



Connectors API

User Guide

November 07, 2023

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Get Started

Asset Management & Tagging API

Manage assets in your account that you want to scan for security and compliance, define asset tags and AWS connectors.

Modules supported

VM, PC, SCA, CERTVIEW, CLOUDVIEW

Authentication

Authentication to your Qualys account with valid Qualys credentials is required for making Qualys API requests to the Qualys API servers. [Learn more about authentication to your Qualys account](#)

Get API Notifications

We recommend you join our Community and subscribe to our API Notifications RSS Feeds for announcements and discussions.

<https://community.qualys.com/community/developer/notifications-api>

About Qualys

Qualys, Inc. (NASDAQ: QLYS) is a pioneer and leading provider of cloud-based security and compliance solutions. The Qualys Cloud Platform and its integrated Cloud Apps deliver businesses critical security intelligence continuously, enabling them to automate the full spectrum of auditing, compliance and protection for IT systems and web applications on premises, on endpoints and elastic clouds. For more information, please visit www.qualys.com

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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
```

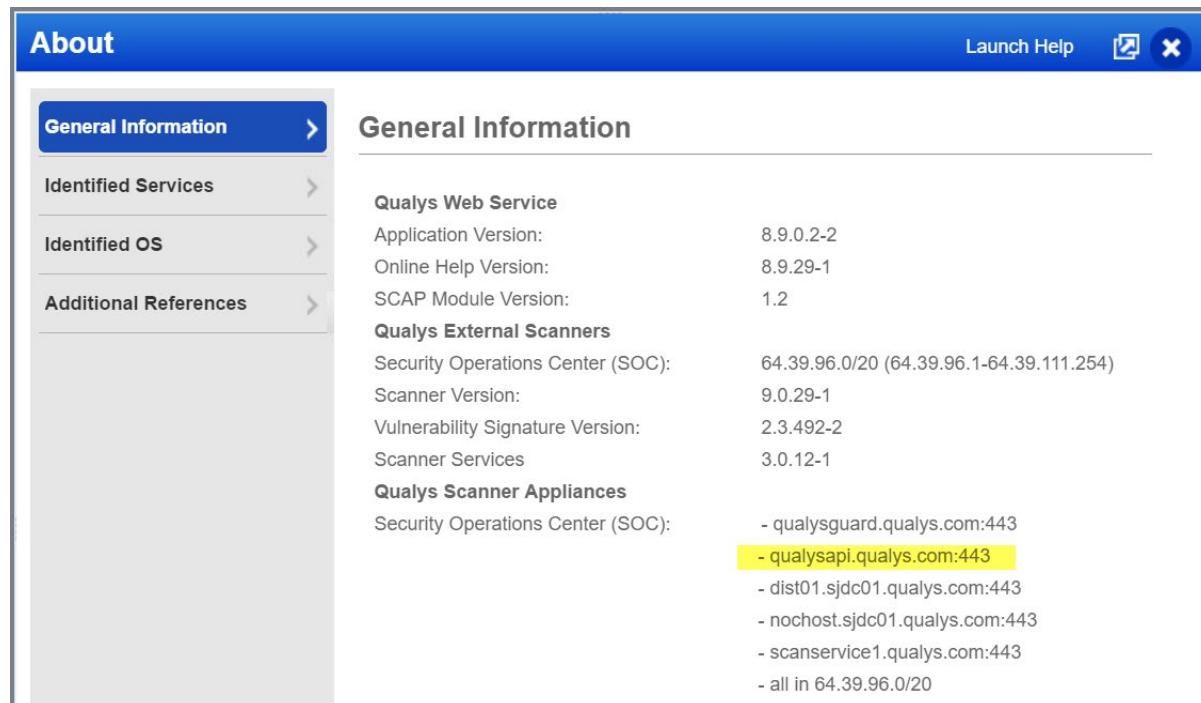
URL to Qualys API server

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).



The screenshot shows the 'About' page of a Qualys application. The left sidebar has a 'General Information' tab selected, which is highlighted in blue. Other tabs include 'Identified Services', 'Identified OS', and 'Additional References'. The main content area is titled 'General Information' and contains sections for 'Qualys Web Service', 'Qualys External Scanners', and 'Qualys Scanner Appliances'. Under 'Qualys Web Service', it lists Application Version: 8.9.0.2-2, Online Help Version: 8.9.29-1, and SCAP Module Version: 1.2. Under 'Qualys External Scanners', it lists Security Operations Center (SOC) version 64.39.96.0/20 (64.39.96.1-64.39.111.254), Scanner Version: 9.0.29-1, and Vulnerability Signature Version: 2.3.492-2. Under 'Qualys Scanner Appliances', it lists several hostnames and ports: qualysguard.qualys.com:443, qualysapi.qualys.com:443 (highlighted in yellow), dist01.sjdc01.qualys.com:443, nohost.sjdc01.qualys.com:443, scanservice1.qualys.com:443, and all in 64.39.96.0/20.

Section	Information
Qualys Web Service	Application Version: 8.9.0.2-2
	Online Help Version: 8.9.29-1
	SCAP Module Version: 1.2
Qualys External Scanners	Security Operations Center (SOC): 64.39.96.0/20 (64.39.96.1-64.39.111.254)
	Scanner Version: 9.0.29-1
	Vulnerability Signature Version: 2.3.492-2
Qualys Scanner Appliances	Scanner Services: 3.0.12-1
	Security Operations Center (SOC):
	- qualysguard.qualys.com:443 - qualysapi.qualys.com:443 - dist01.sjdc01.qualys.com:443 - nohost.sjdc01.qualys.com:443 - scanservice1.qualys.com:443 - all in 64.39.96.0/20

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"
}
}
```

Know your portal version

/qps/rest/portal/version/

[GET]

Using the Version API you can find out the installed version of Portal and its sub-modules that are available in your subscription.

Sample XML

API request

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Accept: application/xml"  
https://qualysapi.qualys.com/qps/rest/portal/version
```

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/  
version.xsd">  
    <responseCode>SUCCESS</responseCode>  
    <count>1</count>  
    <data>  
        <Portal-Version>  
            <PortalApplication-VERSION>2.33.0.0-SNAPSHOT-1 DEVELOP  
#352 (2018-05-07T22:53:43Z)</PortalApplication-VERSION>  
            <WAS-VERSION>6.0.0.0</WAS-VERSION>  
            <FIM-VERSION>1.5.1</FIM-VERSION>  
            <VM-VERSION>1.0.3</VM-VERSION>  
            <CERTVIEW-VERSION>1.1.0.0</CERTVIEW-VERSION>  
            <CM-VERSION>1.20.1</CM-VERSION>  
            <MDS-VERSION>2.11.7.0</MDS-VERSION>  
            <CA-VERSION>2.9.1.0</CA-VERSION>  
            <IOC-VERSION>1.1.0</IOC-VERSION>  
            <AV2-VERSION>0.1.0</AV2-VERSION>  
            <QUESTIONNAIRE-VERSION>2.14.0.4</QUESTIONNAIRE-VERSION>  
            <WAF-VERSION>2.7.0.0</WAF-VERSION>  
        </Portal-Version>  
    </data>  
</ServiceResponse>
```

Sample JSON

API request

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Accept: application/json"  
https://qualysapi.qualys.com/qps/rest/portal/version
```

Response

```
{  
    "ServiceResponse": {  
        "data": [  
            {  
                "Portal-Version": {  
                    "PortalApplication-VERSION": "2.33.0.0-SNAPSHOT-1 DEVELOP  
#352 (2018-05-07T22:53:43Z)",  
                    "WAS-VERSION": "6.0.0.0",  
                    "VM-VERSION": "1.0.3",  
                    "CM-VERSION": "1.20.1",  
                    "MDS-VERSION": "2.11.7.0",  
                    "CA-VERSION": "2.9.1.0",  
                    "QUESTIONNAIRE-VERSION": "2.14.0.4",  
                    "WAF-VERSION": "2.7.0.0"  
                },  
                ...  
            }  
        ],  
        "responseCode": "SUCCESS",  
        "count": 1  
    }  
}
```

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.

	<ul style="list-style-type: none"> - 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. ConnectorAppInfoQLList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
set.ConnectorAppInfo	<p>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].</p> <p>AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment</p>

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/awsassetdataconnector"
```

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>xxxxxxxxxx</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::xxxxxxxxxxxx
:role/CV_UI_TestPod</identifier>
                    <>tagId>20485923</tagId>
                    <tagMetadata>
                        <id>xxxxxxxxxxxx</id>
                    </tagMetadata>
                </ConnectorAppInfo>
            </list>
        </ConnectorAppInfoQList>
        <ConnectorAppInfoQList>
            <list>
                <ConnectorAppInfo>
                    <name>AI</name>
                    <identifier>arn:aws:iam::xxxxxxxxxxxx
:role/CV_UI_TestPod</identifier>

```

```

        <tagId>20485923</tagId>
        <tagMetadata>
            <id>xxxxxxxxxxxx</id>
        </tagMetadata>
    </ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
<ConnectorAppInfoQList>
    <list>
        <ConnectorAppInfo>
            <name>CI</name>
            <identifier>arn:aws:iam::xxxxxxxxxxxx
:role/CV_UI_TestPod</identifier>
            <tagId>xxxxxxxxxxxx</tagId>
            <tagMetadata>
                <id>xxxxxxxxxxxx</id>
            </tagMetadata>
        </ConnectorAppInfo>
    </list>
</ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<arn>arn:aws:iam::xxxxxxxx:role/CV_UI_TestPod</arn>
<externalId>POD-999999-11213331</externalId>
<qualysAwsAccountId>xxxxxxxxxxxx</qualysAwsAccountId>
<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": {
        "ConnectorAppInfoQLList": [
            {
                "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-999999-11213331",
          "isChinaConfigured": "false",
          "disabled": "false",
          "qualysAwsAccountId": "xxxxxxxxxxxx",
          "runFrequency": 240,
          "id": "xxxxxxxx",
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "tagMetadata": {
                          "id": "xxxxxxxx"
                        },
                        "name": "AI",
                        "identifier":  

"arn:aws:iam::::xxxxxxxxxxxx:role/CV_UI_TestPod",  

                          "tagId": "xxxxxxxx"
                        }
                      }
                    ]
                  }
                }
              }
            ]
          }
        }
      }
    ]
  }
}
```

```

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

```

```

        "ActivationModule": [
            "CLOUDVIEW",
            "SCA",
            "VM"
        ],
        "isGovCloudConfigured": "false",
        "allRegions": "true",
        "connectorState": "QUEUED",
        "arn":
        "arn:aws:iam::xxxxxxxxxx:role/CV_UI_TestPod",
        "awsAccountId": "xxxxxxxxxx",
        "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>
<arn>arn:aws:iam::::12345678911/role:testrole</arn>
<externalId>POD-999999-11213331</externalId>
<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>
```

Sample 4: Create Connector with specific regions using V3 APIs (XML)

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

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse
  xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance"
  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>xxxxxxxxxx</awsAccountId>
      <description>Connector created through API
automation</description>
      <connectorState>SUCCESS</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::xxxxxxxxxx
xxx:role/CV_UI_TestPod</identifier>
                    <>tagId>20485923</tagId>
                    <tagMetadata>
                        <id>xxxxxxxxxxxx</id>
                    </tagMetadata>
                </ConnectorAppInfo>
            </list>
        </ConnectorAppInfoQList>
        <ConnectorAppInfoQList>
            <list>
                <ConnectorAppInfo>
                    <name>AI</name>
                    <identifier>arn:aws:iam::xxxxxxxxxx
xxx:role/CV_UI_TestPod</identifier>
                    <>tagId>20485923</tagId>
                    <tagMetadata>
                        <id>xxxxxxxxxxxx</id>
                    </tagMetadata>
                </ConnectorAppInfo>
            </list>
        </ConnectorAppInfoQList>
        <ConnectorAppInfoQList>
            <list>
                <ConnectorAppInfo>
                    <name>CI</name>
                    <identifier>arn:aws:iam::xxxxxxxxxx
xxx:role/CV_UI_TestPod</identifier>
                    <>tagId>xxxxxxxxxxxx</tagId>
                    <tagMetadata>
                        <id>xxxxxxxxxxxx</id>

