type: application/xml
Transfer-Encoding: chunked
Date: Mon, 04 Dec 2017 05:36:29 GMT
Server: Apache
LBDEBUG: NS=10.44.1.12,SERVER=10.44.77.81:50205,CSW=cs-
qualysapi443,VSERVER=vs-papi-80,ACTIVE-SERVICES=2,HEALTH=100
...
```

Available operators

Operators supported by input parameters:

Integer - EQUALS, NOT EQUALS, GREATER, LESSER, IN

Text - CONTAINS, EQUALS, NOT EQUALS

Date - EQUALS, NOT EQUALS, GREATER, LESSER

Keyword - EQUALS, NOT EQUALS, IN

Boolean (true/false) - EQUALS, NOT EQUALS

* NOT EQUALS operator is not supported for update and delete actions. Using the NOT EQUALS operator for updating or deleting objects (such as tags, assets, host assets, AWS connectors, AWS authentication records, etc.) could result in accidental update or deletion of the objects without any warning. To prevent accidental updates/deletions, we do not support NOT EQUALS operator for updating/deleting objects.

JSON Support

Qualys Asset Management and Tagging API supports JSON requests and responses starting with version 2.11. Samples are shown below.

Headers used in samples	
Send JSON request	"Content-Type: application/json"
Get response in JSON	"Accept: application/json"

Sample 1 - Create a tag

API request

```
cat createTag.json | curl -s -k -X POST -H "Accept:
application/json" -H "Content-Type: application/json" -H "user:
acme_ss2" -H "password: passwd" -d @-
"https://qualysapi.qualys.com/qps/rest/2.0/create/am/tag"

POST data:
{
  "ServiceRequest": {
    "data": {
      "Tag": {
        "name": "Parent Tag",
        "ruleType": "NAME_CONTAINS",
        "ruleText": "windows",
        "color": "#FFFFFF",
        "children": {
          "set": {
            "TagSimple": [
              { "name": "Child 1" },
              { "name": "Child 2" }
            ]
          }
        }
      }
    }
  }
}
```

JSON output


```
{
  "ServiceResponse" : {
    "data" : [ {
      "Tag" : {
        "ruleText" : "windows",
        "color" : "#FFFFFF",
        "modified" : "2016-01-04T19:51:56Z",
        "name" : "Parent Tag",
        "children" : {
          "list" : [ {
            "TagSimple" : {
              "name" : "Child 2",
              "id" : 2066216
            }
          }, {
            "TagSimple" : {
              "name" : "Child 1",
              "id" : 2066217
            }
          } ]
        },
        "created" : "2016-01-04T19:51:56Z",
        "ruleType" : "NAME_CONTAINS",
        "id" : 2066215
      }
    } ],
    "count" : 1,
    "responseCode" : "SUCCESS"
  }
}
```


Sample 2 - Search tags

API request

```
cat searchTag.json | curl -s -k -X POST -H "Accept:
application/json" -H "Content-Type: application/json" -H "user:
acme_ss2" -H "password: passwd" -d @-
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/tag"

POST data:
{
  "ServiceRequest": {
```

```
    "filters": {
      "Criteria": [{
        "field": "parent",
          "operator": "EQUALS",
          "value": "2035617"
      },
      {
        "field": "name",
          "operator": "CONTAINS",
          "value": "child"
      },
      {
        "field": "id",
          "operator": "IN",
          "value": "2035619,2035618,2029815"
      },
      {
        "field": "ruleType",
          "operator": "EQUALS",
          "value": "GROOVY"

      },
      {
        "field": "color",
          "operator": "EQUALS",
          "value": "#EC7000"
      }
      ]
    }
  }
}
```

JSON output

```
{
  "ServiceResponse" : {
    "data" : [ {
      "Tag" : {
        "ruleText" : "windows",
        "color" : "#FFFFFF",
        "modified" : "2016-01-04T19:51:56Z",
        "name" : "Parent Tag",
        "children" : {
          "list" : [ {
            "TagSimple" : {
              "name" : "Child 2",
              "id" : 2066216
```

```
            }
          }, {
            "TagSimple" : {
              "name" : "Child 1",
              "id" : 2066217
            }
          } ]
        },
        "created" : "2016-01-04T19:51:56Z",
        "ruleType" : "NAME_CONTAINS",
        "id" : 2066215
      }
    } ],
    "count" : 1,
    "responseCode" : "SUCCESS"
  }
}
```

Connectors 3.0

Connector APIs (3.0)

We have one centralized place for you to create connectors needed for AssetView and CloudView. The application named “Connectors” application.

We are introducing new APIs in Asset Management and Tagging application that can be used as new centralized APIs for AssetView and CloudView connectors. All the new APIs for connectors belong to version 3. The existing AssetView connector APIs (version 2) continue to work without any change. However, we plan to deprecate those version 2 APIs in the coming months.

We recommend you use the new APIs (version 3) for both AssetView and CloudView connectors. The Asset Management and Tagging APIs (version 3) is available to use.

AWS Connectors APIs 3.0

Azure Connectors APIs 3.0

GCP Connectors APIs 3.0

AWS Connectors 3.0

AWS Connectors 3.0

We support the following operations for all AWS connectors in the Connectors application.

Create AWS Connector

Update AWS Connector

Run AWS Connector

Search AWS Connector

Delete AWS Connector

Get AWS Connector Info

Get AWS Base Account

Download AWS CloudFormation Template

Create AWS Connector 3.0

/qps/rest/3.0/create/am/awsassetdataconnector

[POST]

Specify the connector details such as arn, externalId, and so on and create a new connector in the Connectors application.

Permissions required - Managers with full scope.

Input Parameter

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
allRegions	(boolean) If true, the end point's collection is ignored and all the AWS regions scanned.
disabled	(boolean) Whether execution of the connector is disabled. (YES). If disabled, the connector does not synchronize assets. The disabled (boolean) parameter is used to disable a connector. This parameter when set to "true" the connector is disabled and will not run. - If a single connector is run and it is

	disabled an error is returned. - If multiple connectors are run and all are disabled an error is returned. - If multiple connectors are run and some are disabled, only connectors that are enabled will run.
arn	Generated by AWS. Ensure that you provide the same ARN that is generated by AWS.
externalId	Random string which is unique for each user.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos.set. ConnectorAppInfoQList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
set.ConnectorAppInfo	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment

Input Parameters for Cloud Perimeter Scan

You can secure publicly exposed cloud assets by enabling cloud perimeter scans for your connectors. Cloud perimeter scans use Qualys External Scanners (Internet Remote Scanners), located at the Qualys Cloud Platform.

You can automate asset discovery of Connectors and with the Cloud Perimeter Scan. This ensures all publicly-exposed assets have perimeter scans performed, based on configurations provided at Connector.

Parameters	Description
isCPSEnabled	(optional) Set this flag to enable or disable cloud perimeter scan for the AWS connector. (Note: If isCPSEnabled flag is enabled, you need to provide the following parameters for the Cloud Perimeter Scan).
connectorScanSetting	Tag to include cloud perimeter scan settings.
isCustomScanConfig Enabled	Use this flag to indicate the scan configuration to be used for cloud perimeters scan. By default, this flag is disabled and the global scan configuration is applied to the cloud perimeter scan. To use custom scan configuration, you need to enable this flag.
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT.Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is appended to the scan name. The scan name is in following format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.

startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Create new AWS asset data connector

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/awsassetdatacon
nector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
        <AwsAssetDataConnector>
            <name>Test AWSConnector API</name>
            <description>Connector created through API
automation</description>
            <defaultTags>
                <set>
                    <TagSimple>
                        <id>42458382</id>
                    </TagSimple>
                </set>
            </defaultTags>
            <activation>
                <set>
                    <ActivationModule>VM</ActivationModule>
                    <ActivationModule>CERTVIEW</ActivationModule>
                </set>
            </activation>
            <disabled>false</disabled>
            <arn>arn:aws:iam:::12345678911/role:testrole</arn>
            <externalId>POD-999999-11213331</externalId>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <isDeleted>true</isDeleted >
            <allRegions>true</allRegions>
            <runFrequency>300</runFrequency>
            <isRemediationEnabled>true</isRemediationEnabled>
            <connectorAppInfos>
```

```
                <set>
                    <ConnectorAppInfoQList>
                        <set>
                        <ConnectorAppInfo>
                            <name>AI</name>
                            <identifier>arn:aws:iam:::12345678911/ro
le:testrole</identifier>
                            <tagId>42458382</tagId>
                        </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <set>
                        <ConnectorAppInfo>
                            <name>CI</name>
                            <identifier>arn:aws:iam:::12345678911/ro
le:testrole</identifier>
                            <tagId>42458382</tagId>
                        </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <set>
                        <ConnectorAppInfo>
                            <name>CSA</name>
                            <identifier>arn:aws:iam:::12345678911/ro
le:testrole</identifier>
                            <tagId>42458382</tagId>
                        </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                </set>
        </connectorAppInfos>
        </AwsAssetDataConnector>
    </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AwsAssetDataConnector>
```

```
            <id>xxxx</id>
            <name>Test AWSConnector API</name>
            <awsAccountId>xxxxxxxxx</awsAccountId>
            <description>Connector created through API
automation</description>
            <connectorState>QUEUED</connectorState>
            <type>AWS</type>
            <defaultTags>
                <list>
                    <TagSimple>
                        <id>xxxxxx</id>
                        <name>CV_Automation_Tag</name>
                    </TagSimple>
                </list>
            </defaultTags>
            <activation>
                <list>
                    <ActivationModule>CLOUDVIEW</ActivationModule>
                    <ActivationModule>CERTVIEW</ActivationModule>
                    <ActivationModule>VM</ActivationModule>
                </list>
            </activation>
            <disabled>false</disabled>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <isChinaConfigured>false</isChinaConfigured>
            <runFrequency>300</runFrequency>
            <isRemediationEnabled>true</isRemediationEnabled>
            <connectorAppInfos>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>arn:aws:iam::xxxxxxxxxxx
:role/CV_UI_TestPod</identifier>
                                <tagId>20485923</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxxxxx</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>AI</name>
                                <identifier>arn:aws:iam::xxxxxxxxxxx
:role/CV_UI_TestPod</identifier>
```

```
                                <tagId>20485923</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxxxxx</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>arn:aws:iam::xxxxxxxxxxx
:role/CV_UI_TestPod</identifier>
                                <tagId>xxxxxxxxxxx</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxxxxx</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
            </connectorAppInfos>
            <arn>arn:aws:iam::xxxxxxxx:role/CV_UI_TestPod</arn>
            <externalId>pod-xxxxxx-15982=,83.7@5:/39-
98_</externalId>
            <qualysAwsAccountId>xxxxxxxxxxx</qualysAwsAccountId>
            <authRecord/>
            <allRegions>true</allRegions>
        </AwsAssetDataConnector>
    </data>
</ServiceResponse>
```

Sample 2: Create AWS Connector

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/awsassetdatacon
nector"
--header 'Accept: application/json'
```

Request POST Data (JSON)

```
{
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
```

```
        "name": "AWS Connector Via API",
        "description": "Connector created through API",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 42458382
            }
          }
        },
        "activation": {
          "set": {
            "ActivationModule": [
              "VM","SCA"
            ]
          }
        },
        "disabled": false,
        "arn": "arn:aws:iam:::12345678911/role:testrole",
        "externalId": "POD-999999-11213331",
        "allRegions": true,
        "runFrequency": 240,
        "isRemediationEnabled": true,
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": [
             {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
```

```
                    "name": "CSA",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              }
            ]
          }
        }
      }
    }
  }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AwsAssetDataConnector": {
                    "description": "Connector created through API",
                    "type": "AWS",
                    "name": "AWS Connector Via API",
                    "externalId": "pod-xxxxxxx-15982=,83.7@5:/39-
98_",
                    "isChinaConfigured": "false",
                    "disabled": "false",
                    "qualysAwsAccountId": "xxxxxxxxxx",
                    "runFrequency": 240,
                    "id": xxxxxxx,
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "tagMetadata": {
                                                    "id": xxxxxxx
                                                },
                                                "name": "AI",
                                                "identifier":
"arn:aws:iam::xxxxxxxxxxxx:role/CV_UI_TestPod",
                                                "tagId": xxxxxxx
                                            }
                                        }
```

```
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "tagMetadata": {
                                                    "id": xxxxxxx
                                                },
                                                "name": "CSA",
                                                "identifier":
"arn:aws:iam::xxxxxxxxxxxx:role/CV_UI_TestPod",
                                                "tagId": xxxxxxx
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "tagMetadata": {
                                                    "id": xxxxxxx
                                                },
                                                "name": "CI",
                                                "identifier":
"arn:aws:iam::xxxxxxxxx:role/CloudViewPOD1",
                                                "tagId": xxxxxxx
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "defaultTags": {
                        "list": [
                            {
                                "TagSimple": {
                                    "id": xxxxxxx,
                                    "name": "CV_Automation_Tag"
                                }
                            }
                        ]
```

```
                    },
                    "authRecord": {},
                    "activation": {
                        "ActivationModule": [
                            "CLOUDVIEW",
                            "SCA",
                            "VM"
                        ]
                    },
                    "isGovCloudConfigured": "false",
                    "allRegions": "true",
                    "connectorState": "QUEUED",
                    "arn":
"arn:aws:iam::xxxxxxxxx:role/CV_UI_TestPod",
                    "awsAccountId": "xxxxxxxxx",
                    "isRemediationEnabled": "true"
                }
            }
        ],
        "count": 1,
        "responseCode": "SUCCESS"
    }
}
}
```

Sample 3: Create AWS Connector with Cloud Perimeter Scan Enabled

API Request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/awsassetdatacon
nector"
--header 'Accept: application/json'
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
   ...
      <id>12345</id>
      <name>Sample Connector</name>
      <lastSync />
      <lastError />
      <connectorState>PENDING</connectorState>
      <type>AWS</type>
```

```
      <defaultTags>
        <list>
          <TagSimple>
            <id>1</id>
            <name>EC2</name>
          </TagSimple>
        </list>
      </defaultTags>
      <activation>
        <ActivationModule>VM</ActivationModule>
      </activation>
      <disabled>false</disabled>
      <isGovCloudConfigured>false</isGovCloudConfigured>
      <authRecord>
        <id>1</id>
        <name>my ec2</name>
      </authRecord>
      <endpoints>
        <list/>
      </endpoints>
      <allRegions>true</allRegions>
    </AwsAssetDataConnector>
    </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/aws_asset_data-connector.xsd">
  <responseCode>SUCCESS</responseCode>
...
  <isCPSEnabled>true</isCPSEnabled>
    <connectorScanSetting>
         <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled>
     </connectorScanSetting>
     <connectorScanConfig>
     <set>
       <ConnectorScanConfiguration>
          <daysOfWeek>
          <set>
             <Day>SUN</Day>
             <Day>MON</Day>
             <Day>TUE</Day>
          </set>
          </daysOfWeek>
```

```
          <optionProfileId>2</optionProfileId>
          <recurrence>WEEKLY</recurrence>
          <scanPrefix>Scan aws 02</scanPrefix>
          <startDate>31/05/2022</startDate>
          <startTime>15:45</startTime>
          <timezone>Africa/Cairo</timezone>
     </ConnectorScanConfiguration>
        </set>
     </connectorScanConfig>
...
  </data>
</ServiceResponse>
```

Update AWS Connector 3.0

/qps/rest/3.0/update/am/awsassetdataconnector

/qps/rest/3.0/update/am/awsassetdataconnector/<id>

[POST]

You can update only those connectors that created in the Connector application. Specify the connector ID and you can then update details of the specified connector.

Using the NOT EQUALS operator for updating AWS connectors could result in accidental update of unknown AWS connectors without any warning. To prevent accidental updates of unknown AWS connectors, we do not support NOT EQUALS operator for update actions.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
allRegions	(boolean) If true, the end point's collection is ignored and all the AWS regions scanned.

disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
arn	Generated by AWS. Ensure that you provide the same ARN that is generated by AWS.
externalId	Random string which is unique for each user.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos.set. ConnectorAppInfoQList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment

Input Parameters for Cloud Perimeter Scan

You can secure publicly exposed cloud assets by enabling cloud perimeter scans for your connectors. Cloud perimeter scans use Qualys External Scanners (Internet Remote Scanners), located at the Qualys Cloud Platform.

You can automate asset discovery of Connectors and with the Cloud Perimeter Scan. This ensures all publicly-exposed assets have perimeter scans performed, based on configurations provided at Connector.

Parameters	Description
isCPSEnabled	(optional) Set this flag to enable or disable cloud perimeter scan for the AWS connector (Note: If isCPSEnabled flag is enabled, you need to provide the following parameters for the Cloud Perimeter Scan).
connectorScanSetting	Tag to include cloud perimeter scan settings.
isCustomScanConfig Enabled	Use this flag to indicate the scan configuration to be used for cloud perimeters scan. By default, this flag is disabled and the global scan configuration is applied to the cloud perimeter scan. To use custom scan configuration, you need to enable this flag.
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT. Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is appended to the scan name. The scan name is in following format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.

startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Update AWS connector name

Change the name of an asset data connector with ID of 12345, add a tag with the ID of 1 to the defaultTags collection, and add us-east-1 as scanned region

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/awsassetdatacon
nector/XXXXX"
```

Request POST data

```
<ServiceRequest>
    <data>
        <AwsAssetDataConnector>
            <name>AWSConnector API Updated</name>
            <description>Updated Description Via API
Updated</description>
            <defaultTags>
                <set>
                <TagSimple>
                    <id>42458382</id>
                </TagSimple>
                </set>
            </defaultTags>
            <activation>
                <set>
                <ActivationModule>VM</ActivationModule>
                </set>
            </activation>
            <allRegions>true</allRegions>
            <disabled>false</disabled>
            <runFrequency>120</runFrequency>
            <isRemediationEnabled>false</isRemediationEnabled>
            <arn>arn:aws:iam:::12345678911/role:testrole</arn>
            <externalId>POD-999999-11213331</externalId>
            <connectorAppInfos>
```

```
                <set>
                    <ConnectorAppInfoQList>
                        <set>
                            <ConnectorAppInfo>
                                <name>AI</name>
                                <identifier>arn:aws:iam:::1234567891
1/role:testrole</identifier>
                                <tagId>42458382</tagId>
                            </ConnectorAppInfo>
                        </set>
                        <set>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>arn:aws:iam:::1234567891
1/role:testrole</identifier>
                                <tagId>42458382</tagId>
                            </ConnectorAppInfo>
                        </set>
                        <set>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>arn:aws:iam:::1234567891
1/role:testrole</identifier>
                                <tagId>42458382</tagId>
                            </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                </set>
        </connectorAppInfos>
        </AwsAssetDataConnector>
    </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AwsAssetDataConnector>
            <id>843003</id>
        </AwsAssetDataConnector>
    </data>
</ServiceResponse>
```

Sample 2 - Update AWS connector details

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/awsassetdatacon
nector/XXXXX" --header 'Accept: application/json'
```

Request POST Data (JSON)

```
 {
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
        "name": "AWSConnector API ",
        "description": "Updated Description Via API ",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 42458382
            }
          }
        },
        "activation": {
          "set": {
            "ActivationModule": [
                "SCA","PC"
            ]
          }
        },
        "allRegions": false,
        "disabled": false,
        "runFrequency": 600,
        "isRemediationEnabled": true,
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": [
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
```

```
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier":
"arn:aws:iam:::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              }
            ]
          }
        }
      }
    }
  }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "AwsAssetDataConnector": {
                    "id": xxxxx
                }
            }
        ]
    }
}
```

Sample 3 - Update AWS connector to enable Cloud Perimeter Scan

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/awsassetdatacon
nector/"< file.xml
```

Request POST data

```
<ServiceRequest>
    <data>
         ...
      <isCPSEnabled>true</isCPSEnabled>
    <connectorScanSetting>
          <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled
>
    </connectorScanSetting>
    <connectorScanConfig>
          <set>
            <ConnectorScanConfiguration>
               <daysOfWeek>
                    <set>
                       <Day>SUN</Day>
                       <Day>MON</Day>
                       <Day>TUE</Day>
                    </set>
               </daysOfWeek>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <scanPrefix>update scan prefix</scanPrefix>
               <startDate>31/05/2022</startDate>
               <startTime>15:45</startTime>
               <timezone>Africa/Cairo</timezone>
          </ConnectorScanConfiguration>
        </set>
     </connectorScanConfig>
...
    </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
```

```
        ...
  <isCPSEnabled>true</isCPSEnabled>
    <connectorScanSetting>
          <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled
>
    </connectorScanSetting>
    <connectorScanConfig>
          <set>
            <ConnectorScanConfiguration>
               <daysOfWeek>
                    <set>
                       <Day>SUN</Day>
                       <Day>MON</Day>
                       <Day>TUE</Day>
                    </set>
               </daysOfWeek>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <scanPrefix>updated- AWS scan prefix</scanPrefix>
               <startDate>31/05/2022</startDate>
               <startTime>15:45</startTime>
               <timezone>Africa/Cairo</timezone>
          </ConnectorScanConfiguration>
        </set>
     </connectorScanConfig>
...
    </data>
</ServiceResponse>
```

Delete AWS Connector 3.0

/qps/rest/3.0/delete/am/awsassetdataconnector

/qps/rest/3.0/delete/am/awsassetdataconnector/<id>

[POST]

Delete one or more AWS connectors from the Connectors application.

Using the NOT EQUALS operator for deleting AWS connectors could result in accidental deletion of AWS connectors without any warning. To prevent accidental deletion of unknown AWS connectors, we do not support NOT EQUALS operator for delete actions.

Permissions required - Managers with full scope.

Sample 1 - Delete a single AWS connector

API request

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdatacon
nector/12345"
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/aws_asset_data_connector.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <AwsAssetDataConnector ><id>12345</id></AwsAssetDataConnector >
  </data>
</ServiceResponse>
```

API Request (JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdatacon
nector/12345"
--header 'Accept: application/json'
```

```
--header 'Content-Type: application/json'
```

Response (JSON)

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 1,
    "data": {
      "AwsAssetDataConnector ": {
        "id": 12345
      }
    }
  }
}
```

Sample 2 - Delete several AWS connectors tagged with the To Delete tag

API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdatacon
nector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">To
Delete</Criteria>
    </filters>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AwsAssetDataConnector >
```

```
            <id>1680408</id>
        </AwsAssetDataConnector>
    </data>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdatacon
nector"
--header 'Accept: application/json'
```

Request POST Data (JSON)

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "activation",
          "operator": "EQUALS",
          " tagName": "Outdated"
        }
      ]
    }
  }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AwsAssetDataConnector": {
                    "id": 1680411
                }
            }
        ],
        "count": 1,
        "responseCode": "SUCCESS"
    }
}
```

XSD

<platform API server>/qps/xsd/3.0/am/aws_asset_data_connector.xsd

Run AWS Connector 3.0

/qps/rest/3.0/run/am/awsassetdataconnector

/qps/rest/3.0/run/am/awsassetdataconnector/<id>

[POST]

We will now deprecate the API endpoint to run one or more AWS connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

API Request (JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/awsassetdataconnec
tor/<id>"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response (JSON)

```
{
  "ServiceResponse": {
    "count": 1,
    "data": [
      {
        "AwsAssetDataConnector": {
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "name": "CI",
                        "identifier":
"arn:aws:iam::xxxxxxxxx:role/test-pod"
                      }
                    }
                  ]
                }
```

```
              },
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "name": "AI",
                        "identifier":
"arn:aws:iam::xxxxxxxx:role/test-pod"
                      }
                    }
                  ]
                }
              },
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "name": "CSA",
                        "identifier":
"arn:aws:iam::xxxxxxxx:role/test-pod"
                      }
                    }
                  ]
                }
              }
            ]
          },
          "id": xxxxxx,
          "nextSync": "2022-07-04T08:48:27Z",
          "isRemediationEnabled": "false",
          "lastSync": "2022-07-04T04:50:04Z",
          "connectorState": "FINISHED_ERRORS",
          "runFrequency": 240,
          "awsAccountId": "xxxxxxxx",
          "allRegions": "false",
          "lastError": "Error getting EBS Encryption By Default
Status from af-south-1. Please check if region is enabled or EC2
service is enabled for this region",
          "type": "AWS",
          "activation": {
            "ActivationModule": [
              "CLOUDVIEW"
            ]
          },
          "disabled": "false",
          "authRecord": {},
```

```
          "name": "sign",
          "isChinaConfigured": "false",
          "externalId": "pod-xxxxxx-1662018652278",
          "cloudviewUuid": "xxxxxx-85d6-xxxx-a779-4a7eb643444f",
          "isDeleted": "false",
          "isGovCloudConfigured": "false",
          "qualysAwsAccountId": "xxxxxxxx",
          "description": "testing"
        }
      }
    ],
    "responseCode": "SUCCESS"
  }
}
```

Search AWS Connector 3.0

/qps/rest/3.0/search/am/awsassetdataconnector

Returns a list of AWS connectors in the user's account that match the provided criteria. Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this specify a "preferences" tag in the POST body of your request.