```

```

                </tagMetadata>
            </ConnectorAppInfo>
        </list>
    </ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<arn>arn:aws:iam::xxxxxxxxx:role/CV_UI_TestPod</arn>
<externalId>POD-999999-11213331</externalId>
<qualysAwsAccountId>xxxxxxxxxxxx</qualysAwsAccountId>

    <allRegions>false</allRegions>
</AwsAssetDataConnector>
</ServiceResponse>
```

Sample 5: Create Connector with specific regions using V3 APIs (JSON)

API Request

```
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

```
<{
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
        "name": "Test AWSConnector API",
        "description": "Connector created through API automation",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 42458382
            }
          }
        },
        "activation": {
          "set": {
            "ActivationModule": [
              "VM", "SCA"
            ]
          }
        },
        "disabled": false,
        "arn": "arn:aws:iam::XXXXXXXXXXXX:role/ARN_UPGRADE",
      }
    }
  }
},
```

```
"externalId": "US1-1368984-11213331",
"allRegions": false,
"endpoints": {
    "add": [
        "AwsEndpointSimple": [
            {
                "regionCode": "af-south-1"
            },
            {
                "regionCode": "eu-south-1"
            }
        ]
    }
},
"runFrequency": 240,
"isRemediationEnabled": true,
"connectorAppInfos": {
    "set": [
        "ConnectorAppInfoQLList": [
            {
                "set": [
                    "ConnectorAppInfo": {
                        "name": "AI",
                        "identifier": "arn:aws:iam:::12345678911/role:testrole"
                    }
                ],
                "set": [
                    "ConnectorAppInfo": {
                        "name": "CI",
                        "identifier": "arn:aws:iam:::12345678911/role:testrole"
                    }
                ],
                "set": [
                    "ConnectorAppInfo": {
                        "name": "CSA",
                        "identifier": "arn:aws:iam:::12345678911/role:testrole"
                    }
                ]
            }
        ]
    }
}
```

}

Response

```
{
  "ServiceResponse": {
    "count": 1,
    "responseCode": "SUCCESS",
    "data": [
      {
        "AwsAssetDataConnector": {
          "qualysAwsAccountId": "205767712438",
          "isChinaConfigured": "false",
          "runFrequency": 240,
          "arn": "arn:aws:iam::XXXXXXXXXXXXX:role/ARN_UPGRADE",
          "externalId": "US1-1368984-11213331",
          "id": 1998546,
          "name": "Test AWSConnector API",
          "description": "Connector created through API automation",
          "connectorState": "QUEUED",
          "disabled": "false",
          "isInstantAssessmentEnabled": "false",
          "awsAccountId": "",
          "isGovCloudConfigured": "false",
          "isCPSEnabled": "false",
          "isRemediationEnabled": "true",
          "allRegions": "false",
          "activation": {
            "ActivationModule": [
              "SCA",
              "VM",
              "CLOUDVIEW"
            ]
          },
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "identifier": "arn:aws:iam:::12345678911/role:testrole",
                        "name": "CI"
                      }
                    }
                  ]
                }
              }
            ]
          }
        }
      }
    ]
  }
}
```

```
        ]
    }
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "identifier": "arn:aws:iam::::12345678911/role:testrole",
                    "name": "AI"
                }
            }
        ]
    },
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "identifier": "arn:aws:iam::::12345678911/role:testrole",
                    "name": "CSA"
                }
            }
        ]
    },
    "type": "AWS",
    "defaultTags": {
        "list": [
            {
                "TagSimple": {
                    "id": 42458382,
                    "name": "CV_Automation_Tag"
                }
            }
        ]
    }
}
```

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 name of the connector that you want to update.
description	Provide a description for your connector.
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.ConnectorAppInfoQLList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
connectorAppInfos	<p>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].</p> <p>AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment</p>

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	<p>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.</p> <p>To use custom scan configuration, you need to enable this flag.</p>
optionProfileId	<p>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.</p>
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	<p>Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT.</p> <p>Note: This field is applicable only if the recurrence field is set to WEEKLY.</p>
scanPrefix	<p>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:</p> <p><prefix>-<connectorId>-<timestamp></p>
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/awsassetdataconnector/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/XXXXXX" --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": {
            "ConnectorAppInfoQLList": [
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI",
                    "identifier": "arn:aws:iam::::12345678911/role:testrole",
                    "tagId": 42458382
                  }
                }
              },
              {
                "set": {
                  "ConnectorAppInfo": {
                    "name": "AI"
                  }
                }
              }
            ],
            "set": {
              "ConnectorAppInfo": {
                "name": "AI"
              }
            }
          }
        }
      }
    }
  }
}
```

```
"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/awsassetdataconnector/"< 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.

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

https://<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]

The run connector API will fetch the latest changes related to your connector.

Permissions required - Managers with full scope.

API Request

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/awsassetdataconnector/<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::xxxxxxxxxx:role/test-pod"  
                                            }  
                                        }  
                                    ]  
                                }  
                            },  
                            {  
                                "ConnectorAppInfoQList": {  
                                    "list": [  
                                }
```

```

        {
            "ConnectorAppInfo": {
                "name": "AI",
                "identifier":
"arn:aws:iam::xxxxxxxxx:role/test-pod"
            }
        }
    ]
},
{
    "ConnectorAppInfoQLList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier":
"arn:aws:iam::xxxxxxxxx: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": "xxxxxxxxx",
"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",
"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.
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.
awsAccountId	The AWS account ID an asset data connector is connecting to perform searches.

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/awsassetdataconnector"
```

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>xxxxxxxxxx</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>xxxxxxxxxx</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::xxxxxxxxx:ro
le/test_pod</identifier>
                                <>tagId>xxxxxxxxxx</tagId>
                                <tagMetadata>
                                    <id>xxxxxxxxxx</id>

```

```

                <name>TestTag</name>
            </tagMetadata>
        </ConnectorAppInfo>
    </list>
</ConnectorAppInfoQList>
<ConnectorAppInfoQList>
    <list>
        <ConnectorAppInfo>
            <name>CI</name>
            <identifier>arn:aws:iam::xxxxxxxxx: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::xxxxxxxxx:ro
le/test_pod</identifier>
            <>tagId>xxxxxxxx</tagId>
            <tagMetadata>
                <id>xxxxxxxx</id>
                <name>Tag123</name>
            </tagMetadata>
        </ConnectorAppInfo>
    </list>
</ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<cloudviewUuid>xxxxxxxx-6726-xxxx-ad4c-
a5fb811a9d72</cloudviewUuid>
    <arn>arn:aws:iam::xxxxxxxxx:role/Saur_Test_04</arn>
    <externalId>pod13-xxxxxx-xxxxxx</externalId>
    <qualysAwsAccountId>xxxxxxxx</qualysAwsAccountId>
    <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/awsassetdatacon-
nector"
--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",
          "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::XXXXXXXXXXXXX:role/sample_user",
        "connectorAppInfos": {
            "list": [
                {
                    "ConnectorAppInfoQList": {
                        "list": [
                            {
                                "ConnectorAppInfo": {
                                    "name": "CSA",
                                    "identifier": "arn:aws:iam::XXXXXXXXXXXXX: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

[GET]

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

Specify the AWS connector ID to fetch the details of the connector.

Permissions required - Managers with full scope.

Sample 1: Fetch the AWS connector with the ID 179407

API Request (JSON)

```
curl -u "USERNAME:PASSWORD"--request GET --data-binary @-
"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": "pod-xxxxxx-1662018652278",
          "isChinaConfigured": "false",
          "lastSync": "2022-07-05T03:20:18Z",
          "nextSync": "2022-07-05T07:20:00Z",
          "disabled": "false",
          "qualysAwsAccountId": "xxxxx",
          "runFrequency": 240,
          "id": 179407,
          "connectorAppInfos": {
            "list": [
              {
                "ConnectorAppInfoQLList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "name": "AI",
                        "id": 179407
                      }
                    }
                  ]
                }
              }
            ]
          }
        }
      }
    ]
  }
}
```

```

        "identifier": "arn:aws:iam::xxxxxxxxxx:role/Cloudview_Test"
    }
}
]
},
"isGovCloudConfigured": "false",
"connectorState": "FINISHED_SUCCESS",
"allRegions": "false",
"type": "AWS",
"arn": "arn:aws:iam::xxxxxxxxxx:role/Cloudview_Test",
"isDeleted": "false",
"awsAccountId": "xxxxxxxxxx",
"isRemediationEnabled": "false"
}
}
],
"responseCode": "SUCCESS",
"count": 1
}
}

```

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

API Request (JSON)

```
curl -u "USERNAME:PASSWORD"--request GET --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/awsassetdataconnector/179407"
--header 'Accept: application/json'
```

Response (JSON)

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

```
<identifier>arn:aws:iam::XXXXXXXXXXXX: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

[GET]

/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 -u "USERNAME:PASSWORD"--request GET --data-binary @-
'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>011xxxxx917</chinaAccountId>
        <customerGlobalAccount>false</customerGlobalAccount>
        <customerGovAccount>false</customerGovAccount>
        <customerChinaAccount>false</customerChinaAccount>
    </data>
</ServiceResponse>
```

API request(JSON)

```
curl --request GET --data-binary @-
'https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsbaseaccount'
```

```
\n--header 'Accept: application/json' \n--header 'Content-Type: application/json' \n--header 'Authorization: Basicxxxxxxxxxxxxxxxxxxxxxx' \n--header 'Cookie: JSESSIONID=xxxxxxxxxxxxxxxxxxxxxxxxxxxxx'
```

Response (JSON)

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

Get All Errors for AWS Connector 3.0

[GET]

/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" --request GET --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-
0c7416add8f64cff, 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" --request GET --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-0be39baf8d595fed, 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-ed66-44a6-9878-664c48caf07",  
          "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-0c7416add8f64cff, 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/awscloudformationtemplate"  
--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>
            <ConnectorAppInfoQLList>
                <set>
                    <ConnectorAppInfo>
                        <name>AI</name>
                        <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                            <>tagId>123489465</tagId>
                        </ConnectorAppInfo>
                    </set>
                </ConnectorAppInfoQLList>
                <ConnectorAppInfoQLList>
                    <set>
                        <ConnectorAppInfo>
                            <name>CI</name>
                            <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                                <>tagId>123489465</tagId>
                            </ConnectorAppInfo>
                        </set>
                    </ConnectorAppInfoQLList>
                    <ConnectorAppInfoQLList>
                        <set>
                            <ConnectorAppInfo>
                                <name>CSA</name>
                                <identifier>xxxxxxxxx-4f67-xxxx-917d-
2246853844e1</identifier>
                                    <>tagId>123489465</tagId>
                                </ConnectorAppInfo>
                            </set>
                        </ConnectorAppInfoQLList>
                    </set>
                </ConnectorAppInfoQLList>
            </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>xxxxxxxxxx-4f67-xxxx-
917d-2246853844e1</identifier>
                                    <>tagId>123xxx65</tagId>
                                    <tagMetadata>
                                        <id>123xxx65</id>
                                    </tagMetadata>
                                </ConnectorAppInfo>
                            </list>
                        </ConnectorAppInfoQList>
                        <ConnectorAppInfoQList>
                            <list>
                                <ConnectorAppInfo>
                                    <name>CSA</name>
                                    <identifier>xxxxxxxxxx-4f67-xxxx-
917d-2246853844e1</identifier>
                                    <>tagId>123489465</tagId>
                                    <tagMetadata>
                                        <id>123489465</id>
                                    </tagMetadata>
                                </ConnectorAppInfo>
                            </list>
                        </ConnectorAppInfoQList>
                        <ConnectorAppInfoQList>

```

```

<list>
    <ConnectorAppInfo>
        <name>AI</name>
        <identifier>xxxxxxxxxx-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": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7",
    "directoryId": "xxxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb",
    "subscriptionId": "xxxxxxxxxx-4f67-xxxx-917d-2246853844e1",
    "authenticationKey": "02LCb8/RCn0lbGj6xxxxxxxxxnoH01rog="
},
"connectorAppInfos": {
    "set": [
        "ConnectorAppInfoQLList": [
            {
                "set": {
                    "ConnectorAppInfo": {
                        "name": "AI",
                        "identifier": "xxxxxxxxxx-4f67-xxxx-917d-
2246853844e1",
                        "tagId": 123489465
                    }
                }
            },
            {
                "set": {
                    "ConnectorAppInfo": {
                        "name": "CI",
                        "identifier": "xxxxxxxxxx-4f67-xxxx-917d-
2246853844e1",
                        "tagId": 123489465
                    }
                }
            },
            {
                "set": {
                    "ConnectorAppInfo": {
                        "name": "CSA",
                        "identifier": "xxxxxxxxxx-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": "xxxxxxxxxx-4f67-xxxx-917d-2246853844e1",
                        "tagId": 123489465,
                        "tagMetadata": {
                          "id": 123489465
                        }
                      }
                    }
                  ]
                }
              },
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {
                        "name": "CSA",
                        "identifier": "xxxxxxxxxx-4f67-xxxx-917d-2246853844e1",
                        "tagId": 123489465,
                        "tagMetadata": {
                          "id": 123489465
                        }
                      }
                    }
                  ]
                }
              }
            ]
          }
        }
      }
    ]
  }
}
```

```

        }
    ]
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier": "xxxxxxxxxx-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/RCn0lbGj6xc0GQPZ1YG2z85aSm
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_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.ConnectorAppInfoQLList	A mandatory parent parameter when you need to provide the below parameter, set.ConnectorAppInfo.
connectorAppInfos	<p>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].</p> <p>AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment</p>

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	<p>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.</p> <p>To use custom scan configuration, you need to enable this flag.</p>
optionProfileId	<p>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.</p>
recurrence	Specify if the scan should be scheduled on DAILY or WEEKLY basis.
daysOfWeek	<p>Specify the days when the scan should be scheduled. For example, SUN, MON, TUE, WED, THU, FRI, SAT.</p> <p>Note: This field is applicable only if the recurrence field is set to WEEKLY.</p>
scanPrefix	<p>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:</p> <p><prefix>-<connectorId>-<timestamp></p>
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/azureassetdata  
connector/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>xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</applicationId>  
<directoryId>xxxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb</directoryId>  
<subscriptionId>xxxxxxxxxx-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>xxxxxxxxxx-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/azureassetdata-
connector/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": [
            "TagSimple": {
              "id": 123488471
            }
          ]
        }
      }
    }
  }
}

```

```

    "set": {
        "ActivationModule": "VM"
    },
},
"authRecord": {
    "applicationId": "f076c321-694d-4929-ae0b-d2bd14d1a4d7",
    "directoryId": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb",
    "subscriptionId": "9de9e0a7-4f67-4812-917d-2246853844e1",
    "authenticationKey":
"02LCb8/RCn0lbGj6xc0GQPZ1YG2z85aSmCxnoH01rog="
},
"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/azureassetdataconnector/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>
    </ServiceResponse>
```

```
</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.

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/azureassetdatacon  
nector/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/azureassetdatacon  
nector/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]

API to run the Azure connector. The connectors may be run immediately or queued to run when there is capacity. The run connector API will fetch the latest changes related to your connector.

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>xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxx</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/RCn0lbGj6xc0GQPZ1YG2z85aSmCxnoH01rog=</authenticationKey>
<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>cvttest</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/azureassetdataconnector/<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": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                        }
                      }
                    ]
                  }
                }
              ]
            },
            {
              "ConnectorAppInfoQList": {
                "list": [
                  {
                    "ConnectorAppInfo": {
                      "name": "CSA",
                      "identifier": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                    }
                  }
                ]
              },
              {
                "ConnectorAppInfoQList": {
                  "list": [
                    {
                      "ConnectorAppInfo": {

```

```
        "name": "AI",
        "identifier":
"xxxxxxxxxx-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": "xxxxxxxxxx-694d-xxxx-ae0b-
d2bd14d1a4d7",
    "directoryId": "xxxxxxxxxx-65ab-xxxx-9e5b-
1ea02d3d94eb",
    "subscriptionId": "xxxxxxxxxx-4f67-xxxx-917d-
2246853844e1"
},
"cloudviewUuid": "xxxxxxxxxx-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/azureassetdataconne  
ctor"
```

Request POST data (XML)

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

```
<root>
<ServiceRequest>
<filters>
<Criteria>
<field>id</field>
<operator>EQUALS</operator>
<value>xxxxxx</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>xxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</value>
</Criteria>
<Criteria>
<field>authRecord.directoryId</field>
<operator>EQUALS</operator>
<value>xxxxxxxx-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/RCn0xxxxxxxx85aSmCxnoH01rog=</authenticationKey>
<applicationId>xxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7</applicationId>
<directoryId>xxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb</directoryId>
<subscriptionId>9de9e0a7-4f67-4812-917d-2246853844e1</subscriptionId>
</authRecord>
```

```

<cloudviewUuid>xxxxxxxxxx-f881-xxxx-b5d7-c5c1faddfa39</cloudviewUuid>
<isDeleted>false</isDeleted>
<isGovCloudConfigured>false</isGovCloudConfigured>
<type>AZURE</type>
<activation>
<ActivationModule>CLOUDVIEW</ActivationModule>
</activation>
<subscriptionName>cvttest</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/azureassetdatacon-
nector"
--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" : "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7" },
                { "field" : "authRecord.directoryId", "operator" :
"EQUALS", "value" : "xxxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb" },

```

```

        { "field" : "authRecord.subscriptionId",
"operator" : "EQUALS", "value" : "xxxxxxxxxx-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": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                      }
                    }
                  ]
                }
              }
            ],
            "ConnectorAppInfoQList": {
              "list": [
                {
                  "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                  }
                }
              ]
            }
          }
        }
      }
    ]
  }
}
```

```

        "list": [
            {
                "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                }
            }
        ],
    },
    {
        "ConnectorAppInfoQList": {
            "list": [
                {
                    "ConnectorAppInfo": {
                        "name": "AI",
                        "identifier": "xxxxxxxxxx-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": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7",
            "directoryId": "xxxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb",
            "subscriptionId": "xxxxxxxxxx-4f67-xxxx-917d-2246853844e1"
        },
        "cloudviewUuid": "xxxxxxxxxx-f881-xxxx-b5d7-c5c1faddfa39",
        "isDeleted": "false",
        "isGovCloudConfigured": "false",
        "type": "AZURE",
    }
}

```

```

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

```

Sample 2 - Search Azure Connector by Capability name and subscription 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/azureassetdataconnector"
```

Request POST data (XML)

```

ServiceRequest>
<filters>
<Criteria field="appCapability.name"
operator="EQUALS">AI</Criteria>
<Criteria field="authRecord.subscriptionId"
operator="EQUALS">9*****4e1</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.p01.eng.sjc01.qualys.
com/qps/xsd/3.0/am/azureassetdataconnector.xsd">
<responseCode>SUCCESS</responseCode>
<count>1</count>
```

```
<hasMoreRecords>false</hasMoreRecords>
<data>
<AzureAssetDataConnector>
<id>1071442</id>
<name>AZURE AV CV UI CONN</name>
<lastSync>2023-05-08T07: 43: 07Z</lastSync>
<connectorState>PROCESSING</connectorState>
<type>AZURE</type>
<activation>
<list>
<ActivationModule>CLOUDVIEW</ActivationModule>
<ActivationModule>SCA</ActivationModule>
<ActivationModule>CERTVIEW</ActivationModule>
</list>
</activation>
<disabled>false</disabled>
<isGovCloudConfigured>false</isGovCloudConfigured>
<isDeleted>false</isDeleted>
<runFrequency>120</runFrequency>
<nextSync>2023-05-08T09: 30: 01Z</nextSync>
<isRemediationEnabled>true</isRemediationEnabled>
<isCPSEnabled>false</isCPSEnabled>
<connectorAppInfos>
<list>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>CSA</name>
<identifier>f07*****4d7</identifier>
<>tagId>22935213</tagId>
<tagMetadata>
<id>22935213</id>
<name>CONNtag1</name>
</tagMetadata>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>AI</name>
<identifier>f07*****4d7</identifier>
<>tagId>22935213</tagId>
<tagMetadata>
<id>22935213</id>
<name>CONNtag1</name>
</tagMetadata>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
```

```

</list>
</ConnectorAppInfoQList>
<ConnectorAppInfoQList>
<list>
<ConnectorAppInfo>
<name>CI</name>
<identifier>f07*****4d7</identifier>
<>tagId>22935213</tagId>
<tagMetadata>
<id>22935213</id>
<name>CONNtag1</name>
</tagMetadata>
</ConnectorAppInfo>
</list>
</ConnectorAppInfoQList>
</list>
</connectorAppInfos>
<cloudviewUuid>202309bb-xxxx-xxxx-xxxx-xxxxxxxxxxxx</cloudviewUuid>
<isInstantAssessmentEnabled>false
</isInstantAssessmentEnabled>
<authRecord>
<applicationId>f07*****4d7</applicationId>
<directoryId>ff4e2*****d94eb</directoryId>
<authenticationKey>02*****1rog=</authenticationKey>
<subscriptionId>*****e1</subscriptionId>
</authRecord>
<subscriptionName>qlys-dev-cvdev</subscriptionName>
</AzureAssetDataConnector>
</data>
</ServiceResponse>

```

API request (JSON)

```

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

```

Request POST data (XML)

```
{
  "ServiceRequest": {
    "filters": {

```

```

"Criteria": [
    {
        "field": "authRecord.subscriptionId", "operator": "EQUALS", "value": "1d7*****"
    }
]
}
}
}
}

```

Response (XML)

```

{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "data": [
            {
                "AzureAssetDataConnector": {
                    "authRecord": {
                        "authenticationKey": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx8=",
                        "subscriptionId": "****86",
                        "applicationId": "d8*****6e2d61aec",
                        "directoryId": "ff4e*****eb"
                    },
                    "activation": {
                        "ActivationModule": [
                            "CLOUDVIEW"
                        ]
                    },
                    "type": "AZURE",
                    "cloudviewUuid": "b0bc5468-c9ed-3538-9fb7-f09a79fb3aab", "isDeleted": "false",
                    "subscriptionName": "qlys-dev-cvsignature",
                    "isRemediationEnabled": "false",
                    "runFrequency": 240,
                    "nextSync": "2023-05-08T10:22:17Z",
                    "name": "AZURE 1D CONN",
                    "lastSync": "2023-05-08T06:22:17Z",
                    "isCPSEnabled": "false",
                    "id": "***",
                    "isGovCloudConfigured": "false",
                    "isInstantAssessmentEnabled": "false",
                    "connectorAppInfos": {
                        "list": [
                            {
                                "ConnectorAppInfoQList": {
                                    "list": [

```

```

    {
      "ConnectorAppInfo": {
        "identifier": "*****c",
        "name": "CI"
      }
    }
  },
  {
    "ConnectorAppInfoQList": {
      "list": [
        {
          "ConnectorAppInfo": {
            "identifier": "d8c*****61aec",
            "name": "CSA"
          }
        }
      ]
    }
  },
  {
    "ConnectorAppInfoQList": {
      "list": [
        {
          "ConnectorAppInfo": {
            "identifier": "d8c*****c",
            "name": "AI"
          }
        }
      ]
    }
  }
],
"connectorState": "QUEUED",
"disabled": "false"
}
},
],
"hasMoreRecords": "false",
"count": 1
}
}
}

```

Get Azure Connector Info 3.0

[GET]

/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"--request GET --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/azureassetdata-
connector"
--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": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                      }
                    }
                  ]
                }
              }
            ]
          }
        },
      ]
    }
  }
}
```