Input Parameter

Parameters	Description
id	The ID of the connector that you want to search.
name	Name of the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector.
lastError	Last error date of the connector.
connectorState	State of the connector. States include PENDING, SUCCESS,ERROR, QUEUED, RUNNING, PROCESSING,FINISHED_SUCCESS, FINISHED_ERRORS, DISABLED,INCOMPLETE.
activation	Activation of Qualys modules. Includes VM, PC, SCA, CERTVIEW.
defaultTags.name	The name of a tag in the defaultTags

	collection.
defaultTag	(Integer) The ID of a tag in the defaultTags collection.
allRegions	Whether all regions should be selected.
endpoint.region	AWS region code.
authRecord	(Integer) The ID of the authentication record.
authRecord.name	(Integer) The ID of the authentication record.
disabled	(Boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
appCapability.name	Connector application capability name.
appCapability.tag.name	Tag name associates with connector identifier.

Sample: Find all asset data connectors with tag name USA

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsassetdatacon
nector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
<filters>
<Criteria field="defaultTags.name" operator="EQUALS">USA</Criteria>
</filters>
```

```
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/awsassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AwsAssetDataConnector>
            <id>1680606</id>
            <name>AWSConnector API</name>
            <awsAccountId>xxxxxxxx</awsAccountId>
            <description>Connector created through API
automation</description>
            <lastSync>2022-04-30T11:58:06Z</lastSync>
            <connectorState>FINISHED_SUCCESS</connectorState>
            <type>AWS</type>
            <defaultTags>
                <list>
                    <TagSimple>
                        <id>xxxxxxxx</id>
                        <name>testpod</name>
                    </TagSimple>
                </list>
            </defaultTags>
            <activation>
                <list>
                    <ActivationModule>CLOUDVIEW</ActivationModule>
                    <ActivationModule>CERTVIEW</ActivationModule>
                    <ActivationModule>VM</ActivationModule>
                </list>
            </activation>
            <disabled>false</disabled>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <isChinaConfigured>false</isChinaConfigured>
            <runFrequency>240</runFrequency>
            <isRemediationEnabled>true</isRemediationEnabled>
            <connectorAppInfos>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CSA</name>
```

```
                                <identifier>arn:aws:iam::xxxxxxxx:ro
le/test_pod</identifier>
                                <tagId>xxxxxxxx</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxx</id>
                                    <name>TestTag</name>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>arn:aws:iam::xxxxxxxx:ro
le/test_pod</identifier>
                                <tagId>xxxxxxxx</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxx</id>
                                    <name>TestTag</name>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>AI</name>
                                <identifier>arn:aws:iam::xxxxxxxx:ro
le/test_pod</identifier>
                                <tagId>xxxxxxxx</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxx</id>
                                    <name>Tag123</name>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
            </connectorAppInfos>
            <cloudviewUuid>xxxxxxx-6726-xxxx-ad4c-
a5fb811a9d72</cloudviewUuid>
            <arn>arn:aws:iam::xxxxxxxx:role/Saur_Test_04</arn>
            <externalId>pod-xxxxxxxx-1652751983927</externalId>
            <qualysAwsAccountId>xxxxxxxx</qualysAwsAccountId>
            <authRecord/>
            <allRegions>true</allRegions>
        </AwsAssetDataConnector>
```

```
    </data>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsassetdataconnector"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST data (JSON)

```
{
"ServiceRequest": {
"filters": {
"Criteria": [
{
"field": "defaultTags.name",
"operator": "EQUALS",
"value": "USA"
}
]
}
}
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AwsAssetDataConnector": {
                    "description": "Connector created through API
automation",
                    "name": "AWSConnector API",
                    "externalId": "pod-3734136-1652751983927",
                    "isChinaConfigured": "false",
                    "lastSync": "2022-04-30T11:58:06Z",
                    "disabled": "false",
                    "authRecord": {},
                    "connectorState": "FINISHED_SUCCESS",
                    "qualysAwsAccountId": "XXXXXXXXXXXX",
                    "runFrequency": 240,
                    "id": 1680606,
                    "activation": {
                        "ActivationModule": [
```

```
                            "CLOUDVIEW",
                            "CERTVIEW",
                            "VM"
                        ]
                    },
                    "cloudviewUuid": "95c9c13b-6726-3ef1-ad4c-
a5fb811a9d72",
                    "type": "AWS",
                    "isGovCloudConfigured": "false",
                    "allRegions": "true",
                    "arn":
"arn:aws:iam::XXXXXXXXXXXX:role/sample_user",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier":
"arn:aws:iam::XXXXXXXXXXXX:role/sample_user",
                                                "tagId": 123489465,
                                                "tagMetadata": {
                                                    "id": 123489465,
                                                    "name":
"Sample_tag"
                                                }
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                            ...
                    },
                    "isRemediationEnabled": "true"
                }
            }
        ],
        "hasMoreRecords": "false",
        "responseCode": "SUCCESS",
        "count": 1
    }
}
```

Get AWS Connector Details 3.0

/qps/rest/3.0/get/am/awsassetdataconnector/<id>

We will now deprecate the old CloudView API endpoint for 'Get AWS connector Info' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Get AWS Connector Info' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Sample 1: Fetch the AWS connector with the ID 179407

API Request (JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/awsassetdataconnec
tor/179407"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response (JSON)

```
{
  "ServiceResponse": {
    "data": [
      {
        "AwsAssetDataConnector": {
          "name": "AWS AV CONN",
          "externalId": "1659386886728",
          "isChinaConfigured": "false",
          "lastSync": "2022-07-05T03:20:18Z",
          "nextSync": "2022-07-05T07:20:00Z",
          "disabled": "false",
          "qualysAwsAccountId": "xxxxx",
          "runFrequency": 240,
          "id": 179407,
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
```

```
                        "name": "AI",
                        "identifier":
"arn:aws:iam::xxxxxxxxx:role/Cloudview_Test"
                      }
                    }
                  ]
                }
              }
            ]
          },
          "authRecord": {},
          "isGovCloudConfigured": "false",
          "connectorState": "FINISHED_SUCCESS",
          "allRegions": "false",
          "type": "AWS",
          "arn": "arn:aws:iam::xxxxxxxxx:role/Cloudview_Test",
          "isDeleted": "false",
          "awsAccountId": "xxxxxxxxx",
          "isRemediationEnabled": "false"
        }
      }
    ],
    "responseCode": "SUCCESS",
    "count": 1
  }
}
```


Sample 2: Get Details of AWS Connector with Cloud Perimeter Scan Enabled

API Request (JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/awsassetdataconnec
tor/179407"
--header 'Accept: application/json'
```

Response (JSON)

```
<ServiceResponse>
  <data>
   ...
      isCPSEnabled>true</isCPSEnabled>
      <connectorAppInfos>
        <list>
          <ConnectorAppInfoQList>
            <list>
```

```
              <ConnectorAppInfo>
                <name>AI</name>
                <identifier>arn:aws:iam::XXXXXXXXXXX:role/Sample-
IAMRole</identifier>
              </ConnectorAppInfo>
            </list>
          </ConnectorAppInfoQList>
        </list>
      </connectorAppInfos>
      <connectorScanSetting>
        <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled>
      </connectorScanSetting>
      <connectorScanConfig>
        <list>
          <ConnectorScanConfiguration>
            <scanPrefix>AWS CPS 6/2/22</scanPrefix>
            <optionProfileId>2</optionProfileId>
            <recurrence>WEEKLY</recurrence>
            <startDate>MM/DD/YYYY</startDate>
            <startTime>HH:MM</startTime>
            <daysOfWeek>
              <list>
                <Day>SUN</Day>
                <Day>MON</Day>
                <Day>TUE</Day>
              </list>
            </daysOfWeek>
            <timezone>Africa/Cairo</timezone>
          </ConnectorScanConfiguration>
        </list>
...
  </data>
</ServiceResponse>
```

Get AWS Base Account Id 3.0

/qps/rest/3.0/search/am/awsbaseaccount

/qps/rest/3.0/get/am/awsbaseaccount/<id>

Retrieve the base account details of a connector either by searching for name or id.

Permissions required - Managers with full scope.

Sample: Get Base Account with Name

API request

```
curl --location --request POST
'https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsbaseaccount'
\
```

Response (XML)

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
version.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <globalAccountId>2057xxxxx438</globalAccountId>
        <govAccountId>011xxxxx917</govAccountId>
        <chinaAccountId>011xxxx917</chinaAccountId>
        <customerGlobalAccount>false</customerGlobalAccount>
        <customerGovAccount>false</customerGovAccount>
        <customerChinaAccount>false</customerChinaAccount>
    </data>
</ServiceResponse>
```

API request(JSON)

```
curl --location --request POST
'https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsbaseaccount'
\
--header 'Accept: application/json' \
--header 'Content-Type: application/json' \
```

```
--header 'Authorization: Basic cWF0ZXNfZ2szNTpRQXRlbXBAMTIz' \
--header 'Cookie: JSESSIONID=8C54FD99F11E0DCACEF05D48ABDC350A
```

Response (JSON)


```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "globalAccountId": "2057xxxxx438",
                "govAccountId": "011xxxxx917",
                "chinaAccountId": "011xxxx917",
                "customerGlobalAccount": "false",
                "customerGovAccount": "false",
                "customerChinaAccount": "false"
            }
        ],
        "hasMoreRecords": "false"
    }
}
```

Get All Errors for AWS Connector 3.0

/qps/rest/3.0/search/am/assetdataconnectorerrors

Get the list of errors encountered when executing a connector in the connector application.

Permissions required - Managers with full scope.

Sample: Get all errors of connector

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H
"Accept:
application/json" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnec
torerrors"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
<filters>
<Criteria field="id" operator="EQUALS">167405</Criteria>
</filters>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/assetdataconnectorerrors.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>11</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
05012c5470e31894a, Error reference: 8a0a9084-7eba-4d73-8855-
1ac223fd88db</errorMessage>
```

```
            <created>2022-05-23T10:10:12Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
0be39baf8d595fedd, Error reference: 72a61d1d-f365-4527-92e3-
07807737d2cb</errorMessage>
            <created>2022-05-23T10:10:12Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
08cc2b4a5bef80d13, Error reference: 7757336e-a636-45a4-8907-
e134244ac42e</errorMessage>
            <created>2022-05-23T10:10:12Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
0f9ff0ee787ec1554, Error reference: 7f7b7461-45f1-491c-8a5b-
2a47542414fe</errorMessage>
            <created>2022-05-23T10:10:36Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
05bcf1815e3326d29, Error reference: a034a6c8-ed66-44a6-9878-
664c48cafa07</errorMessage>
            <created>2022-05-23T10:10:36Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
030e059e876ce6848, Error reference: 92d1e044-7be9-4648-8486-
f12818f97ab1</errorMessage>
            <created>2022-05-23T10:10:36Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error processing instance-id i-
0c7416add8f64cfff, Error reference: 602f12cc-d8f5-439e-91e8-
e07b57d2192d</errorMessage>
            <created>2022-05-23T10:11:00Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Processing error while evaluating control:
LAMBDA. Please contact support</errorMessage>
            <created>2022-05-23T10:10:13Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error getting EBS Encryption By Default
Status from af-south-1. Please check if region is enabled or EC2
service is enabled for this region</errorMessage>
            <created>2022-05-23T10:09:43Z</created>
```

```
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>Error getting EBS Encryption By Default
Status from eu-south-1. Please check if region is enabled or EC2
service is enabled for this region</errorMessage>
            <created>2022-05-23T10:09:32Z</created>
        </AssetDataConnectorErrors>
        <AssetDataConnectorErrors>
            <errorMessage>com.amazonaws.AmazonServiceException: AWS
was not able to validate the provided access credentials (Service:
AmazonEC2; Status Code: 401; Error Code: AuthFailure; Request ID:
5a5ac505-b83c-4681-84a4-3c39b1383bb9)</errorMessage>
            <created>2022-05-23T10:09:08Z</created>
        </AssetDataConnectorErrors>
    </data>
</ServiceResponse>
```

API request(JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnec
torerrors"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST data(JSON)

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "id",
          "operator": "EQUALS",
          "value": "1xxxxxx"
        }
      ]
    }
  }
}
```

Response(JSON)

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 11,
```

```
    "hasMoreRecords": false,
    "data": {
      "AssetDataConnectorErrors": [
        {
          "errorMessage": "Error processing instance-id i-
05012c5470e31894a, Error reference:\n8a0a9084-7eba-4d73-8855-
1ac223fd88db",
          "created": "2022-05-23T10: 10: 12Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
0be39baf8d595fedd, Error reference:\n72a61d1d-f365-4527-92e3-
07807737d2cb",
          "created": "2022-05-23T10: 10: 12Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
08cc2b4a5bef80d13, Error reference:\n7757336e-a636-45a4-8907-
e134244ac42e",
          "created": "2022-05-23T10: 10: 12Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
0f9ff0ee787ec1554, Error reference:\n7f7b7461-45f1-491c-8a5b-
2a47542414fe",
          "created": "2022-05-23T10: 10: 36Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
05bcf1815e3326d29, Error reference:\na034a6c8-ed66-44a6-9878-
664c48cafa07",
          "created": "2022-05-23T10: 10: 36Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
030e059e876ce6848, Error reference:\n92d1e044-7be9-4648-8486-
f12818f97ab1",
          "created": "2022-05-23T10: 10: 36Z"
        },
        {
          "errorMessage": "Error processing instance-id i-
0c7416add8f64cfff, Error reference:\n602f12cc-d8f5-439e-91e8-
e07b57d2192d",
          "created": "2022-05-23T10: 11: 00Z"
        },
        {
          "errorMessage": "Processing error while evaluating
control: LAMBDA. Please contact\nsupport",
```