```
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7"
                }
            }
        ]
    },
    {
        "ConnectorAppInfoQList": {
            "list": [
                {
                    "ConnectorAppInfo": {
                        "name": "AI",
                        "identifier": "xxxxxxxxxx-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/RCn0lbGj6xxxxxxxxx5aSmCxnoH01rog=",
    "applicationId": "xxxxxxxxxx-694d-xxxx-ae0b-d2bd14d1a4d7",
    "directoryId": "xxxxxxxxxx-65ab-xxxx-9e5b-1ea02d3d94eb",
    "subscriptionId": "xxxxxxxxxx-4f67-xxxx-917d-2246853844e1"
},
"cloudviewUuid": "xxxxxxxxxx-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	<p>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].</p> <p>AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment.</p>

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/gcpassetdataconnector"
```

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
4iQd9lhhHXGo8JLVgqSru08ebxa002+ps8PPukPuAS9IazPrNjdyndVez0C1ANJu
xj3NhAOQ5xHTANFQH33CXcrxhoNKvdQLIxg0wH8HS94wCOvvDU7wKu0dkfSdLE6Z
a3FM7v2J5iZgC2QgF/stwl13pLszLs0y0uJ1MiiV4nYBUMBqrZr8sJvbSBoiEXVt
enk4Dm2a6khRdRFsa9d9g3Z0t2GyXT3ln8KEAdn8p1Uu1C6WIHg9HJtYi3ib/4bn
2tahZ/T5C6BQk+3BTbRAoGBALMpB9z3MsEckgNJAF3P
y0pko3GuZx4nq3f20oADxsYfwRjJ5ZfchKbW/rE0IcK0enw3sEHlcFFHgcvMSnr4
H10zCZ6uq9rEytwXtM3JKF3ywIH6AzAdkw4s/AVQmk3ejSJkRzxly8FRPNeJjSz
5WqpzucZntGdP2UoMMGIv/iq
-----END PRIVATE KEY-----
</private_key>
    <private_key_id>9f5cd117dd7bcaad4</private_key_id>

```

```

        <token_uri>https://oauth2.googleapis.com/token</token_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>
        </GcpAssetDataConnector>
    </data>
</ServiceResponse>

```

```

<authRecord>
    <projectId>my-project-151366xxxx1</projectId>
</authRecord>
<lastSync>2022-06-30T13:21:57Z</lastSync>
<runFrequency>240</runFrequency>
<cloudviewUuid>xxxxxxxxxx-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": [
                        {
                            "ConnectorAppInfoQLList": [
                                {
                                    "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
stwl13pLszLs0yOuJlMiiV4
nYBUMbQrZr8sJvbSBoiEXVt\nenk4Dm2a6khRdRFsa9d9g3Z0t2GyXT3ln8KEAdn8p1U
u1C6WIHg9HJtYi3ib/4bn\n
2tahZ/T5C6BQk+3B38xsnsAJ0TfZFE+xW8mLVMCJRGkPf4sMMP/h9oZbjFdZvf4K\nGE
953kjFAGMBAECggEAHEY19eYGpe
3FnPzaaIMTCgNHjo8Xm7KtHoBdWDh\nnrDruYtPLXBQMrJPPYTfBG8fKG3bJKAeJFvfbr
AalvqBasMa24Scvm8Aw1+bDeztm\nnJjIEFokpUJwAb3ufb6aZR14v
yQKBgQDZC72Ddcs9AZ+0v/CYWB27Qm06bQ8m/p6D3lnKS1yBV5AoGBAMHf\nnhszib0Rz
KuEdjE3MIKoMstWxFLACV42pccpyBaLMHawLpNQJVdNQUo+EJZIFPhwF\nnbTVIvThGy7
+lwmnu608SN6hyDG+tX9V6DgrwBkQWbVZGf9wv6dKbth9dvnId1ACDv
\nm94RPIQteQmamx2T90t+djTTNKNpHdHLwOKYNTbRAoGBALMpb9z3MsEckgNJAF3P\n
y0pko3GuZx4nq3f20oADxsYfwRj5ZfcKbW/rE0IcK0enw3sEH1cFFHgcvMSnr4\nh1
0zCZ6uq9rEytwXtM3JKf3ywIH6AzAdkw4s/AVQmk3ejSJkRzxly8FRPNeJjSz
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-  
xxxxxxxxxx</identifier>  
                                <>tagId>121212</tagId>  
                            </ConnectorAppInfo>  
                        </set>  
                    </ConnectorAppInfoQList>  
                    <ConnectorAppInfoQList>  
                        <set>  
                            <ConnectorAppInfo>  
                                <name>CSA</name>
```

```

<identifier>my-project-
xxxxxxxxxx</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-xxxxxxxxxx"
},
"connectorAppInfos": {
    "set": [
        "ConnectorAppInfoQList": [
            {
                "set": {
                    "ConnectorAppInfo": {
                        "name": "CI",
                        "identifier": "my-project-
xxxxxxxxxx",
                        "tagId": 121212
                    }
                }
            },
            {
                "set": {
                    "ConnectorAppInfo": {
                        "name": "CSA",
                        "identifier": "my-project-
xxxxxxxxxx",
                        "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 run connector API will fetch the latest changes related to your connector.

Permissions required - Managers with full scope.

API request(JSON)

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/gcpassetdataconnector/<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-xxxxxxxxxx"  
                                            }  
                                        }  
                                    ]  
                                }  
                            }  
                        ]  
                    }  
                }  
            }  
        ]  
    }  
}
```

```
        ]
    }
},
{
    "ConnectorAppInfoQList": {
        "list": [
            {
                "ConnectorAppInfo": {
                    "name": "CI",
                    "identifier": "my-
project-xxxxxxxxxx"
                }
            }
        ]
    }
},
"disabled": "false",
"id": 842873,
"connectorState": "FINISHED_SUCCESS",
"name": "Test GCP connector API UPDATED",
"isRemediationEnabled": "true",
"authRecord": {
    "projectId": "my-project-xxxxxxxxxx"
},
"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.
appCapability.name	Connector application capability name

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/1xxxxxx"
```

Request POST data (XML)

```
<?xml version="1.0" encoding="UTF-8" ?>  
<ServiceRequest>  
  <filters>  
    <Criteria>  
      <field>id</field>  
      <operator>EQUALS</operator>  
      <value>xxxxxx</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-xxxxxxxxxx</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>
                </list>
            </connectorAppInfos>
        </GcpAssetDataConnector>
    </data>
</ServiceResponse>

```

```

        </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/1xxxxxx"
--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"
                      }
                    }
                  ]
                }
              }
            ],
            "list": [
              {
                "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

[GET]

/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 -u "USERNAME:PASSWORD" --request GET  
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/gcpassetdataconnector/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-xxxxxxxxxx"  
                                            }  
                                        ]  
                                    }  
                                }  
                            ]  
                        }  
                    }  
                }  
            ]  
        ]  
    }  
}
```

```
        }
      ]
    }
  ],
{
  "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" --request GET --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": "1xxxxxxxx"  
                }  
            ]  
        }  
    }  
}
```

Response(JSON)

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

OCI Connectors 3.0

OCI Connectors 3.0

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

Note: The OCI Connector support must be enabled for your subscription to run these APIs. Contact support enable OCI connectors in your subscription.

[Create OCI Connector 3.0](#)

[Update OCI Connector 3.0](#)

[Search OCI Connector 3.0](#)

[Delete OCI Connector 3.0](#)

[Get OCI Connector 3.0](#)

[Run OCI Connector 3.0](#)

Create OCI Connector 3.0

/qps/rest/3.0/create/am/ociassetdataconnector

[POST]

Specify the connector details of your OCI account and create a new connector in the Connectors application.

Input Parameter

Parameters	Description
name	Name of the connector you want to create.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
homeRegion	Select the region from which you want to discover OCI resources.
tenantId	The Tenant ID of your OCI account.
authRecord	The OCI authentication record the connector uses to connect to OCI. When writing/updating it is looked up by the ID field.
userId	The user ID of your OCI account.
privateKey	The private key generated with your OCI account,
fingerprint	The fingerprint of the API signing key.
connectorApplInfos	A mandatory parent parameter when you

	need to provide the below parameter, set.ConnectorAppInfo.
set.ConnectorAppInfo	<p>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].</p> <p>AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment</p>

Sample 1 - Create an OCI 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/ociassetdataconnector"
```

Request POST data

```
{
  "ServiceRequest": {
    "data": {
      "OciAssetDataConnector": {
        "homeRegion": "us-ashburn-1",
        "runFrequency": 240,
        "isRemediationEnabled": [
          false,
          true
        ],
        "name": "Oci2",
        "description": "Master oci Connector",
        "disabled": false,
        "isGovCloudConfigured": true,
        "isCPSEnabled": true,
        "authRecord": {
          "tenantId": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
          "userId": "ocid1.user.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
          "fingerprint": "xx:74:xx:60:xx:04:xx:d4:xx:ca:xx:b4:xx:23:xx:fg",
        }
      }
    }
  }
}
```

```
"privateKey":  
"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
x  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
x7Ii7q4qnPMKL8upZOnqPDGBPfBr8sieW2cJTSMM8EvBfMD1Y4Z5+utkyanngEF&#xd  
;  
CZFtPRGWyhftC7jVvSCihwH0K0oRkSpesscuYrj09ramI3MSVz7YPB9jdpyXDm/s&#xd  
;  
oG0AIm2or54luchTxrauNKIPPVFGDkmjjpBsEjBzcxXLpZE04ecyycdHLx4F3uAH&#xd  
;  
m6zNcSFZo4lqiwJ9BnMwMARtIp9ZtN4MQqib3ysLC0SAki1F/ru/8ASuD8STtsRy&#xd  
;  
uZUYtb8AVxfLcJ/MoS91R56vH0GyDfqQ7ddbCQeSTX/0XMCqPsthFOHfoJHbd4N&#xd  
;  
KaWrse2zAgMBAAECggEAONYJZHT8i2iy/GgnFukJkTQDS5+pkE0urWRNBTLJpb56&#xd  
;  
9/9c1/3UsSBI8skhdWG9bso0Em6GWTtKif2mA4mMzQdrspXdypG/TLipnZ0v42nP&#xd  
;  
afSLBuZ5drIlZi2qNzK2z6RitmYd024XXF5Ts9zPH70AuwqAggqKYHs2yLOu7i&#xd;j  
&  
Vu07NFA0vPE3b4jsy1nauexAuEGUVYfcoNnhvJGAN8tnBNTzqHxX2NG2J2LILJQ5&#xd  
;  
K25fnYkvxp+ndJiXi7+MaMNGrH2EAnJW4OKAX2I5sFi0qduWrpY325yV0dVJ0W&#xd;T  
&  
6Zjki+vTr6TR+i4rjvUPzP9gl402a4XYGN5Mm738iQKBgQDRC4pU7Y+jSMDe&#xd;ns9  
&  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
0ZrGEevYi5hPAD7u0xSksbDwvQKBgQDQKmF1LSLY5zHhI2WZ0qpQNTCZrUOc60GZ&#xd  
;  
ydmGinLfBkEK3wbH51MToJ1nkjvn2HERrfJxy+d6t2+qbKCFk3Nk05A2+V0cfyoc&#xd  
;  
bFHnsHpKoK0I0J6YmaJffpWQbc0Hd1AzYcg7c196FdElZp9zcjatvcJbApP9qf3K&#xd  
;  
7jKFJBPLwKBgQCVR3hxTXPVVo7kLqvzAIMA7KPCeKWaI0TjQuJ3SmpGUUVuxI+c&#xd  
;  
uto2ZZeTbJkZeglp1YKN1ULm02Dq9B7Q08/UDHbo6gIhsGuQwohJ037ntgohjSC9&#xd  
;  
/7NQWiDls+ESFL2fBzpixwGM4qBPxbRG009pG6XJJiPUc2esfH76ihAwQKBgC9d&#xd  
;  
dU90Nbmk4XSY2UVm6dnWQHi3M+tAEhUsGJLEbd7RTXtrw984g26z3Rzz6S2X0iJz&#xd  
;  
sfayrrj9hCsDDINYSa1E5Eud76hsRuiwvPI69ZiFdtKnkuaqZd5TA7Q7RYFz/nh&#xd  
;  
Be6BEfh1fmFEOIPMOSTPSKnsrD/Lrj0+f0BMNTeBAoGAK02hk7e+104vAj9QDHG2&#xd  
;  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
```

```
/Tt0usbYfCJBIQio76Z1QuC=&#xd;",
    "passphrase": "passphrase1"
},
"connectorAppInfos": {
    "set": {
        "ConnectorAppInfoQList": {
            "set": {
                "ConnectorAppInfo": [
                    {
                        "name": "AI",
                        "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
                        "tagId": ""
                    },
                    {
                        "name": "CI",
                        "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
                        "tagId": ""
                    },
                    {
                        "name": "CSA",
                        "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
                        "tagId": ""
                    }
                ]
            }
        }
    }
}
```

Response

```
{
    "ServiceResponse": {
        "responseCode": "SUCCESS",
        "count": 1,
        "data": {
            "OciAssetDataConnector": {
                "id": "xxxxxx",
                "name": "Oci4",
                "description": "Master oci Connector",
                "lastSync": "2023-07-28T09:12:01Z",
                "tags": []
            }
        }
    }
}
```

```
"disabled": false,  
"isDeleted": false,  
"connectorAppInfos": {  
    "list": {  
        "ConnectorAppInfoQList": {  
            "list": {  
                "ConnectorAppInfo": {  
                    "name": "AI",  
                    "identifier":  
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"  
                }  
            }  
        }  
    }  
},  
"authRecord": {  
    "tenantId":  
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx"  
}  
}  
}
```

Update OCI Connector 3.0

`/qps/rest/3.0/update/am/ociassetdataconnector/`

[POST]

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

Input Parameter

Parameters	Description
name	The name of the connector that you want to update.
description	Update the description of the connector.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
connectorApplInfos.set.ConnectorAppInfoQList	A mandatory parent parameter when you need to update the below parameter, set.ConnectorAppInfo.
connectorApplInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can use one or more apps from list [AI, CI, CSA]. AI- Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assessment

Sample - Update an OCI Connector

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/ociassetdataco
nnector/xxxxxx"
```

Request POST data

```
{
  "ServiceRequest": {
    "data": {
      "OciAssetDataConnector": {
        "id": "xxxxxx",
        "name": "TestConnector3",
        "disabled": true,
        "description": "Sample oci Connector",
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQLList": {
              "set": {
                "ConnectorAppInfo": {
                  "name": "AI",
                  "identifier": "ocid1.tenancy.oc1xxxxxxxxxxxxxxxxxxxxx",
                  "tagId": ""
                }
              }
            }
          }
        }
      }
    }
  }
}
```

Response

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 1,
    "data": {
      "OciAssetDataConnector": {
        "id": "xxxxxx",
        "name": "TestConnector3",
        "description": "Sample oci Connector",
        "lastSync": "2023-07-28T11:59:43Z",
        "disabled": true,
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQLList": {
              "set": {
                "ConnectorAppInfo": {
                  "name": "AI",
                  "identifier": "ocid1.tenancy.oc1xxxxxxxxxxxxxxxxxxxxx"
                }
              }
            }
          }
        }
      }
    }
  }
}
```

```
"isDeleted": false,  
"connectorAppInfos": {  
    "list": {  
        "ConnectorAppInfoQList": {  
            "list": {  
                "ConnectorAppInfo": {  
                    "name": "AI",  
                    "identifier":  
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxx"  
                }  
            }  
        }  
    },  
    "authRecord": {  
        "tenantId": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxx"  
    }  
}  
}  
}
```

Search OCI Connector 3.0

/qps/rest/3.0/search/am/ociassetdataconnector/

[POST]

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

Sample - Search OCI Connector Details

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/ociassetdataco-
nector/
```

Response

```
{
  "ServiceResponse": {
    "responseCode": "SUCCESS",
    "count": 3,
    "hasMoreRecords": false,
    "data": {
      "OciAssetDataConnector": [
        {
          "id": "xxxxxxxx",
          "name": "Oci2",
          "description": "Master oci Connector",
          "lastSync": "2023-07-19T11:15:32Z",
          "lastError": "Internal processing error",
          "connectorState": "FINISHED_ERRORS",
          "type": "OCI",
          "disabled": false,
          "isGovCloudConfigured": false,
          "isDeleted": false,
          "runFrequency": 240,
          "nextSync": "2023-07-19T15:15:23Z",
          "isCPSEnabled": false,
          "connectorAppInfos": {
            "list": [
              "ConnectorAppInfoQLList": [
                {
                  "list": [
                    "list": {
```

```

    "ConnectorAppInfo": {
        "name": "AI",
        "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
            "tagId": 132798612,
            "tagMetadata": {
                "id": 132798612,
                "name": "test-tag"
            }
        }
    },
    {
        "list": {
            "ConnectorAppInfo": {
                "name": "CI",
                "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
                    "tagId": 132798612,
                    "tagMetadata": {
                        "id": 132798612,
                        "name": "test-tag"
                    }
                }
            }
        },
        {
            "list": {
                "ConnectorAppInfo": {
                    "name": "CSA",
                    "identifier":
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
                        "tagId": 132798612,
                        "tagMetadata": {
                            "id": 132798612,
                            "name": "test-tag"
                        }
                    }
                }
            }
        }
    ],
    {
        "cloudviewUuid": "e17b24f8-4e1d-4da7-abe4-20584e78b102",
        "isInstantAssessmentEnabled": false,
        "isSnapshotAssessmentEnabled": false,
        "homeRegion": "us-ashburn-1",
        "authRecord": {

```

```
        "tenantId":  
"ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxx",  
        "userId": "ocid1.user.oc1..xxxxxxxxxxxxxxxxxxxxxx",  
        "fingerprint":  
"f1:74:98:60:ea:04:08:d4:59:ca:af:b4:ed:23:b7:fg",  
        "privateKey":  
"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
x  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
x7Ii7q4qnPMKL8upZOnqPDGBPfBr8sieWW2cJTSMM8EvBfMD1Y4Z5+utkyanngEF&#xd  
;  
CZFtPRGWyhftC7jVvSCihwH0K0oRkSpesscuYrj09ramI3MSVz7YPB9jdpyXDm/s&#xd  
;  
oG0AIm2or54luchTxrauNKIPPVFGDkmjjjpBsEjBzcxXLpZE04ecyycdHLx4F3uAH&#xd  
;  
m6zNcSFZo4lqiWJ9BnMWMARtIp9ZtN4MQqib3ysLC0SAki1F/ru/8ASuD8STtsRy&#xd  
;  
uZUYtbf8AVxfLcJ/MoS91R56vHOGyDfqQ7ddbCQeSTX/0XMCqPsthFOHfoJHbd4N&#xd  
;  
KaWrse2zAgMBAAEcggEAONYJZHT8i2iy/GgnFukJkTQDS5+pkE0urWRNBTLJpb56&#xd  
;  
9/9c1/3UsSBI8skhdWG9bso0Em6GWtKif2mA4mMzQdrspXdypG/TLipnZ0v42nP&#xd  
;  
afSLBuZ5drIlZi2qNzK2z6RitmYd024XXF5Ts9zPH70AuwqAggqKYHs2yLOu7i&#xd;j  
&  
Vu07NFA0vPE3b4jsy1nauexAuEGUVYfc0NhvJGAN8tnBNTzqHxX2NG2J2LILJQ5&#xd  
;  
K25fnYkvxp+ndJiXi7+MaMNGrH2EAnJW4OKAX2I5sFi0qduWrpY325yV0dVJ0W&#xd;T  
&  
6Zjki+VTr6TR+i4rjvUPzP9gl402a4XYGN5Mm738iQKBgQDRC4pU7Y+jSMDe&#xd;ns9  
&  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
0ZrGEevYi5hPAD7u0xSksbDwvQKBgQDQKmF1LSLY5zHhI2WZ0qpQNTCZrU0c60GZ&#xd  
;  
ydmGinLfbKEK3wbH51MToJ1nkjvn2HERrfJxy+d6t2+qbKCFk3Nk05A2+VOcfyoc&#xd  
;  
bFHnsHpKoK0I0J6YmaJfFpWQbc0Hd1AzYcg7c196FdElZp9zcjatvcJbApP9qf3K&#xd  
;  
7jKFJBPXLwKBgQCVR3hxTXPVVo7kLqvzAIMA7KPCeKWaI0TjQuJ3SmpGUUVuxI+c&#xd  
;  
uto2ZZeTbJkZeglp1YKN1ULm02Dq9B7Q08/UDHbo6gIhsGuQwohJ037ntgohjSC9&#xd  
;  
/7NQWiDls+ESFL2fBzpixwGM4qBPxkbRG009pG6XJJiPUc2esfH76ihAwQKBgC9d&#xd  
;  
dU90Nbmk4XSY2UVm6dnWQHi3M+tAEhUsGJLEbd7RTXtrw984g26z3Rzz6S2X0iJz&#xd  
;
```

```

sfayrrj9hCsDDINYSa1E5Eud76hsRuiwvPI69ZiFdtnKnkuaqZd5TA7Q7RYFz/nh&#xd
;
Be6BEfh1fmFEOIPMOSTPSKnsrD/Lrj0+f0BMNTeBAoGAK02hk7e+104vAj9QDHG2&#xd
;
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
/Tt0usbYfcJBIQio76Z1QUc=&#xd"
    }
},
{
    "id": 2087469,
    "name": "aaaaaaaaaa",
    "description": "aaaaaaaaaa",
    "lastSync": "2023-07-28T09:53:59Z",
    "connectorState": "FINISHED_SUCCESS",
    "type": "OCI",
    "disabled": false,
    "isGovCloudConfigured": false,
    "isDeleted": false,
    "runFrequency": 240,
    "nextSync": "2023-07-28T13:27:13Z",
    "isRemediationEnabled": false,
    "isCPSEnabled": false,
    "connectorAppInfos": {
        "list": [
            "ConnectorAppInfoQList": [
                {
                    "list": [
                        "ConnectorAppInfo": {
                            "name": "CSA",
                            "identifier":
"ocid1.tenancy.oc1..aaaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsrqar6kxn7i
twhk7keokamq"
                            }
                        }
                    ],
                    "list": [
                        "ConnectorAppInfo": {
                            "name": "AI",
                            "identifier":
"ocid1.tenancy.oc1..aaaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsrqar6kxn7i
twhk7keokamq"
                            }
                        }
                    ],
                    "list": [