```
          "created": "2022-05-23T10: 10: 13Z"
        },
        {
          "errorMessage": "Error getting EBS Encryption By Default
Status from af-south-1.\nPlease check if region is enabled or EC2
service is enabled for this region",
          "created": "2022-05-23T10: 09: 43Z"
        },
        {
          "errorMessage": "Error getting EBS Encryption By Default
Status from eu-south-1.\nPlease check if region is enabled or EC2
service is enabled for this region",
          "created": "2022-05-23T10: 09: 32Z"
        },
        {
          "errorMessage": "com.amazonaws.AmazonServiceException: AWS
was not able to validate\nthe provided access credentials (Service:
AmazonEC2; Status Code: 401; Error Code:\nAuthFailure; Request ID:
5a5ac505-b83c-4681-84a4-3c39b1383bb9)",
          "created": "2022-05-23T10: 09: 08Z"
        }
      ]
    }
  }
}
```

Download AWS CloudFormation Template 3.0

/qps/rest/3.0/download/am/awscloudformationtemplate

[POST]

Returns a AWS CloudFormation template based on AI or CI/CSA capability.

Permissions required - Managers with full scope.

Sample: Download AWS CloudFormation template for AI

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/download/am/awscloudforma
tiontemplate"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST data(JSON)

```
{
  "ServiceRequest": {
    "data": {
      "AwsCloudformationTemplate": {
        "awsCloudType": "Global",
        "externalId": "p11-1234-12129126127",
        "capability": "AI"
      }
    }
  }
}
```

Response(JSON)

```
{
  "AWSTemplateFormatVersion": "2010-09-09",
  "Description": " IAM Role for Qualys EC2 Connector to fetch
instances",
  "Outputs": {
```

```
    "RoleARN": {
      "Description": "The ARN of the role that can be assumed by the
Qualys EC2 Connector",
      "Value": {
        "Fn::GetAtt": [
          "QualysRole",
          "Arn"
        ]
      }
    }
  },
  "Resources": {
    "QualysRole": {
      "Type": "AWS::IAM::Role",
      "Properties": {
        "RoleName": "Role_For_QualysEC2Connector",
        "AssumeRolePolicyDocument": {
          "Version": "2012-10-17",
          "Statement": [
            {
              "Sid": "",
              "Effect": "Allow",
              "Principal": {
                "AWS": "arn:aws:iam::xxxxxxxx:root"
              },
              "Action": "sts:AssumeRole",
              "Condition": {
                "StringEquals": {
                  "sts:ExternalId": "p19-1234-12129126127"
                }
              }
            }
          ]
        },
        "Policies": [
          {
            "PolicyDocument": {
              "Version": "2012-10-17",
              "Statement": [
                {
                  "Sid": "",
                  "Effect": "Allow",
                  "Action": [
                    "ec2:DescribeInstances",
                    "ec2:DescribeAddresses",
                    "ec2:DescribeImages"
                  ],
                  "Resource": "*"
```

```
                }
              ]
            },
            "PolicyName": "IAM_Policy_For_EC2Connector"
          }
        ]
      }
    }
  }
}
```

Azure Connectors 3.0

Azure Connectors 3.0

We support the following operations for all Microsoft Azure connectors in the Connectors application.

Create Azure Connector

Update Azure Connector

Run Azure Connector

Search Azure Connector

Delete Azure Connector

Get Azure Connector Info

Create Azure Connector 3.0

/qps/rest/3.0/create/am/azureassetdataconnector

[POST]

Specify the connector details such as application Id, authenticationKey, description, directoryId, name, and subscription Id of your Azure account and create a new connector in the Connectors application.

Permissions required - Managers with full scope.

Input Parameter

Parameters	Description
id	The ID of the connector that you want to create.
name	Name of the connector you want to create.
description	Description of the connector you want to create.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
authRecord	(AzureAuthRecordSimple) The Azure authentication record the connector uses to connect to Azure. When writing/updating it is looked up by the ID field.
disabled	(boolean) Whether execution of the

	connector is disabled (YES). If disabled, the connector does not synchronize assets.
applicationId	Unique identifier of the application you create on Azure portal.
directoryId	Unique identifier of your Azure Active Directory.
subscriptionId	Unique identifier of your Microsoft Azure subscription.
authenticationKey	The secret key generated after you provide permission to the application to access the Windows Azure Service.
connectorAppInfos.set. ConnectorAppInfoQList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.

Input Parameters for Cloud Perimeter Scan

You can secure publicly exposed cloud assets by enabling cloud perimeter scans for your connectors. Cloud perimeter scans use Qualys External

Scanners (Internet Remote Scanners), located at the Qualys Cloud Platform.

You can automate asset discovery of Connectors and with the Cloud Perimeter Scan. This ensures all publicly-exposed assets have perimeter scans performed, based on configurations provided at Connector.

Parameters	Description
isCPSEnabled	(optional) Set this flag to enable or disable cloud perimeter scan for the AWS connector (Note: If isCPSEnabled flag is enabled, you need to provide the below parameters for the Cloud Perimeter Scan).
connectorScanSetting	Tag to include cloud perimeter scan settings.
isCustomScanConfig Enabled	Use this flag to indicate the scan configuration to be used for cloud perimeters scan. By default, this flag is disabled and the global scan configuration is applied to the cloud perimeter scan. To use custom scan configuration, you need to enable this flag.
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT. Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is

	appended to the scan name. The scan name is in following format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.
startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Create Azure connector

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" -
data-binary
@"https://qualysapi.qualys.com/qps/rest/3.0/create/am/azureassetdata
connector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
  <data>
    <AzureAssetDataConnector>
      <name>Azure Connector Via API</name>
      <description>Sample Azure Connector API</description>
      <defaultTags>
        <set>
          <TagSimple>
            <id>123488470</id>
          </TagSimple>
        </set>
      </defaultTags>
        <activation>
            <set>
            <ActivationModule>VM</ActivationModule>
            <ActivationModule>CERTVIEW</ActivationModule>
            <ActivationModule>SCA</ActivationModule>
            </set>
        </activation>
      <disabled>false</disabled>
      <runFrequency>240</runFrequency>
```

```
      <isRemediationEnabled>true</isRemediationEnabled>
      <isGovCloudConfigured>false</isGovCloudConfigured>
      <authRecord>
        <applicationId>xxxxxxxxx-694d-xxxx-ae0b-
d2bd14d1a4d7</applicationId>
        <directoryId>xxxxxxxxx-65ab-xxxx-9e5b-
1ea02d3d94eb</directoryId>
        <subscriptionId>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</subscriptionId>
        <authenticationKey>02LCb8/RCn0lbGj6xxxxxxxxnoH01rog=</authen
ticationKey>
      </authRecord>
      <connectorAppInfos>
        <set>
          <ConnectorAppInfoQList>
            <set>
              <ConnectorAppInfo>
                <name>AI</name>
                <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                <tagId>123489465</tagId>
              </ConnectorAppInfo>
            </set>
          </ConnectorAppInfoQList>
          <ConnectorAppInfoQList>
            <set>
              <ConnectorAppInfo>
                <name>CI</name>
                <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                <tagId>123489465</tagId>
              </ConnectorAppInfo>
            </set>
          </ConnectorAppInfoQList>
          <ConnectorAppInfoQList>
            <set>
              <ConnectorAppInfo>
                <name>CSA</name>
                <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                <tagId>123489465</tagId>
              </ConnectorAppInfo>
            </set>
          </ConnectorAppInfoQList>
        </set>
      </connectorAppInfos>
    </AzureAssetDataConnector>
  </data>
```

```
</ServiceRequest>
```

XML output

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/azureassetdataconnector.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AzureAssetDataConnector>
            <id>1672602</id>
            <name>Azure Connector Via API</name>
            <description>Sample Azure Connector API</description>
            <connectorState>QUEUED</connectorState>
            <type>AZURE</type>
            <disabled>false</disabled>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <runFrequency>240</runFrequency>
            <isRemediationEnabled>true</isRemediationEnabled>
            <connectorAppInfos>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>xxxxxxxxx-4f67-xxxx-
917d-2246853844e1</identifier>
                                <tagId>123xxx65</tagId>
                                <tagMetadata>
                                    <id>123xxx65</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>xxxxxxxxx-4f67-xxxx-
917d-2246853844e1</identifier>
                                <tagId>123489465</tagId>
                                <tagMetadata>
                                    <id>123489465</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
```

```
                        </list>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>AI</name>
                                <identifier>xxxxxxxxx-4f67-xxxx-
917d-2246853844e1</identifier>
                                <tagId>123489465</tagId>
                                <tagMetadata>
                                    <id>123489465</id>
                                </tagMetadata>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
            </connectorAppInfos>
            <authRecord/>
        </AzureAssetDataConnector>
    </data>
</ServiceResponse>
```

Sample 2 - Create Azure connector

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" -data-binary
@"https://qualysapi.qualys.com/qps/rest/3.0/create/am/azureassetdata
connector"
--header 'Accept: application/json'
```

Request POST Data (JSON)

```
{
  "ServiceRequest": {
    "data": {
      "AzureAssetDataConnector": {
        "name": "Azure Connector Via API",
        "description": "Sample Azure Connector API",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 123488470
            }
          }
        },
        "activation": {
          "set": {
```

```
            "ActivationModule": [
              "VM",
              "CERTVIEW",
              "SCA"
            ]
          }
        },
        "disabled": false,
        "runFrequency": 240,
        "isRemediationEnabled": true,
        "isGovCloudConfigured": false,
        "authRecord": {
          "applicationId": "xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7",
          "directoryId": "xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb",
          "subscriptionId": "xxxxxxxxx-4f67-xxxx-917d-2246853844e1",
          "authenticationKey": "02LCb8/RCn0lbGj6xxxxxxxxxxnoH01rog="
        },
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": [
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI",
                    "identifier": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1",
                    "tagId": 123489465
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1",
                    "tagId": 123489465
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1",
                    "tagId": 123489465
                  }
```

```
                }
              }
            ]
          }
        }
      }
    }
  }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AzureAssetDataConnector": {
                    "description": "Sample Azure Connector API",
                    "name": "Azure Connector Via API",
                    "authRecord": {},
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "AI",
                                                "identifier":
"xxxxxxxxx-4f67-xxxx-917d-2246853844e1",
                                                "tagId": 123489465,
                                                "tagMetadata": {
                                                    "id": 123489465
                                                }
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier":
"xxxxxxxxx-4f67-xxxx-917d-2246853844e1",
                                                "tagId": 123489465,
```

```
                                                "tagMetadata": {
                                                    "id": 123489465
                                                }
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier":
"xxxxxxxxx-4f67-xxxx-917d-2246853844e1",
                                                "tagId": 123489465,
                                                "tagMetadata": {
                                                    "id": 123489465
                                                }
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "isGovCloudConfigured": "false",
                    "connectorState": "QUEUED",
                    "type": "AZURE",
                    "disabled": "false",
                    "runFrequency": 240,
                    "isRemediationEnabled": "true",
                    "id": 1672601
                }
            }
        ],
        "responseCode": "SUCCESS",
        "count": 1
    }
}
```


Sample 3 - Create Azure connector with Cloud Perimeter Scan Enabled

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" -
data-binary
```

```
@"https://qualysapi.qualys.com/qps/rest/3.0/create/am/azureassetdata
connector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
   ...
      <isCPSEnabled>true</isCPSEnabled>
            <authRecord>
                <applicationId>33333333-3333-3333-3333-
333333333333</applicationId>
                <directoryId>22222222-2222-2222-2222-
222222222222</directoryId>
                <subscriptionId>11111111-1111-1111-1111-
111111111111</subscriptionId>
                <authenticationKey>02LCb8/RCn0lbGj6xcOGQPZlYG2z85aSm
CxnoH01rog=</authenticationKey>
            </authRecord>
     <connectorScanSetting>
               <isCustomScanConfigEnabled>true</isCustomScanConfigEn
abled>
     </connectorScanSetting>
     <connectorScanConfig>
          <set>
            <ConnectorScanConfiguration>
               <daysOfWeek>
                    <set>
                       <Day>SUN</Day>
                       <Day>MON</Day>
                       <Day>TUE</Day>
                    </set>
               </daysOfWeek>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <scanPrefix>Scan azure 01</scanPrefix>
               <startDate>31/05/2022</startDate>
               <startTime>15:45</startTime>
               <timezone>Africa/Cairo</timezone>
          </ConnectorScanConfiguration>
        </set>
        </connectorScanConfig>
        </AzureAssetDataConnector>
    </data>
</ServiceRequest>
```

XML output

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/aws_asset_data-connector.xsd">
  <responseCode>SUCCESS</responseCode>
...
  <isCPSEnabled>true</isCPSEnabled>
<connectorScanSetting>
     <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled>
     </connectorScanSetting>
<connectorScanConfig>
     <set>
       <ConnectorScanConfiguration>
     <daysOfWeek>
          <set>
             <Day>SUN</Day>
             <Day>MON</Day>
             <Day>TUE</Day>
          </set>
     </daysOfWeek>
     <optionProfileId>2</optionProfileId>
     <recurrence>WEEKLY</recurrence>
     <scanPrefix>Scan azure 01</scanPrefix>
     <startDate>31/05/2022</startDate>
     <startTime>15:45</startTime>
     <timezone>Africa/Cairo</timezone>
     </ConnectorScanConfiguration>
   </set>
        </connectorScanConfig>
...
  </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/3.0/am/awsassetdataconnector.xsdre.

Update Azure Connector 3.0

/qps/rest/3.0/update/am/azureassetdataconnector

/qps/rest/3.0/update/am/azureassetdataconnector/<id>

[POST]

Specify the connector ID and the details of the connector that you would want to update in the request. Your connector details get updated.

Using the NOT EQUALS operator for updating Azure connectors could result in accidental update of unknown Azure connectors without any warning. To prevent accidental updates of unknown Azure connectors, we do not support NOT EQUALS operator for update actions.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
authRecord	(AzureAuthRecordSimple) The Azure authentication record the connector uses to connect to Azure. When writing/updating it is looked up by the ID field.

disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos.set.ConnectorAppInfoQList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App. Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment

Input Parameters for Cloud Perimeter Scan

You can secure publicly exposed cloud assets by enabling cloud perimeter scans for your connectors. Cloud perimeter scans use Qualys External Scanners (Internet Remote Scanners), located at the Qualys Cloud Platform.

You can automate asset discovery of Connectors and with the Cloud Perimeter Scan. This ensures all publicly-exposed assets have perimeter scans performed, based on configurations provided at Connector.

Parameters	Description
isCPSEnabled	(optional) Set this flag to enable or disable cloud perimeter scan for the AWS connector (Note: If isCPSEnabled flag is enabled, you need to provide the below parameters for the Cloud Perimeter Scan).

connectorScanSetting	Tag to include cloud perimeter scan settings.
isCustomScanConfig Enabled	Use this flag to indicate the scan configuration to be used for cloud perimeters scan. By default, this flag is disabled and the global scan configuration is applied to the cloud perimeter scan. To use custom scan configuration, you need to enable this flag.
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT. Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is appended to the scan name. The scan name is in following format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.
startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Update Azure connector name

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/azureassetdatac
onnector/12345"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<root>
<ServiceRequest>
<data>
<AzureAssetDataConnector>
<id>2004</id>
<name>Azure Connector</name>
<description>Updated Description Via API New1</description>
<defaultTags>
<set>
<TagSimple>
<id>123488470</id>
</TagSimple>
</set>
</defaultTags>
<activation>
<set>
<ActivationModule>VM</ActivationModule>
</set>
</activation>
<authRecord>
<applicationId>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</applicationId>
<directoryId>xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb</directoryId>
<subscriptionId>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</subscriptionId>
<authenticationKey>02LCb8/RCn0lbGj6xxxxxxxxnoH01rog=</authentication
Key>
</authRecord>
<disabled>false</disabled>
<runFrequency>300</runFrequency>
<isRemediationEnabled>true</isRemediationEnabled>
<connectorAppInfos>
<set>
<ConnectorAppInfoQList>
<set>
<ConnectorAppInfo>
<name>CSA</name>
<identifier>xxxxxxxxx-4f67-xxxx-917d-2246853844e1</identifier>
<tagId>123489465</tagId>
</ConnectorAppInfo>
```

```
</set>
</ConnectorAppInfoQList>
</set>
</connectorAppInfos>
</AzureAssetDataConnector>
</data>
</ServiceRequest>
</root>
```

Response

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
  <data>
    <AzureAssetDataConnector>
      <id>842602</id>
    </AzureAssetDataConnector>
  </data>
  <count>1</count>
  <responseCode>SUCCESS</responseCode>
</ServiceResponse>
```

Sample 2 - Update Azure connector details

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/azureassetdatac
onnector/12345"
--header 'Accept: application/json'
```

Request POST Data (JSON)

```
{
  "ServiceRequest": {
    "data": {
      "AzureAssetDataConnector": {
        "id": 2004,
        "name": "Azure Connector",
        "description": "Updated Description Via API New1",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 123488470
            }
          }
        },
        "activation": {
```

```
          "set": {
            "ActivationModule": "VM"
          }
        },
        "authRecord": {
          "applicationId": "f076c321-694d-4929-ae0b-d2bd14d1a4d7",
          "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb",
          "subscriptionId": "9de9e0a7-4f67-4812-917d-2246853844e1",
          "authenticationKey":
"02LCb8/RCn0lbGj6xcOGQPZlYG2z85aSmCxnoH01rog="
        },
        "disabled": false,
        "runFrequency": 300,
        "isRemediationEnabled": true,
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": {
              "set": {
                "ConnectorAppInfo": {
                  "name": "AI",
                  "identifier": "9de9e0a7-4f67-4812-917d-
2246853844e1",
                  "tagId": 123489465
                }
              }
            },
            "ConnectorAppInfoQList": {
              "set": {
                "ConnectorAppInfo": {
                  "name": "CI",
                  "identifier": "9de9e0a7-4f67-4812-917d-
2246853844e1",
                  "tagId": 123489465
                }
              }
            },
            "ConnectorAppInfoQList": {
              "set": {
                "ConnectorAppInfo": {
                  "name": "CSA",
                  "identifier": "9de9e0a7-4f67-4812-917d-
2246853844e1",
                  "tagId": 123489465
                }
              }
            }
          }
        }
```

```
      }
    }
  }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AzureAssetDataConnector": {
                    "id": 842602
                }
            }
        ],
        "count": 1,
        "responseCode": "SUCCESS"
    }
}
```

Sample 3 - Update Azure connector to enable Cloud Perimeter Scan

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/azureassetdatac
onnector/12345"
--header 'Accept: application/json'
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
   ...
      <isCPSEnabled>true</isCPSEnabled>
       <connectorScanSetting>
                 <isCustomScanConfigEnabled>true</isCustomScanConfig
Enabled>
     </connectorScanSetting>
     <connectorScanConfig>
     <set>
       <ConnectorScanConfiguration>
          <daysOfWeek>
          <set>
             <Day>SUN</Day>
```

```
            <Day>MON</Day>
            <Day>TUE</Day>
          </set>
          </daysOfWeek>
          <optionProfileId>2</optionProfileId>
          <recurrence>WEEKLY</recurrence>
          <scanPrefix>update azure 01</scanPrefix>
          <startDate>31/05/2022</startDate>
          <startTime>15:45</startTime>
          <timezone>Africa/Cairo</timezone>
     </ConnectorScanConfiguration>
        </set>
        </connectorScanConfig>
...
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/aws_asset_data-connector.xsd">
  <responseCode>SUCCESS</responseCode>
...
  <isCPSEnabled>true</isCPSEnabled>
    <connectorScanSetting>
          <isCustomScanConfigEnabled>true</isCustomScanConfigEnabled
>
    </connectorScanSetting>
    <connectorScanConfig>
          <set>
            <ConnectorScanConfiguration>
               <daysOfWeek>
                    <set>
                       <Day>SUN</Day>
                       <Day>MON</Day>
                       <Day>TUE</Day>
                    </set>
               </daysOfWeek>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <scanPrefix>updated- AWS scan prefix</scanPrefix>
               <startDate>31/05/2022</startDate>
               <startTime>15:45</startTime>
               <timezone>Africa/Cairo</timezone>
          </ConnectorScanConfiguration>
        </set>
```

```
     </connectorScanConfig>
...
  </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/3.0/am/azure_asset_data_connector.xsd

Delete Azure Connector 3.0

/qps/rest/3.0/delete/am/azureassetdataconnector

/qps/rest/3.0/delete/am/azureassetdataconnector/<id>

[POST]

Delete one or more Azure connectors.

Using the NOT EQUALS operator for deleting Azure connectors could result in accidental deletion of Azure connectors without any warning. To prevent accidental deletion of unknown Azure connectors, we do not support NOT EQUALS operator for delete actions.

Permissions required - Managers with full scope.

Sample 1 - Delete Azure connector

API request

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/azureassetdatac
onnector/289201"
```

Response

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
  <data>
    <AzureAssetDataConnector>
      <id>842602</id>
    </AzureAssetDataConnector>
  </data>
  <count>1</count>
  <responseCode>SUCCESS</responseCode>
</ServiceResponse>
```

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/azureassetdatac
onnector/289201"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
    "ServiceResponse": {
        "data": [
            {
                "AzureAssetDataConnector": {
                    "id": 842602
                }
            }
        ],
        "count": 1,
        "responseCode": "SUCCESS"
    }
}
```

XSD

<platform API server>/qps/xsd/3.0/am/azure_asset_data_connector.xsd

Run Azure Connector 3.0

/qps/rest/3.0/run/am/azureassetdataconnector

/qps/rest/3.0/run/am/azureassetdataconnector/<id>

[POST]

It deprecate the API endpoint to run one or more Azure connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

API request(XML)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/azureassetdataconn
ector/<id>"
```

Response(XML)

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse>
<responseCode>SUCCESS</responseCode>
<count>1</count>
<data>
<AzureAssetDataConnector>
<nextSync>2022-06-30T18:51:02Z</nextSync>
<connectorAppInfos>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>CI</name>
<identifier>f076c321-694d-4929-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
<list>
<ConnectorAppInfoQList>
<list>
```

```
<ConnectorAppInfo>
<name>CSA</name>
<identifier>f076c321-694d-4929-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>AI</name>
<identifier>f076c321-694d-4929-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<disabled>false</disabled>
<id>842602</id>
<connectorState>FINISHED_SUCCESS</connectorState>
<name>Azure Connector Via API Updated12</name>
<isRemediationEnabled>true</isRemediationEnabled>
<lastSync>2022-06-30T15:06:02Z</lastSync>
<runFrequency>240</runFrequency>
<authRecord>
<authenticationKey>02LCb8/RCn0lbGj6xcOGQPZlYG2z85aSmCxnoH01rog=</aut
henticationKey>
<applicationId>f076c321-694d-4929-ae0b-d2bd14d1a4d7</applicationId>
<directoryId>ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb</directoryId>
<subscriptionId>9de9e0a7-4f67-4812-917d-
2246853844e1</subscriptionId>
</authRecord>
<cloudviewUuid>2ad0a7a1-f881-330c-b5d7-c5c1faddfa39</cloudviewUuid>
<isDeleted>false</isDeleted>
<isGovCloudConfigured>false</isGovCloudConfigured>
<type>AZURE</type>
<activation>
<ActivationModule>CLOUDVIEW</ActivationModule>
</activation>
<subscriptionName>cvtest</subscriptionName>
<description>Sample Azure Connector API Updated</description>
</AzureAssetDataConnector>
</data>
</ServiceResponse>
```

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/azureassetdataconn
ector/<id>"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
    {
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "AzureAssetDataConnector": {
                    "nextSync": "2022-06-30T18:51:02Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
```

```
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "AI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "disabled": "false",
                    "id": 842602,
                    "connectorState": "FINISHED_SUCCESS",
                    "name": "Azure Connector Via API Updated12",
                    "isRemediationEnabled": "true",
                    "lastSync": "2022-06-30T15:06:02Z",
                    "runFrequency": 240,
                    "authRecord": {
                        "authenticationKey":
"02LCb8/RCn0lbGj6xxxxxxxxnoH01rog=",
                        "applicationId": "xxxxxxxxx-694d-xxxx-ae0b-
d2bd14d1a4d7",
                        "directoryId": "xxxxxxxxx-65ab-xxxx-9e5b-
1ea02d3d94eb",
                        "subscriptionId": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1"
                    },
                    "cloudviewUuid": "xxxxxxxxx-f881-xxxx-b5d7-
c5c1faddfa39",
                    "isDeleted": "false",
                    "isGovCloudConfigured": "false",
                    "type": "AZURE",
                    "activation": {
                        "ActivationModule": [
                            "CLOUDVIEW"
                        ]
                    },
                    "subscriptionName": "cvtest",
                    "description": "Sample Azure Connector API
Updated"
                }
            }
        ]
    }
}
```

```
}
```

Search Azure Connector 3.0

/qps/rest/3.0/search/am/azureassetdataconnector

Returns a list of Azure connectors that match the provided criteria.