```

```

        "ConnectorAppInfo": {
            "name": "CI",
            "identifier":
"ocid1.tenancy.oc1..aaaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsrqar6kxn7i
twhk7keokamq"
        }
    }
},
"cloudviewUuid": "a9f64613-8e59-4f32-b94a-3f86cf6e3c23",
"isInstantAssessmentEnabled": false,
"isSnapshotAssessmentEnabled": false,
"homeRegion": "us-ashburn-1",
"authRecord": {
    "tenantId": "ocid1.tenancy.oc1..aaaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsrqar6kxn7i
twhk7keokamq",
    "userId": "ocid1.user.oc1..aaaaaaaaapou2ejjozieglgsve5lojtxgc6t6tf5w7udswqfhfrd
27fm5k3ca",
    "fingerprint": "8a:cd:10:fc:f7:3c:c2:7d:a6:88:27:cb:1a:ad:52:7b",
    "privateKey": "-----BEGIN PRIVATE KEY-----
&#xd; \nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQCP+/vewX+RB
7o0&#xd; \nx7Ii7q4qnPMKL8upZOnqPDGBPfBr8sieWw2cJTSMM8EvBfMD1Y4Z5+utky
anngEF&#xd; \nCZFtPRGWyhftC7jVvSCihwH0K0oRkSpesscuYrj09ramI3MSVz7YPB9
jdsvXDm/s&#xd; \noG0AIm2or54luchTxrauNKIPPVFGDkmjjpBsEjBzcxXLpZE04ecy
ycdHLx4F3uAH&#xd; \nm6zNcSFZo4lqiWJ9BnMWMMARtIp9ZtN4MQqib3ysLC0SAki1F/
ru/8ASuD8STtsRy&#xd; \nuZUYtb8AVxfLcJ/MoS91R56vHOGyDfqQ7ddbCQeSTX/0X
MCqPsthFOHfoJHbd4N&#xd; \nKaWrse2zAgMBAAECggEAONYJZHT8i2iy/GgnFukJkTQ
DS5+pkE0urWRNBTLJpb56&#xd; \n9/9c1/3UsSBI8skhdW9bso0Em6GWTtKif2mA4mM
zQdrspXdypG/TLipnZ0v42nP&#xd; \nafSLBuZ5drIlZi2qNzK2z6RitmYd024XXF5Ts
9zPH70AuwqAggqKYHs2yLOu7iYj&#xd; \nVu07NFA0vPE3b4jsy1nauxAuEGUVYYfc0N
nhvJGAN8tnBNTzqHxX2NG2J2LILJQ5&#xd; \nK25fnYkvxp+ndJiXi7+MaMNGrH2EAnJ
W4OKAX2I5sFi0qduWrpY325yV0dVJ0W9T&#xd; \n6Zjki+VTr6TR+i4rjvUPzP9g1402
a4XYGN5Mm738iQKBgQDRC4pU7Y+jSMDeSns9&#xd; \nPt+J10ZDi/2m86d2zxtcwW5H6
w8kM3Q13dEu0qcgqxXTeAHyVz0xwT/0FnHP+n06&#xd; \nIoili4GPoKmBXtuvYeX8ee
CkIS5At86y5WaTSNMZweWZ5PRK8d9/LRjgmkjrH1GF&#xd; \n0ZrGEevYi5hPAD7u0xS
ksbDwvQKBgQDQKmF1LSLY5zHhI2WZ0qpQNTCZrUOc60GZ&#xd; \nydmGinLfBkEK3wbH
51MToJ1nkjvn2HERrfJxy+d6t2+qbKCFk3Nk05A2+V0cfyoc&#xd; \nbFHnsHpKoK0I0
J6YmaJffPwQbc0Hd1AzYcg7c196FdElZp9zcjatvcJbApP9qf3K&#xd; \n7jKFJBpxLw
KBgQCVR3hxTXPVVo7kLqvzAIMA7KPCeKWaI0TjQuJ3SmpGUUVuxI+c&#xd; \nuto2Ze
TbJkZeglp1YKN1ULm02Dq9B7Q08/UDHbo6gIhsGuQwohJ037ntgohjSC9&#xd; \n/7NQ
WiD1s+ESFL2fBzpixwGM4qBPxkbRG009pG6XJJiPUc2esfH76ihAwQKBgC9d&#xd; \nd
U90Nbmk4XSY2UVm6dnWQHi3M+tAEhUsGJLEbd7RTXtrw984g26z3Rzz6S2X0iJz&#xd;
\nsfayrrj9hCsDDINYSa1E5Eud76hsRuiwvPI69ZiFdtKnkuaqZd5TA7Q7RYFz/nh&#

```

```

xd;\nBe6BEfh1fmFEOIPM0STPSKnsrD/Lrj0+f0BMNTeBAoGAK02hk7e+l04vAj9QDHG
2&#xd;\nYJeEu5IFAQ7jeTAN3qf2zVxorrk+yajv+SFc29vJI8mgaTMrxkw6HvFQZpP8
1THu&#xd;\nuUD8cPzy5YCWrT0kXbfZrMMI0fSZxV1C5VCxpF7SqY1nUct+E6B+bjcPN
YGX1uzH&#xd;\n/Tt0usbYfcJBIQio76Z1QUc=&#xd;\n-----END PRIVATE KEY-----
"
    }
},
{
  "id": 2094517,
  "name": "test-incorrect",
  "lastSync": "2023-07-21T16:55:27Z",
  "lastError": "Error returned by SearchResources operation
in ResourceSearch service.(401 NotAuthenticated false) The required
information to complete authentication was not provided or was
incorrect. (opc-request-id:
40EC2CE9E574499483E68B29F9B4D0C1/E89D2E0712F709375E1",
  "connectorState": "FINISHED_ERRORS",
  "type": "OCI",
  "disabled": false,
  "isGovCloudConfigured": false,
  "isDeleted": false,
  "runFrequency": 240,
  "nextSync": "2023-07-21T20:55:11Z",
  "isCPSEnabled": false,
  "connectorAppInfos": {
    "list": [
      "ConnectorAppInfoQList": [
        {
          "list": [
            "ConnectorAppInfo": {
              "name": "CSA",
              "identifier":
"ocid1.tenancy.oc1..aaaaaaaaaffe7m2cq46gipucityq62uoevyzou3stboiyoev4
26hmy3iq35hd"
            }
          }
        },
        {
          "list": [
            "ConnectorAppInfo": {
              "name": "CI",
              "identifier":
"ocid1.tenancy.oc1..aaaaaaaaaffe7m2cq46gipucityq62uoevyzou3stboiyoev4
26hmy3iq35hd"
            }
          }
        },
        {
          "list": [
            "ConnectorAppInfo": {
              "name": "SAP"
            }
          }
        }
      ]
    }
  }
}

```

```

    "list": [
        "ConnectorAppInfo": {
            "name": "AI",
            "identifier":
"ocid1.tenancy.oc1..aaaaaaaaaffe7m2cq46gipucityq62uoevyzou3stboiyoev4
26hmy3iq35hd"
        }
    ]
},
"cloudviewUuid": "6c5edc30-e26e-4f49-99d1-0f5f86aa7437",
"isInstantAssessmentEnabled": false,
"isSnapshotAssessmentEnabled": false,
"homeRegion": "us-sanjose-1",
"authRecord": {
    "tenantId": "ocid1.tenancy.oc1..aaaaaaaaaffe7m2cq46gipucityq62uoevyzou3stboiyoev4
26hmy3iq35hd",
    "userId": "ocid1.tenancy.oc1..aaaaaaaaaffe7m2cq46gipucityq62uoevyzou3stboiyoev4
26hmy3iq35hd",
    "fingerprint": "asd",
    "privateKey": "-----BEGIN PRIVATE KEY-----
&#xd; \n&#xd; \nMIIEvQIBADANBgkqhkiG9w0BAQEFAASCBKcwgSjAgEAAoIBAQCQgN
tNi7Lhw73M&#xd; \n&#xd; \niBq2l6ghrc93SY04sCeufAKSSLq5PbHwK4HN1VB1YS1
+s0NmKU9zuMdCWUcw0wg&#xd; \n&#xd; \nNLbihCQ8Sr4ubknPxt5cwfHRWRto92svfz
if+oFz04J4YetWBb1sdFn84BU7wAg&#xd; \n&#xd; \nxssfLgXizzr4NR0jqKA6cTrgZ
BCHsv7CxTwzmI0QTCYLcd99Zrj1A3oCHpKeq+iBW&#xd; \n&#xd; \ni1EHmP3BbjGp2F
skx1cgKFr3oCk2B2X/DI/jXGTqxMeX30jEY4zf4LsP301iuhWt&#xd; \n&#xd; \nPocn
yGlXfszZnwaT/22I7rEYmUK9i8PLSKsAOeWyvSBJL9uAw8RGLPZobVx0fttU&#xd; \n&
#xd; \nw/w6cKcdAgMBAAECggEAKXKsdKuzXYp1sGsBrooFkdN3BLI2LaJpX0eZW2F7AI
E4&#xd; \n&#xd; \nP8eGo089xyp1Z+5uTo4QJ5BmGHgPZpamCT7Vjld0xU5zCoJb7ZsP
QO/oWrICaLM/&#xd; \n&#xd; \nLvjCdXC3HO/4Jmt/wybWVhtzJFDz6Gi9UqlxuW+jnX
+Zh9mAkp12x2LU72f+Cxfq&#xd; \n&#xd; \nuj1G0NoapiQuH+JHF10ATYBzAemeCBME
uXUGQj6xyxI798SP1Q4vqgxvvxz88PgE&#xd; \n&#xd; \nuD/rhK70ZuPOutML/sfdAt
+6Fy49gC6Yv5b/DWDBKDaDooUFkJDzyo3q9HPKe1qa&#xd; \n&#xd; \nhw2N/KySBXc6
iRlh+voCAQA/AZxcr6yeannPq460DyQKBgQDA0aDGd5sTWQCMY510&#xd; \n&#xd; \n89
6pw1yqSbBOrUsbK3XXyBQjp1407m7svUetM4pFEqFhumDB0PgLvPILNi5ljM6w&#xd; \
n&#xd; \nhLDJ59sZHBVcFY2pQ8p1TWTY2v5iLo7zJobTryiHW4SoeK6W0UCFu85QgKm
gHEL&#xd; \n&#xd; \njetGdwgHPw12s6iGCcFfYcadPwKBgQC/21dpT3Euk1bpSeFUNX
3Cy0ImZTi9htWo&#xd; \n&#xd; \n1V2nx10j1txb7Nb1uP6o6c+M9AwY7AtzEXIGftQ
f/cR50vmdW1VaW0zmmInua81&#xd; \n&#xd; \n65Fn0GpSTgo13nMwoZZu/Uw2cUIG6Q
MVdoc3k0UUUnw0iVeNnb4Jh0rV7BncnN9cm&#xd; \n&#xd; \nKJQDLnt4owKBgQCYldqC
SSuvXXM9We5JjdeSjIm6LGZ18gdw7iAXqeWbLVb016nc&#xd; \n&#xd; \nVpcXb7IVSd
rs0rhCv7bFLN6rUpvTsgn+7vrIn6EgdDW3c5tWmBZJYVz/l/d1bfGM&#xd; \n&#xd; \n
nkEtNTtTh360XegfwsEboRY1To/g8UZHJD8oYhGIBo+Nu8Wp5FEmAn1K6QKBgEY6&#xd

```

```
; \n&#xd; \ncMD1+aJoozPmfXtL0Wta6C4R44FNOCzr8EqYafnSjvt/aPit7Vp7rCQWuc  
7tqQtI&#xd; \n&#xd; \nGYstFr8S+KgvGNOVqyc+3mCDZObRy9F/t8wnFJRoSMiLU3M7  
00txoVJUhyzsYtqa&#xd; \n&#xd; \ndsjb0fBgfP4RnpqgcQPKE/Ci3z8V68XmGLhJbZ  
0tAoGAfz01xbw7WBxibFNqQZbx&#xd; \n&#xd; \ncklcFPPADSKa+zvZ9Xcj729IzKwk  
z5CMPEbKCbWWPPtqjbM08qrz97td1vf7UcgT&#xd; \n&#xd; \nol0hIRN2jfFmZ028S6q  
20bDb13smujPrSksABVQ12YKBQphCP3IAOCXVWPCwtxuqqg&#xd; \n&#xd; \nWsH+ieB4  
lpeYOYZJq4hwtdg=&#xd; \n&#xd; \n-----END PRIVATE KEY-----"  
    }  
}  
]  
}  
}  
}
```

Delete OCI Connector 3.0

/qps/rest/3.0/delete/am/ociassetdataconnector/

[POST]

Delete one or more OCI connectors from the Connectors application.

Sample - Delete OCI connector

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/azureassetdata  
connector/xxxxxx"
```

Response

```
{  
    "ServiceResponse": {  
        "responseCode": "SUCCESS",  
        "count": 1,  
        "data": {  
            "OciAssetDataConnector": {  
                "id": "xxxxxxxxxx"  
            }  
        }  
    }  
}
```

Run OCI Connector 3.0

/qps/rest/3.0/run/am/ociassetdataconnector

[POST]

The run connector API will fetch the latest changes related to your connector.

Sample - Run OCI Connector

API request

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

Response

```
{  
    "ServiceResponse": {  
        "responseCode": "SUCCESS",  
        "count": 1,  
        "data": {  
            "OciAssetDataConnector": {  
                "id": "xxxxxx"  
            }  
        }  
    }  
}
```

Get OCI Connector Details 3.0

/qps/rest/3.0/get/am/ociassetdataconnector

[GET]

Specify the OCI connector ID to fetch the details of the connector.

Sample - Get OCI Connector Details

API request

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "GET" -  
data-binary  
@"https://qualysapi.qualys.com/qps/rest/3.0/get/am/ociassetdataconne  
ctor/xxxxxx"
```

Response

```
{  
    "ServiceResponse": {  
        "responseCode": "SUCCESS",  
        "count": 1,  
        "data": {  
            "OciAssetDataConnector": {  
                "id": "xxxxxx",  
                "name": "TestConnector2",  
                "description": "Sample oci Connector",  
                "lastSync": "2023-07-26T08:54:51Z",  
                "connectorState": "QUEUED",  
                "type": "OCI",  
                "disabled": false,  
                "isGovCloudConfigured": false,  
                "isDeleted": false,  
                "runFrequency": 240,  
                "nextSync": "2023-07-26T12:54:51Z",  
                "isRemediationEnabled": false,  
                "isCPSEnabled": false,  
                "connectorAppInfos": {  
                    "list": {  
                        "ConnectorAppInfoQLList": [  
                            {  
                                "list": {  
                                    "ConnectorAppInfo": {  
                                        "name": "CSA",  
                                        "value": "1.0.0",  
                                        "order": 1  
                                    }  
                                }  
                            }  
                        ]  
                    }  
                }  
            }  
        }  
    }  
}
```

```

        "identifier": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
        "tagId": "xxxxxxx",
        "tagMetadata": {
            "id": "xxxxxxx",
            "name": "Connector-Tag2",
            "color": "java.awt.Color[r=0,g=204,b=0]"
        }
    }
},
{
    "list": {
        "ConnectorAppInfo": {
            "name": "CI",
            "identifier": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
            "tagId": 8608468,
            "tagMetadata": {
                "id": 8608468,
                "name": "Connector-Tag2",
                "color": "java.awt.Color[r=0,g=204,b=0]"
            }
        }
    }
},
{
    "list": {
        "ConnectorAppInfo": {
            "name": "AI",
            "identifier": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
            "tagId": "xxxxxxx",
            "tagMetadata": {
                "id": "xxxxxxx",
                "name": "Connector-Tag2",
                "color": "java.awt.Color[r=0,g=204,b=0]"
            }
        }
    }
}
],
}
},
{
    "cloudviewUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "isInstantAssessmentEnabled": false,
    "isSnapshotAssessmentEnabled": false,
    "homeRegion": "us-ashburn-1",
}
,
```

```

    "authRecord": {
        "tenantId": "ocid1.tenancy.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
        "userId": "ocid1.user.oc1..xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
        "fingerprint": "8a:xx:10:xx:f7:xx:c2:xx:a6:xx:27:xx:1a:xx:52:xx",
        "privateKey": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
x
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
x7Ii7q4qnPMKL8upZOnqPDGBPfBr8sieWW2cJTSMM8EvBfMD1Y4Z5+utkyanngEF&#xd
;
CZftPRGWyhftC7jVvSCihwH0K0oRkSpesscuYrj09ramI3MSVz7YPB9jdpvXDm/s&#xd
;
oG0AIIm2or54luchTxrauNKIPPVFGDkmjjpBsEjBzcxXLpZE04ecyycdHLx4F3uAH&#xd
;
m6zNcSFZo4lqiwJ9BnMWMARtIp9ZtN4MQqib3ysLC0SAki1F/ru/8ASuD8STtsRy&#xd
;
uZUYtb8AVxfLcJ/MoS91R56vHO GyDfqQ7ddbCQeSTX/0XMCqPsthFOHfoJHbd4N&#xd
;
KaWrse2zAgMBAAECggEAONYJZHT8i2iy/GgnFukJKTQDS5+pkE0urWRNBTLJpb56&#xd
;
9/9c1/3UsSBI8skhdWG9bs0Em6GWTtKif2mA4mMzQdrspXdypG/TLipnZ0v42nP&#xd
;
afSLBuZ5drIlZi2qNzK2z6RitmYd024XXF5Ts9zPH70AuwqAggqKYHs2yLOu7i&#xd; j
&
Vu07NFA0vPE3b4jsy1nauexAuEGUVYfc0NhvJGAN8tnBNTzqHxX2NG2J2LILJQ5&#xd
;
K25fnYkvxp+ndJiXi7+MaMNGrH2EAnJW4OKAX2I5sFi0qduWrpY325yV0dVJ0W&#xd; T
&
6Zjki+VTr6TR+i4rjvUPzP9g1402a4XYGN5Mm738iQKBgQDRC4pU7Y+jSMDe&#xd; ns9
&
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
0ZrGEevYi5hPAD7u0xSksbDwvQKBgQDQKmF1LSLY5zHhI2WZ0qpQNTCZrU0c60GZ&#xd
;
ydmGinLfBkEK3wbH51MToJ1nkjvn2HERrfJxy+d6t2+qbKCFk3Nk05A2+VOcfyoc&#xd
;
bFHnsHpKoK0I0J6YmaJfFpWQbc0Hd1AzYcg7c196FdElZp9zcjatvcJbApP9qf3K&#xd
;
7jKFJBPXLwKBgQCVR3hxTXPVVo7kLqvzAIMA7KPCeKWaI0TjQuJ3SmpGUUVuxI+c&#xd
;
uto2ZZeTbJkZeglp1YKN1ULm02Dq9B7Q08/UDHbo6gIhsGuQwohJ037ntgohjSC9&#xd
;
/7NQWiDls+ESFL2fBzpixwGM4qBPxbRG009pG6XJJiPUc2esfH76ihAwQKBgC9d&#xd
;
```

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```
dU90Nbmk4XSY2UVm6dnWQHi3M+tAEhUsGJLEbd7RTXtrw984g26z3Rzz6S2X0iJz&#xd
;
sfayrrj9hCsDDINYSa1E5Eud76hsRuiwvPI69ZiFdtKnkuaqZd5TA7Q7RYFz/nh&#xd
;
Be6BEfh1fmFEOIPMOSTPSKnsrD/Lrj0+f0BMNTeBAoGAK02hk7e+104vAj9QDHG2&#xd
;
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
/Tt0usbYfCJB1Qio76Z1QUc=&#xd;"
```

}

}

}

}

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 (<code>/api/2.0/fo/subscription/option_profile/vm/?action=list</code>). 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

	<p>format:</p> <p><prefix>-<connectorId>-<timestamp></p>
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 (<code>/api/2.0/fo/subscription/option_profile/vm/?action=list</code>). 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>
```

Snapshot-based Scan

Snapshot-based Assessment

We support the following operations for Snapshot Based Assessment in the Connectors application.

[Register Service Account](#)

[Run Snapshot Scan](#)

[Deregister Service Account](#)

Register Service Account

/conn/snapshot/v1.0/register-service-account

[POST]

Configure your AWS account as a service account to be used for the Snapshot Based scan.

Input Parameter

Parameters	Description
accountId	(Required) Amazon Account Id to register the service account with.
schedule	(Required) The interval where the snapshot scan runs periodically. Format is a cron expression.
tagkey	(Optional) Provide the tag key to filter instances for scans.
tagvalue	(Optional) Provide the tag value to filter instances for scans
tagkey1	(Optional) Provide an additional tag key to filter instances for scans.
tagvalue1	(Optional) Provide an additional tag value to filter instances for scans

Sample 1 - Register a Service Account

API request

```
curl -X 'POST'  
'https://gateway.xxx.xxx.xxxxxx.qualys.com/conn/snapshot/v1.0/registe  
r-service-account' \ -H 'accept: application/json' \ -H 'Content-  
Type: application/json'
```

Request POST data

```
{  
  "accountId": "95xxxxxxxxx75",  
  "schedule": "0 0 2 ? * * *",  
  "tags": [  
    {  
      "tagKey": "Owner",  
      "tagValue": "test"  
    }  
  ]  
}
```

Response

Successfully registered the service account

Error Codes:

Code	Message
200	OK
201	Created
304	Already Registered
400	Incorrect Params or connector is not cloudview
401	Invalid customer or back office entry not exists.
404	Connector not found

Run Snapshot Scan

/conn/snapshot/v1.0/register-scanner-run

[GET]

Run a snapshot scan on all the registered target accounts.

Sample 1 - Run Snapshot Scan

API request

```
curl -X 'GET'  
\'https://gateway.xxx.xxx.xxxxx.qualys.com/conn/snapshot/v1.0/register-scanner-run'\  
-H 'accept: application/json' \  
-H 'Authorization: Bearer XXXXXXXXXXXXXXXXXXXXXXX'
```

Response

```
{  
{  
  "targetAccounts": [  
    {  
      "awsAccountId": "95xxxxxxxxx75",  
      "connectorId": "xxxxxxx"  
    }  
  ],  
  "amis": {  
    "ap-northeast-1": "ami-06xxxxxxxxxxa3",  
    "ap-northeast-2": "ami-05xxxxxxxxxx26",  
    "ap-northeast-3": "ami-07xxxxxxxxxxe7",  
    "ap-south-1": "ami-05xxxxxxxxxxxx02",  
    "ap-southeast-1": "ami-09xxxxxxxxxxf5"  
  }  
}
```

Error Codes:

Code	Message
200	OK

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401	Invalid customer or back office entry not exists.
404	Service account not found
429	Too many requests

Deregister Service Account

/conn/snapshot/v1.0/deregister-service-account

[DELETE]

Deregister your registered service account to disable snapshot based assessment.

Sample 1 - Deregister a Service Account

API request

```
curl -X 'DELETE' \
'https://gateway.xxx.xxx.xxxxxx.qualys.com/conn/snapshot/v1.0/deregister-service-account' \
-H 'accept: */*' \
-H 'Authorization: Bearer XXXXXXXXXXXXXXXXXXXXXXXXX'
```

Response

Successfully deregistered.

Error Codes:

Code	Message
204	Successfully deregistered
404	Service account not found
500	Internal server error

Azure Organization Connectors 3.0

Azure Organization Connectors

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

To run Azure Organization Connectors, your user must have the following permission:

- ASSET.MANAGE_DATA_CONNECTORS

Or, you should be a manager user. Read more about configuring user access and permissions at [TotalCloud Online Help](#).

Azure Organization Connector APIs

[Test Azure Organization Connection](#)

[Get Job Status](#)

[Create Azure Organization Connector](#)

[Edit Azure Organization Connector](#)

[List Azure Organization Connector](#)

[Run Azure Organization Connector](#)

[Get All Azure Management Group](#)

[Get Management Groups Attached to a Connector](#)

[Enable/Disable Azure Organization Connector](#)

[Attach Azure Member Connector](#)

[Detach Azure Member Connector](#)

[Get Valid Organization Connectors To Attach](#)

[Get Attached Member Connectors](#)

[Get Last Job Summary of Organization Connectors](#)

[Delete Azure Organization Connector](#)

Test Azure Organization Connection

/connectors/v1.0/org/azure/test/

[POST]

Specify the Organization connector details of the Azure account to test the connection.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
applicationId	Mandatory	String	Unique identifier of the application you create on Azure portal.
tenantId	Mandatory	String	The Tenant ID of the Azure account of the organization.
secretValue	Mandatory	String	The secret key value generated after you provide permission to the application to access the Windows Azure Service.