Limit your results -Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this specify a "preferences" tag in the POST body of your request.

Input Parameters

Parameters	Description
id	The ID of the connector that you want to search.
name	Name is the name for the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector
connectorState	State of the connector. States include PENDING, SUCCESS, ERROR, QUEUED, RUNNING, PROCESSING, FINISHED_SUCCESS, FINISHED_ERRORS, DISABLED, INCOMPLETE.
Type	Type of connector- Azure
authrecord.applicationId	Unique identifier of the application you create on Azure portal.

authrecord.directoryId	Unique identifier of your Azure Active Directory.
activation	Activation of Qualys modules. Includes VM, PC, SCA, CERTVIEW
authrecord.subscriptionId	Unique identifier of your Microsoft Azure subscription.
appCapability.name	Connector application capability name
appCapability.tag.name	Tag name associates with Connector identifier.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
defaultTags.name	The name of a tag in the defaultTags collection.
defaultTag	(Integer) The ID of a tag in the defaultTags collection.
lastError	Last error date of the connector.

Sample: Search Azure connector name

API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/azureassetdatac
onnector"
```

Request POST data (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>
<root>
<ServiceRequest>
<filters>
<Criteria>
<field>id</field>
<operator>EQUALS</operator>
<value>xxxxx</value>
</Criteria>
<Criteria>
<field>name</field>
<operator>EQUALS</operator>
<value>Azure Connector Via API</value>
</Criteria>
<Criteria>
<field>description</field>
<operator>EQUALS</operator>
<value>Sample Azure Connector API</value>
</Criteria>
<Criteria>
<field>connectorState</field>
<operator>EQUALS</operator>
<value>FINISHED_SUCCESS</value>
</Criteria>
<Criteria>
<field>lastSync</field>
<operator>EQUALS</operator>
<value>2022-05-27T13:48:17Z</value>
</Criteria>
<Criteria>
<field>type</field>
<operator>EQUALS</operator>
<value>AZURE</value>
</Criteria>
<Criteria>
<field>activation</field>
<operator>EQUALS</operator>
<value>PC</value>
</Criteria>
<Criteria>
<field>authRecord.applicationId</field>
<operator>EQUALS</operator>
<value>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</value>
</Criteria>
<Criteria>
<field>authRecord.directoryId</field>
<operator>EQUALS</operator>
<value>xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb</value>
```

```
</Criteria>
<Criteria>
<field>authRecord.subscriptionId</field>
<operator>EQUALS</operator>
<value>xxxxxxxxx-4f67-xxxx-917d-2246853844e1</value>
</Criteria>
<Criteria>
<field>appCapability.name</field>
<operator>EQUALS</operator>
<value>CSA</value>
</Criteria>
<Criteria>
<field>appCapability.tag.name</field>
<operator>EQUALS</operator>
<value>QATag</value>
</Criteria>
<Criteria>
<field>disabled</field>
<operator>EQUALS</operator>
<value>false</value>
</Criteria>
<Criteria>
<field>defaultTags.name</field>
<operator>EQUALS</operator>
<value>QATag</value>
</Criteria>
<Criteria>
<field>defaultTags</field>
<operator>EQUALS</operator>
<value>123442387</value>
</Criteria>
<Criteria>
<field>lastError</field>
<operator>EQUALS</operator>
<value>2022-04-28T19:05:04Z</value>
</Criteria>
</filters>
</ServiceRequest>
</root>
```

Response (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
<responseCode>SUCCESS</responseCode>
<count>1</count>
<data>
```

```
<AzureAssetDataConnector>
<nextSync>2022-06-30T18:51:02Z</nextSync>
<connectorAppInfos>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>CI</name>
<identifier>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>CSA</name>
<identifier>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>AI</name>
<identifier>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</identifier>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<disabled>false</disabled>
<id>842602</id>
<connectorState>QUEUED</connectorState>
<name>Azure Connector Via API Updated12</name>
<isRemediationEnabled>true</isRemediationEnabled>
<lastSync>2022-06-30T14:51:14Z</lastSync>
<runFrequency>240</runFrequency>
<authRecord>
<authenticationKey>02LCb8/RCn0xxxxxxx85aSmCxnoH01rog=</authenticatio
nKey>
<applicationId>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</applicationId>
<directoryId>xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb</directoryId>
<subscriptionId>9de9e0a7-4f67-4812-917d-
2246853844e1</subscriptionId>
```

```
</authRecord>
<cloudviewUuid>xxxxxxxxx-f881-xxxx-b5d7-c5c1faddfa39</cloudviewUuid>
<isDeleted>false</isDeleted>
<isGovCloudConfigured>false</isGovCloudConfigured>
<type>AZURE</type>
<activation>
<ActivationModule>CLOUDVIEW</ActivationModule>
</activation>
<subscriptionName>cvtest</subscriptionName>
<description>Sample Azure Connector API Updated</description>
</AzureAssetDataConnector>
</data>
<hasMoreRecords>false</hasMoreRecords>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/azureassetdatac
onnector"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST Data (JSON)

```
{
    "ServiceRequest": {
        "filters": {
            "Criteria": [
                {  "field" : "id","operator" : "EQUALS","value" :
"842602"},
                {  "field" : "name","operator" : "EQUALS","value" :
"Azure Connector Via API"},
                {  "field" : "description","operator" :
"EQUALS","value" : "Sample Azure Connector API" },
                {   "field" : "connectorState","operator" :
"EQUALS","value" : "FINISHED_SUCCESS" },
                {  "field" : "lastSync",  "operator" : "EQUALS",
"value" : "2022-05-27T13:48:17Z"  },
                {  "field" : "type",  "operator" : "EQUALS", "value"
: "AZURE" },
                {  "field" : "activation",  "operator" : "EQUALS",
 "value" : "PC" },
                {  "field" : "authRecord.applicationId",  "operator"
: "EQUALS",  "value" : "xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7" },
                {  "field" : "authRecord.directoryId",  "operator" :
"EQUALS",  "value" : "xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb" },
```

```
                {  "field" : "authRecord.subscriptionId",
 "operator" : "EQUALS",  "value" : "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1" },
                {   "field" : "appCapability.name","operator" :
"EQUALS","value" : "CSA" },
                {   "field" : "appCapability.tag.name","operator" :
"EQUALS","value" : "QATag" },
                {   "field" : "disabled","operator" :
"EQUALS","value" : "false" },
                {   "field" : "defaultTags.name","operator" :
"EQUALS","value" : "QATag" },
                {   "field" : "defaultTags","operator" :
"EQUALS","value" : "123442387" },
                {   "field" : "lastError","operator" :
"EQUALS","value" : "2022-04-28T19:05:04Z" }
            ]
        }
    }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "AzureAssetDataConnector": {
                    "nextSync": "2022-06-30T18:51:02Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
```

```
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "AI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "disabled": "false",
                    "id": 842602,
                    "connectorState": "QUEUED",
                    "name": "Azure Connector Via API Updated12",
                    "isRemediationEnabled": "true",
                    "lastSync": "2022-06-30T14:51:14Z",
                    "runFrequency": 240,
                    "authRecord": {
                        "authenticationKey":
"02LCb8/RCn0lbGxxxxxxG2z85aSmCxnoH01rog=",
                        "applicationId": "xxxxxxxxx-694d-xxxx-ae0b-
d2bd14d1a4d7",
                        "directoryId": "xxxxxxxxx-65ab-xxxx-9e5b-
1ea02d3d94eb",
                        "subscriptionId": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1"
                    },
                    "cloudviewUuid": "xxxxxxxxx-f881-xxxx-b5d7-
c5c1faddfa39",
                    "isDeleted": "false",
                    "isGovCloudConfigured": "false",
                    "type": "AZURE",
```

```
                    "activation": {
                        "ActivationModule": [
                            "CLOUDVIEW"
                        ]
                    },
                    "subscriptionName": "cvtest",
                    "description": "Sample Azure Connector API
Updated"
                }
            }
        ],
        "hasMoreRecords": "false"
    }
}
```

Get Azure Connector Info 3.0

/qps/rest/3.0/get/am/azureassetdataconnector/<id>

View details for a connector which is in the user's scope. Specify the connector ID and fetch the details of the connector.

Permissions required - Managers with full scope.

Sample: List (view) specific Azure Connector Id 166007

API request(JSON)

```
curl -u "USERNAME:PASSWORD"-X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/azureassetdatac
onnector"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "AzureAssetDataConnector": {
                    "nextSync": "2022-06-30T20:03:28Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
```

```
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "AI",
                                                "identifier":
"xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "disabled": "false",
                    "id": 842602,
                    "connectorState": "FINISHED_SUCCESS",
                    "name": "Azure Connector Via API Updated12",
                    "isRemediationEnabled": "true",
                    "lastSync": "2022-06-30T16:05:02Z",
                    "runFrequency": 240,
                    "authRecord": {
                        "authenticationKey":
"02LCb8/RCn0lbGj6xxxxxxxx5aSmCxnoH01rog=",
                        "applicationId": "xxxxxxxxx-694d-xxxx-ae0b-
d2bd14d1a4d7",
                        "directoryId": "xxxxxxxxx-65ab-xxxx-9e5b-
1ea02d3d94eb",
                        "subscriptionId": "xxxxxxxxx-4f67-xxxx-917d-
2246853844e1"
                    },
                    "cloudviewUuid": "xxxxxxxxx-f881-xxxx-b5d7-
c5c1faddfa39",
                    "isDeleted": "false",
                    "isGovCloudConfigured": "false",
                    "type": "AZURE",
                    "activation": {
```

```
                        "ActivationModule": [
                            "CLOUDVIEW"
                        ]
                    },
                    "subscriptionName": "cvtest",
                    "description": "Sample Azure Connector API
Updated"
                }
            }
        ]
    }
}
```

GCP Connectors 3.0

GCP Connectors 3.0

We support the following operations for all GCP connectors in the Connectors application.

Create GCP Connector 3.0

Update GCP Connector 3.0

Run GCP Connector 3.0

Search GCP Connector 3.0

Delete GCP Connector 3.0

Get GCP Connector Info 3.0

Get All Errors of GCP Connector 3.0

Create GCP Connector 3.0

/qps/rest/3.0/create/am/gcpassetdataconnector

[POST]

Specify the connector details such as name, description, polling frequency, project ID and upload the configuration (JSON) file and create a new connector in the Connectors application.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
id	The ID of the connector that you want to create.
name	Name ofthe connector you want to create.
description	Description of the connector you want to create.
type	Type of connector - GCP.
authRecord	(GCPAuthRecordSimple) The GCP authentication record the connector uses to connect to GCP. When writing/updating it is looked up by the ID field.
allRegions	(boolean) If true, the end point's collection is ignored an all GCP regions scanned.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified

	in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos.set. ConnectorAppInfoQList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
set.ConnectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment.

Sample: Create a new GCP connector

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/gcpassetdatacon
nector"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
        <GcpAssetDataConnector>
            <disabled>false</disabled>
            <connectorAppInfos>
                <set>
                    <ConnectorAppInfoQList>
                        <set>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>my-project-
151366xxxx9</identifier>
```

```
                                <tagId>123489465</tagId>
                            </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <set>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>my-project-
151366xxxx9</identifier>
                                <tagId>123489465</tagId>
                            </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                </set>
            </connectorAppInfos>
            <runFrequency>240</runFrequency>
            <isDeleted>false</isDeleted>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <isRemediationEnabled>true</isRemediationEnabled>
            <name>Test GCP connector</name>
            <authRecord>
                <projectId>my-project-1513669048551</projectId>
                <auth_provider_x509_cert_url>https://www.googleapis.
com/oauth2/v1/certs</auth_provider_x509_cert_url>
                <auth_uri>https://accounts.google.com/o/oauth2/auth<
/auth_uri>
                <client_email>crm-70975@my-project-
1513669048551.iam.gserviceaccount.com</client_email>
                <client_id>105994049705415737317</client_id>
                <client_x509_cert_url>https://www.googleapis.com/rob
ot/v1/metadata/x509/crm-70975%40my-project-
1513669048551.iam.gserviceaccount.com</client_x509_cert_url>
                <private_key>-----BEGIN PRIVATE KEY-----
MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC64ocFtknagk8N
4iQd9lhhHXGo8JLVgqSruO8ebxa002+ps8PPukPuAS9IazPrNjdyndVezOClANJu
xj3NhAOQ5xHTANFQH33CXcrxhoNKvdQLIxg0wH8HS94wCOvvDU7wKuOdkfSdLE6Z
a3FM7v2J5iZgC2QgF/stwl13pLszLsOyOuJlMiiV4nYBUMbQrZr8sJvbSBoiEXVt
enk4Dm2a6khRdRFsa9d9g3Z0t2GyXT3ln8KEAdn8plUu1C6WIHg9HJtYi3ib/4bn
2tahZ/T5C6BQk+3BTbRAoGBALMpb9z3MsEckgNJAF3P
y0pko3GuZx4nq3f20oADxsYfwRjJ5ZfchKbW/rE0IcK0enw3sEHlcFFHgcvMSnr4
Hl0zCZ6uq9rEytwXtM3JKf3ywIH6AzAdkw4s/AVQmk3ejSJkRzxly8FRPNeJjSzm
5WqpzucZNtGdP2UoMMGIv/iq
-----END PRIVATE KEY-----
</private_key>
                <private_key_id>9f5cd117dd7bcaad4</private_key_id>
                <token_uri>https://oauth2.googleapis.com/token</toke
n_uri>
```

```
                <type>service_account</type>
            </authRecord>
        </GcpAssetDataConnector>
    </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <GcpAssetDataConnector>
            <nextSync>2022-06-30T16:38:21Z</nextSync>
            <connectorAppInfos>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>my-project-
151366xxxx1</identifier>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>my-project-
151366xxxx1</identifier>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
            </connectorAppInfos>
            <disabled>false</disabled>
            <id>842873</id>
            <connectorState>FINISHED_SUCCESS</connectorState>
            <name>sign</name>
            <isRemediationEnabled>true</isRemediationEnabled>
            <authRecord>
                <projectId>my-project-151366xxxx1</projectId>
```

```
            </authRecord>
            <lastSync>2022-06-30T13:21:57Z</lastSync>
            <runFrequency>240</runFrequency>
            <cloudviewUuid>xxxxxxxxx-2007-xxxx-adab-
9db19bd5fdb9</cloudviewUuid>
            <isDeleted>false</isDeleted>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <description>testing</description>
        </GcpAssetDataConnector>
    </data>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD"-X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/gcpassetdatacon
nector"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST Data (JSON)

```
{
    "ServiceRequest": {
        "data": {
            "GcpAssetDataConnector": {
                "disabled": "false",
                "connectorAppInfos": {
                    "set": {
                        "ConnectorAppInfoQList": [
                            {
                                "set": {
                                    "ConnectorAppInfo": [
                                        {
                                            "name": "CSA",
                                            "identifier": "my-
project-151366xxxx9",
                                            "tagId": 123489465
                                        }
                                    ]
                                }
                            },
                            {
                                "set": {
                                    "ConnectorAppInfo": [
                                        {
```

```
                                            "name": "CI",
                                            "identifier": "my-
project-151366xxxx9",
                                            "tagId": 123489465
                                        }
                                    ]
                                }
                            }
                        ]
                    }
                },
                "runFrequency": 240,
                "isDeleted": "false",
                "isGovCloudConfigured": "false",
                "isRemediationEnabled": "true",
                "name": "Test GCP connector",
                "authRecord": {
                    "projectId": "my-project-1513669048551",
                    "auth_provider_x509_cert_url":
"https://www.googleapis.com/oauth2/v1/certs",
                    "auth_uri":
"https://accounts.google.com/o/oauth2/auth",
                    "client_email": "crm-70975@my-project-
1513669048551.iam.gserviceaccount.com",
                    "client_id": "105994049705415737317",
                    "client_x509_cert_url":
"https://www.googleapis.com/robot/v1/metadata/x509/crm-70975%40my-
project-1513669048551.iam.gserviceaccount.com",
                    "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIEvgIBADANBgkqhkiG9w0BAQEFAASCBKgwggSkAgEAAoIBAQC64ocFtknagk8NU7
stwl13pLszLsOyOuJlMiiV4
nYBUMbQrZr8sJvbSBoiEXVt\nenk4Dm2a6khRdRFsa9d9g3Z0t2GyXT3ln8KEAdn8plU
u1C6WIHg9HJtYi3ib/4bn\n
2tahZ/T5C6BQk+3B38xsnsAJ0TfZFE+xW8mLVMCJRGkPf4sMMP/h9oZbjFdZvf4K\nGE
953kjFAgMBAAECggEAHEY19eYGpe
3FnpzaaIMTCgNHjo8Xm7KtHoBdWDh\nrDruYtPLXBQMrJPPYTfBG8fKG3bJKAeJFvfbr
AalvqBasMa24Scvm8AWl+bDeztm\nJjIEFokpUJwAb3ufb6aZRl4v
yQKBgQDZC72Ddcs9AZ+0v/CYWB27Qm06bQ8m/p6D3lnKSlyBV5AoGBAMHf\nhszib0Rz
KuEdjE3MIKoMstWxFLACV42pccpyBaLMHawLpNQJVdNQUo+EJZIFPhwF\nbTVIvThGy7
+Wmnu608SN6hyDG+tX9V6DgrwBkQWbVZGf9wv6dKbth9dvnIdlACDv
\nm94RPIQteQmamx2T90t+djTTNKNpHdHLwOKYNTbRAoGBALMpb9z3MsEckgNJAF3P\n
y0pko3GuZx4nq3f20oADxsYfwRjJ5ZfchKbW/rE0IcK0enw3sEHlcFFHgcvMSnr4\nHl
0zCZ6uq9rEytwXtM3JKf3ywIH6AzAdkw4s/AVQmk3ejSJkRzxly8FRPNeJjSzm\n5Wqp
zucZNtGdP2UoMMGIv/iq\n-----END PRIVATE KEY-----\n",
                    "private_key_id":
"9f0f1f305cd1124c8c75f9a900695e7dd7bcaad4",
                    "token_uri":
"https://oauth2.googleapis.com/token",
```

```
                    "type": "service_account"
                }
            }
        }
    }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "GcpAssetDataConnector": {
                    "nextSync": "2022-06-30T16:38:21Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier": "my-
project-151366xxxx1"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier": "my-
project-151366xxxx1"
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
```

```
                    "disabled": "false",
                    "id": 842873,
                    "connectorState": "FINISHED_SUCCESS",
                    "name": "sign",
                    "isRemediationEnabled": "true",
                    "authRecord": {
                        "projectId": "my-project-151366xxxx1"
                    },
                    "lastSync": "2022-06-30T13:21:57Z",
                    "runFrequency": 240,
                    "cloudviewUuid": "xxxxxx-2007-xxxx-adab-
9db19bd5fdb9",
                    "isDeleted": "false",
                    "isGovCloudConfigured": "false",
                    "description": "testing"
                }
            }
        ]
    }
}
```

Update GCP Connector 3.0

/qps/rest/3.0/update/am/gcpassetdataconnector

/qps/rest/3.0/update/am/gcpassetdataconnector/<id>

[POST]

Specify the connector ID and the details to be updated to update details of the specified connector.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
authRecord	(AzureAuthRecordSimple) The GCP authentication record the connector uses to connect to GCP. When writing/updating it is looked up by the ID field.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps

	from list [AI, CI, CSA]. AI-Asset Inventory, CI-Cloud Inventory, CSA- Cloud Security Assessment

Sample: Update GCP connector name

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/gcpassetdatacon
nector/178202"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
        <GcpAssetDataConnector>
            <name>Test GCP connector API UPDATED</name>
            <description>Updated Description By API
UPDATED</description>
            <disabled>false</disabled>
            <runFrequency>500</runFrequency>
            <isRemediationEnabled>false</isRemediationEnabled>
            <authRecord>
                <projectId>my-project-xxxxxxxxxx</projectId>
            </authRecord>
            <connectorAppInfos>
                <set>
                    <ConnectorAppInfoQList>
                        <set>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>my-project-
xxxxxxxxx</identifier>
                                <tagId>121212</tagId>
                            </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQList>
                    <ConnectorAppInfoQList>
                        <set>
                            <ConnectorAppInfo>
                                <name>CSA</name>
```

```
                                    <identifier>my-project-
xxxxxxxxx</identifier>
                                    <tagId>121212</tagId>
                                </ConnectorAppInfo>
                            </set>
                        </ConnectorAppInfoQList>
                    </set>
                </connectorAppInfos>
            </GcpAssetDataConnector>
        </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
    <data>
        <GcpAssetDataConnector>
            <id>842873</id>
        </GcpAssetDataConnector>
    </data>
    <count>1</count>
    <responseCode>SUCCESS</responseCode>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/gcpassetdatacon
nector/178202"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST Data (JSON)

```
{
"ServiceRequest": {
"data": {
"GcpAssetDataConnector": {
"name": "Test GCP connector API UPDATED",
"description": "Updated Description By API UPDATED",
                "disabled": false,
                "runFrequency": 500,
                "isRemediationEnabled": false,
```

```
                "authRecord": {
                    "projectId": "my-project-xxxxxxxxx"
                },
                "connectorAppInfos": {
                    "set": {
                        "ConnectorAppInfoQList": [

                            {
                                "set": {
                                "ConnectorAppInfo": {
                                    "name": "CI",
                                    "identifier": "my-project-
xxxxxxxxx",
                                    "tagId": 121212
                                }
                                }
                            },
                            {
                                "set": {
                                "ConnectorAppInfo": {
                                    "name": "CSA",
                                    "identifier": "my-project-
xxxxxxxxx",
                                    "tagId": 121212
                                }
                                }
                            }
                        ]
                    }
                }
}
}
}
}
```

Response (JSON)

```
{
  "ServiceResponse": {
    "data": [
      {
        "GcpAssetDataConnector": {
          "id": 842873
        }
      }
    ],
    "count": 1,
```

```
    "responseCode": "SUCCESS"
  }
}
```

Delete GCP Connector 3.0

/qps/rest/3.0/delete/am/gcpassetdataconnector

/qps/rest/3.0/delete/am/gcpassetdataconnector/<id>

We will now deprecate the API endpoint to delete one or more GCP connectors from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope

Sample: Delete a GCP connector

API request

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/gcpassetdatacon
nector/289201"
```

Response (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <GcpAssetDataConnector>
      <id>289201</id>
    </GcpAssetDataConnector>
  </data>
</ServiceResponse>
```

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/gcpassetdatacon
nector/289201"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
```

```
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 1,
    "data": [
      {
        "GcpAssetDataConnector": {
          "id": 289201
        }
      }
    ]
  }
}
```

Run GCP Connector 3.0

/qps/rest/3.0/run/am/gcpassetdataconnector

/qps/rest/3.0/run/am/gcpassetdataconnector/<id>

[POST]

We will now deprecate the API endpoint to run one or more GCP connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/gcpassetdataconnec
tor/<id>"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "GcpAssetDataConnector": {
                    "nextSync": "2022-06-30T16:38:21Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier": "my-
project-xxxxxxxxx"
```

```
                                        }
                                    }
                                ]
                            }
                        },
                        {
                            "ConnectorAppInfoQList": {
                                "list": [
                                    {
                                        "ConnectorAppInfo": {
                                            "name": "CI",
                                            "identifier": "my-
project-xxxxxxxxx"
                                        }
                                    }
                                ]
                            }
                        }
                    ]
                },
                "disabled": "false",
                "id": 842873,
                "connectorState": "FINISHED_SUCCESS",
                "name": "Test GCP connector API UPDATED",
                "isRemediationEnabled": "true",
                "authRecord": {
                    "projectId": "my-project-xxxxxxxxx"
                },
                "lastSync": "2022-06-30T16:11:28Z",
                "runFrequency": 240,
                "cloudviewUuid": "xxxxxxxxx-2007-xxxx-adab-
9db19bd5fdb9",
                "isDeleted": "false",
                "isGovCloudConfigured": "false",
                "description": "testing"
            }
        }
    ]
}
```

Search GCP Connector 3.0

/qps/rest/3.0/search/am/gcpassetdataconnector

We will now deprecate the API endpoint to return a list of GCP connectors that match the provided criteria from the CloudView application and introduce an alternative in the Asset Management application.

Limit your results- Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this

specify a "preferences" tag in the POST body of your request.

input Parameters

Parameters	Description
id	The ID of the connector that you want to search.
name	Name is the name for the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector.
Type	Type of connector - GCP.
authRecord.projectId (Text)	Unique identifier of project in Google cloud.

Sample: Search GCP Connector by project ID

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/gcpassetdatacon
nector/1xxxxx"
```

Request POST data (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria>
            <field>id</field>
            <operator>EQUALS</operator>
            <value>xxxxx</value>
        </Criteria>
        <Criteria>
            <field>name</field>
            <operator>EQUALS</operator>
            <value>GCP connector API Updated</value>
        </Criteria>
        <Criteria>
            <field>description</field>
            <operator>EQUALS</operator>
            <value>Connector Created from API</value>
        </Criteria>
        <Criteria>
            <field>lastSync</field>
            <operator>EQUALS</operator>
            <value>2022-05-09T16:21:57Z</value>
        </Criteria>
        <Criteria>
            <field>type</field>
            <operator>EQUALS</operator>
            <value>GCP</value>
        </Criteria>
        <Criteria>
            <field>authRecord.projectId</field>
            <operator>EQUALS</operator>
            <value>my-project-xxxxxxxxx</value>
        </Criteria>
        <Criteria>
            <field>connectorState</field>
            <operator>EQUALS</operator>
            <value>FINISHED_SUCCESS</value>
        </Criteria>
        <Criteria>
```

```
            <field>appCapability.name</field>
            <operator>EQUALS</operator>
            <value>CSA</value>
        </Criteria>
        <Criteria>
            <field>appCapability.tag.name</field>
            <operator>EQUALS</operator>
            <value>QATag</value>
        </Criteria>
        <Criteria>
            <field>disabled</field>
            <operator>EQUALS</operator>
            <value>false</value>
        </Criteria>
    </filters>
</ServiceRequest>
```

Response (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceResponse>
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <GcpAssetDataConnector>
            <nextSync>2022-06-30T16:38:21Z</nextSync>
            <connectorAppInfos>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>my-project-
1513669048551</identifier>
                            </ConnectorAppInfo>
                        </list>
                    </ConnectorAppInfoQList>
                </list>
                <list>
                    <ConnectorAppInfoQList>
                        <list>
                            <ConnectorAppInfo>
                                <name>CI</name>
                                <identifier>my-project-
1513669048551</identifier>
                            </ConnectorAppInfo>
                        </list>
```

```
                    </ConnectorAppInfoQList>
                </list>
            </connectorAppInfos>
            <disabled>false</disabled>
            <id>842873</id>
            <connectorState>FINISHED_SUCCESS</connectorState>
            <name>Test GCP connector API UPDATED</name>
            <isRemediationEnabled>true</isRemediationEnabled>
            <authRecord>
                <projectId>my-project-1513669048551</projectId>
            </authRecord>
            <lastSync>2022-06-30T16:11:28Z</lastSync>
            <runFrequency>240</runFrequency>
            <cloudviewUuid>a8014b65-2007-3ad0-adab-
9db19bd5fdb9</cloudviewUuid>
            <isDeleted>false</isDeleted>
            <isGovCloudConfigured>false</isGovCloudConfigured>
            <description>testing</description>
        </GcpAssetDataConnector>
    </data>
    <hasMoreRecords>false</hasMoreRecords>
</ServiceResponse>
```

API Request (JSON)

```
curl -u "USERNAME:PASSWORD" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/gcpassetdatacon
nector/1xxxxx"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST Data (JSON)

```
{
    "ServiceRequest": {
        "filters": {
            "Criteria": [
                {  "field" : "id","operator" : "EQUALS","value" :
"842873"},
                {  "field" : "name","operator" : "EQUALS","value" :
"GCP connector API Updated"},
                {  "field" : "description","operator" :
"EQUALS","value" : "Connector Created from API" },
                {  "field" : "lastSync",  "operator" : "EQUALS",
"value" : "2022-05-09T16:21:57Z"},
                {  "field" : "type",  "operator" : "EQUALS", "value"
: "GCP" },
```

```
                {  "field" : "authRecord.projectId",  "operator" :
"EQUALS",  "value" : "my-project-1513669048551" },
                {   "field" : "connectorState","operator" :
"EQUALS","value" : "FINISHED_SUCCESS" },
                {   "field" : "appCapability.name","operator" :
"EQUALS","value" : "CSA" },
                {   "field" : "appCapability.tag.name","operator" :
"EQUALS","value" : "QATag" },
                 {   "field" : "disabled","operator" :
"EQUALS","value" : "false" }
            ]
        }
    }
}
```

Response (JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "GcpAssetDataConnector": {
                    "nextSync": "2022-06-30T16:38:21Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier": "my-
project-1513669048551"
                                            }
                                        }
                                    ]
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier": "my-
project-1513669048551"
```

```
                                        }
                                    }
                                ]
                            }
                        }
                    ]
                },
                "disabled": "false",
                "id": 842873,
                "connectorState": "FINISHED_SUCCESS",
                "name": "Test GCP connector API UPDATED",
                "isRemediationEnabled": "true",
                "authRecord": {
                    "projectId": "my-project-1513669048551"
                },
                "lastSync": "2022-06-30T16:11:28Z",
                "runFrequency": 240,
                "cloudviewUuid": "a8014b65-2007-3ad0-adab-
9db19bd5fdb9",
                "isDeleted": "false",
                "isGovCloudConfigured": "false",
                "description": "testing"
            }
        }
    ],
    "hasMoreRecords": "false"
  }
}
```

Get GCP Connector Info 3.0

/qps/rest/3.0/get/am/gcpassetdataconnector/<id>

We will now deprecate the old CloudView API endpoint for 'Get GCP connector Info' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Get GCP Connector Info' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Sample: List specific GCP Connector Id 176001

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD" -X "POST"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/gcpassetdataconnec
tor/17601"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Response(JSON)

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": [
            {
                "GcpAssetDataConnector": {
                    "nextSync": "2022-06-30T16:38:21Z",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CSA",
                                                "identifier": "my-
project-xxxxxxxxx"
                                            }
                                        }
                                    ]
```

```
                                }
                            },
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [
                                        {
                                            "ConnectorAppInfo": {
                                                "name": "CI",
                                                "identifier": "my-
project-xxxxxxxxx"
                                            }
                                        }
                                    ]
                                }
                            }
                        ]
                    },
                    "disabled": "false",
                    "id": 842873,
                    "connectorState": "FINISHED_SUCCESS",
                    "name": "sign",
                    "isRemediationEnabled": "true",
                    "authRecord": {
                        "projectId": "my-project-xxxxxxxxx"
                    },
                    "lastSync": "2022-06-30T13:21:57Z",
                    "runFrequency": 240,
                    "cloudviewUuid": "xxxxxxxxx-2007-xxxx-adab-
9db19bd5fdb9",
                    "isDeleted": "false",
                    "isGovCloudConfigured": "false",
                    "description": "testing"
                }
            }
        ]
    }
}
```

Get All Errors of GCP Connector 3.0

/qps/rest/3.0/search/am/assetdataconnectorerrors

Get the list of errors encountered when executing a connector in the connector application

Permissions required - Managers with full scope.

Sample: Get all errors of connector

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H
"Accept:
application/json" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnec
torerrors"
```

Request POST data (XML)

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
<filters>
<Criteria field="id" operator="EQUALS">1xxxxxx</Criteria>
</filters>
</ServiceRequest>
```

Response (XML)

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/assetdataconnectorerrors.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>0</count>
</ServiceResponse>
```

API request(JSON)

```
curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H
"Accept:
application/json" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnec
torerrors"
--header 'Accept: application/json'
--header 'Content-Type: application/json'
```

Request POST data(JSON)

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "id",
          "operator": "EQUALS",
          "value": "1xxxxxxx"
        }
      ]
    }
  }
}
```

Response(JSON)

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 0
  }
}
```

Global Scan Configuration

Global Scan Configuration

Once you enable cloud perimeter scan for your connector, you need to provide scan configuration for the cloud perimeter scan. You can either choose to provide custom scan configuration or specify global scan configuration settings to be used.

You can use the new API to create global scan configuration to be used for the cloud perimeter scan. If the custom scan configuration is not specified for the cloud perimeter scan, then the global scan configuration is used.

Create Global Scan Configuration

Update Global Scan Configuration

Search Global Scan Configuration

Create Global Scan Configuration

/qps/rest/3.0/create/am/globalscanconfiguration

[POST]

Once you enable cloud perimeter scan for your connector, you need to provide scan configuration for the cloud perimeter scan. You can either choose to provide custom scan configuration or specify global scan configuration settings to be used.

You can create global scan configuration to be used for the cloud perimeter scan. If the custom scan configuration is not specified for the cloud perimeter scan, then the global scan configuration is used.

Permissions required - Managers with full scope.

Input Parameter

Parameters	Description
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT. Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is appended to the scan name. The scan name is in following

	format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.
startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Create Global Scan Configuration

API request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"
"https://qualysapi.qualys.com/r/qps/rest/3.0/create/am/globalscancon
figuration"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
   <data>
       <GlobalScanConfiguration>
             <scanPrefix>Global Scan</scanPrefix>
             <optionProfileId>2</optionProfileId>
             <recurrence>WEEKLY</recurrence>
             <startDate>06/22/2022</startDate>
             <startTime>12:45</startTime>
             <daysOfWeek>
                 <set>
                     <Day>SUN</Day>
                     <Day>TUE</Day>
                 </set>
             </daysOfWeek>
             <timezone>Africa/Cairo</timezone>
       </GlobalScanConfiguration>
   </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ServiceResponse
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/globalscanconfiguration.xsd">
     <responseCode>SUCCESS</responseCode>
     <count>1</count>
     <data>
          <GlobalScanConfiguration>
               <scanPrefix>Global Scan</scanPrefix>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <startDate>06/22/2022</startDate>
               <startTime>12:45</startTime>
               <daysOfWeek>
                    <list>
                         <Day>SUN</Day>
                         <Day>TUE</Day>
                    </list>
               </daysOfWeek>
               <timezone>Africa/Cairo</timezone>
          </GlobalScanConfiguration>
     </data>
</ServiceResponse>
```

Update Global Scan Configuration

/qps/rest/3.0/update/am/globalscanconfiguration

[POST]

Once you enable cloud perimeter scan for your connector, you need to provide scan configuration for the cloud perimeter scan. You can either choose to provide custom scan configuration or specify global scan configuration settings to be used.

You can create global scan configuration to be used for the cloud perimeter scan. If the custom scan configuration is not specified for the cloud perimeter scan, then the global scan configuration is used.

Permissions required - Managers with full scope.

Input Parameter

Parameters	Description
optionProfileId	Specify the Option Profile Id. This Id is unique for every user. You can fetch the option profile Id using the List VM Option Profile API (/api/2.0/fo/subscription/option_profile/vm/?action=list). For more information on the how to fetch the option profile Id, refer to Qualys API (VM, PC) User Guide.
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT. Note: This field is applicable only if the recurrence field is set to WEEKLY.
scanPrefix	Specify a prefix to be appended to the scan name. Once the cloud perimeter scan is triggered from the Vulnerability Management application, the prefix is appended to the scan name. The scan name is in following

	format: <prefix>-<connectorId>-<timestamp>
startDate	Specify the start date of scan in mm/dd/yyyy format.
startTime	Specify the start time of scan in HH:MM (24 hrs) format.
timezone	Specify the time zone for the cloud perimeter scan to be initiated.

Sample 1 - Update Global Scan Configuration

API request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"
"https://qualysapi.qualys.com/r/qps/rest/3.0/update/am/globalscancon
figuration"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
     <data>
          <GlobalScanConfiguration>
               <scanPrefix>update global scan</scanPrefix>
               <optionProfileId>2</optionProfileId>
               <recurrence>WEEKLY</recurrence>
               <startDate>06/22/2022</startDate>
               <startTime>12:45</startTime>
               <daysOfWeek>
                    <set>
                         <Day>SUN</Day>
                         <Day>TUE</Day>
                    </set>
               </daysOfWeek>
               <timezone>Africa/Cairo</timezone>
          </GlobalScanConfiguration>
     </data>
</ServiceRequest>
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/globalscanconfiguration.xsd">
  <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <GlobalScanConfiguration>
            <scanPrefix>update global scan</scanPrefix>
            <optionProfileId>2</optionProfileId>
            <recurrence>WEEKLY</recurrence>
            <startDate>06/22/2022</startDate>
            <startTime>12:45</startTime>
            <daysOfWeek>
                <list>
                    <Day>SUN</Day>
                    <Day>TUE</Day>
                </list>
            </daysOfWeek>
            <timezone>Africa/Cairo</timezone>
        </GlobalScanConfiguration>
  </data>
</ServiceRequest>
```

Search Global Scan Configuration

/qps/rest/3.0/search/am/globalscanconfiguration

[POST]

Use the API to search for the global scan configuration. You need not provide any input parameters.

Permissions required - Managers with full scope.

Sample 1 - Search Global Scan Configuration

API request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/globalscanconfi
guration"
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/
3.0/am/globalscanconfiguration.xsd">
  <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <GlobalScanConfiguration>
            <scanPrefix>Global Scan</scanPrefix>
            <optionProfileId>2</optionProfileId>
            <recurrence>WEEKLY</recurrence>
            <startDate>06/22/2022</startDate>
            <startTime>12:45</startTime>
            <daysOfWeek>
                <list>
                    <Day>SUN</Day>
                    <Day>TUE</Day>
                </list>
            </daysOfWeek>
            <timezone>Africa/Cairo</timezone>
        </GlobalScanConfiguration>
  </data>
</ServiceResponse>
```