Sample: Test Azure Organization connection

API request

```
curl --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/test/'  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Request Data

```
{
```

```
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"secretValue": "xxxxx~xxxxxxxxxx_xxxxxxxxxxxxxxxxxxxxxx"
}
```

Response

```
{
  "responseMessage": null,
  "responseCode": "SUCCESS",
  "jobUuid": "xxxxxxxx-xxxxxxx-xxxxxxxxxxxxxx"
}
```

Get Job Status

/connectors/v1.0/org/azure/job/{jobUuid}

[GET]

An API endpoint to get the status of the Job initiated via test connection. This Job syncs all management groups of the given Tenant from Azure cloud to Qualys database.

Sample: Get Job Status

API request

```
curl --location  
"https://<QualysGatewayURL>/connectors/v1.0/org/azure/job/xxxxxxxx-  
xxxx-xxxx-xxxx-xxxxxxxxxxxx"  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  
}
```

Response

```
{  
    "status": "COMPLETED",  
    "error": null,  
    "createOn": "2023-05-17T07:23:33.061+00:00",  
    "updatedOn": "2023-05-17T07:23:33.467+00:00"  
}
```

Create Azure Organization Connector

/connectors/v1.0/org/azure/

[POST]

A connector API endpoint for creating Microsoft Azure organization connectors.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
applicationId	Mandatory	String	Unique identifier of the application you create on Azure portal.
secretValue	Mandatory	String	The secret key value generated after you provide permission to the application to access the Windows Azure Service.
tenantId	Mandatory	String	The Tenant ID of the Azure account you want to fetch the Management Group.
name	Mandatory	String	A unique name for the organization connector you want to create.
description	Optional	String	Description of the organization connector you

			want to create.
connectorAppInfos	Mandatory	String	It holds the list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can choose one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI-Cloud Inventory, CSA- Cloud Security Assesment.
orgRunFrequency	Mandatory	Integer	runFrequency for an organization connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
connectorRunFrequency	Mandatory	Integer	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
includedMem	Optional	String	List of management groups to include.
excludedMem	Optional	String	List of

			management groups to exclude.
isCreateConnector ForNewSubscriptions Automatically	Optional	Boolean	Boolean to determine whether new connectors should be automatically created for new cloud subscriptions.
isDisableConnectors ForDeletedManagementGroups	Optional	Boolean	Boolean to determine whether connectors should be automatically disabled when a management group is deleted.
autoActivateCertView	Optional	Boolean	Automatically activate CertView application for newly created connectors.
autoActivatePC	Optional	Boolean	Automatically activate Policy Compliance application for newly created connectors.
autoActivateSCA	Optional	Boolean	Automatically activate Security Configuration Assessment application for newly created connectors.
autoActivateVM	Optional	Boolean	Automatically activate

			Vulnerability Management application for newly created connectors.
defaultTagIds	Optional	String	IDs of tags for cloud resources
connectorPrefixName	Mandatory	String	The prefix name for member connectors of the organization. Character limit is 30. Cannot be edited after Org connector is created.
tenantName	Mandatory	String	Name of the Azure Tenant to which the organization belongs.

Sample: Create a New Organization Connector

Create an organization connector for your Azure account.

API request

```
curl --location
"https://<QualysGatewayURL>/connectors/v1.0/org/azure/
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json' \
```

Request Data

```
{
  "name": "Azure Org",
  "description": "azure org connector description",
  "connectorAppInfos": [
    {
      "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
      "name": "AI",
```

```

        "tagId": null
    },
    {
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "name": "CI",
        "tagId": null
    },
    {
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "name": "CSA",
        "tagId": null
    }
],
"isRemediationEnabled": true,
"tenantName": "Tenant name",
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"secretValue": "xxxxx~xxxxxxxxxxxxxxxxxxxxxx_xxxxxxxxxx",
"orgRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"connectorPrefixName": "createdbyorg",
"connectorRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"excludedMem": [],
"includedMem": [
    "TestingManagementGroup"
],
"isCreateConnectorForNewSubscriptionsAutomatically": true,
"isDisableConnectorsForDeletedManagementGroups": true,
"autoActivateCV": false,
"autoActivateCertView": false,
"autoActivatePC": false,
"autoActivateSCA": false,
"autoActivateVM": false,
"defaultTagIds": []
}
}

```

Response

```
{
    "id": "xxxxxx",
    "name": "Azure Org",
    "description": "azure org connector description",
    "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
}
```

```

"orgRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"connectorRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"lastSynced": "2023-05-17T05:19:11.727+00:00",
"nextSync": "2023-05-17T06:19:11.727+00:00",
"type": "AZURE",
"customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userName": "abcde_xxxx",
"lastError": null,
"state": "PENDING",
"connectorPrefixName": "createdbyorg",
"defaultTagIds": [],
"connectorAppInfos": [
    {
        "name": "AI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CSA",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    }
],
"connectorCapabilities": [
    "AI",
    "CI",
    "CSA"
],
"lastSuccessfulSync": "2023-05-17T05:19:11.727+00:00",
"createdBy": "Test User",
"organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",

```

```
"autoActivateVM": false,  
"autoActivatePC": false,  
"autoActivateSCA": false,  
"autoActivateCertView": false,  
"autoActivateCV": false,  
"includedMem": [  
    "TestingManagementGroup"  
,  
    "excludedMem": [],  
    "createConnectorForNewSubscriptionsAutomatically": true,  
    "disableConnectorsForDeletedManagementGroups": true,  
    "disabled": false,  
    "deleted": false,  
    "remediationEnabled": true  
}
```

Edit Azure Organization Connector

/connectors/v1.0/org/azure/{organizationConnectorId}

[POST]

A connector API endpoint to edit the Organization connector. The following fields cannot be edited using the Edit API.

- applicationId
- name
- connectorPrefixName
- identifier
- tenantId
- tenantName

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
applicationId	Mandatory	String	Unique identifier of the application you create on Azure portal.
secretValue	Mandatory	String	The secret key value generated after you provide permission to the application to access the Windows Azure Service.
tenantId	Mandatory	String	The Tenant ID of the Azure account you want to fetch the Management Group.
name	Mandatory	String	A unique name for the organization

			connector you want to create.
description	Optional	String	Description of the organization connector you want to create.
connectorAppInfos	Mandatory	String	It holds the list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can choose one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI-Cloud Inventory, CSA- Cloud Security Assesment.
orgRunFrequency	Mandatory	Integer	runFrequency for an organization connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
connectorRunFrequency	Mandatory	Integer	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.

includedMem	Optional	String	List of management groups to include.
excludedMem	Optional	String	List of management groups to exclude.
isCreateConnectorFor NewSubscriptions Automatically	Optional	Boolean	Boolean to determine whether new connectors should be automatically created for new cloud subscriptions.
isDisableConnectorsFo rDeletedManagement Groups	Optional	Boolean	Boolean to determine whether connectors should be automatically disabled when a management group is deleted.
autoActivateCertView	Optional	Boolean	Automatically activate CertView application for newly created connectors.
autoActivatePC	Optional	Boolean	Automatically activate Policy Compliance application for newly created connectors.
autoActivateSCA	Optional	Boolean	Automatically activate Security Configuration Assesment application for

			newly created connectors.
autoActivateVM	Optional	Boolean	Automatically activate Vulnerability Management application for newly created connectors.
defaultTagIds	Optional	String	IDs of tags for cloud resources
connectorPrefixName	Mandatory	String	The prefix name for member connectors of the organization. Character limit is 30. Cannot be edited after Org connector is created.
tenantName	Mandatory	String	Name of the Azure Tenant to which the organization belongs.

Sample: Edit Azure Organization Connector

API request

```
curl --location 'https://<QualysGatewayURL>
/connectors/v1.0/org/azure/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx' \
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json'
```

Request Data

```
{
  "name": "Azure Org",
  "description": "azure org connector description",
  "connectorAppInfos": [
```

```
{
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "name": "AI",
    "tagId": null
},
{
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "name": "CI",
    "tagId": null
},
{
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "name": "CSA",
    "tagId": null
}
],
"isRemediationEnabled": true,
"tenantName": "Tenant name",
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"secretValue": "xxxxxx~xxxxxxxxxxxxxxxxxxxxxxxxx_xxxxxxxxxx",
"orgRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"connectorPrefixName": "createdbyorg",
"connectorRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"excludedMem": [],
"includedMem": [
    "TestingManagementGroup"
],
"isCreateConnectorForNewSubscriptionsAutomatically": true,
"isDisableConnectorsForDeletedManagementGroups": true,
"autoActivateCV": false,
"autoActivateCertView": false,
"autoActivatePC": false,
"autoActivateSCA": false,
"autoActivateVM": false,
"defaultTagIds": []
}
```

Response

```
{
    "id": xxxxxx,
```

```
"name": "Azure Org",
"description": "azure org connector description",
"uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"orgRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"connectorRunFrequency": {
    "hours": 1,
    "minutes": 0
},
"lastSynced": "2023-05-17T07:56:37.711+00:00",
"nextSync": "2023-05-17T08:56:37.711+00:00",
"type": "AZURE",
"customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userName": "abcde_xxxx",
"lastError": null,
"state": "PENDING",
"connectorPrefixName": "createdbyorg",
"defaultTagIds": [],
"connectorAppInfos": [
    {
        "name": "AI",
        "identifier": "8xxxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CSA",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    }
],
"connectorCapabilities": [
    "AI",
    "CI",
    "CSA"
],
"lastSuccessfulSync": "2023-05-17T07:56:37.711+00:00",
"createdBy": "User",
```

```
"organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"autoActivateVM": false,
"autoActivatePC": false,
"autoActivateSCA": false,
"autoActivateCertView": false,
"autoActivateCV": false,
"includedMem": [
    "TestingManagementGroup"
],
"excludedMem": [],
"createConnectorForNewSubscriptionsAutomatically": true,
"disableConnectorsForDeletedManagementGroups": true,
"disabled": false,
"deleted": false,
"remediationEnabled": true
}
```

List Azure Organization Connector

/connectors/v1.0/org/azure/

[GET]

Get all the available Azure Organization connectors. Use the following tokens in the request header to narrow down your search.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
pageSize	Optional	Integer	The number of records per page to be included in the response.
pageNumber	Optional	Integer	The page to be returned.
query	Optional	String	Use the following tokens in the request header to narrow down your search: <ul style="list-style-type: none"> • id • name • description • status • remediationEnabled • isEnabled • organizationId • tenantId • applicationId

Sample: List All Azure Organization Connectors

API request

```
curl --x "GET" --location 'https://<QualysGatewayURL>
/connectors/v1.0/org/azure/
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxx...' \
--header 'Content-Type: application/json'
```

Response

```
{  
    "currentPage": 0,  
    "currentPageSize": 1,  
    "totalPages": 1,  
    "numberOfElements": 1,  
    "content": [  
        {  
            "id": "xxxxxx",  
            "organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
            "name": "Azure Org",  
            "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
            "type": "AZURE",  
            "state": "FINISHED_SUCCESS",  
            "connectorCapabilities": [  
                "CSA",  
                "CI",  
                "AI"  
            ],  
            "lastSynced": "2023-05-17T07:35:36.638+00:00",  
            "numberOfConnectorsAttached": 0  
        }  
    ],  
    "hasContent": true,  
    "hasNext": false,  
    "hasPrevious": false,  
    "first": true,  
    "last": true  
}
```

Run Azure Organization Connector

/connectors/v1.0/org/azure/run/

[POST]

API to run the Azure organization connector. The run organization connector API will fetch the latest changes related to your organization connector.

During connector run,

If ‘isCreateConnectorForNewSubscriptionsAutomatically’ is set to true, the Organization connector creates member connectors for newly identified subscriptions.

If ‘isDisableConnectorsForDeletedManagementGroups’ is set to true, the Organization connector disables member connectors for deleted subscriptions.

Sample: Run an Organization Connector

API request

```
curl --x "POST" --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/run/'  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Request Data

```
xxxxx,xxxxx
```

Response

```
A total of 2 Organization connectors have been successfully marked  
for running.
```

Get Azure Organization Connector Details

/connectors/v1.0/org/azure/{organizationConnectorId}

[GET]

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

Sample: Find All the Details of an Organization Connector

API request

```
curl --x "GET" --location 'https://<QualysGatewayURL>
/connectors/v1.0/org/azure/xxxxxx \
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json'
```

Response

```
{
  "id": "xxxxxx",
  "name": "Azure Org",
  "description": "azure org connector description",
  "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
  "orgRunFrequency": {
    "hours": 1,
    "minutes": 0
  },
  "connectorRunFrequency": {
    "hours": 1,
    "minutes": 0
  },
  "lastSynced": "2023-05-17T07:35:36.000+00:00",
  "nextSync": "2023-05-17T08:35:36.000+00:00",
  "type": "AZURE",
  "customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
  "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
  "userName": "abcde_xxxx",
  "lastError": null,
  "state": "FINISHED_SUCCESS",
  "connectorPrefixName": "createdbyorg",
  "defaultTagIds": [],
  "connectorAppInfos": [
    {
      "app": "Microsoft Azure"
    }
  ]
}
```

```
        "name": "AI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CSA",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    }
],
"connectorCapabilities": [
    "AI",
    "CI",
    "CSA"
],
"lastSuccessfulSync": "2023-05-17T07:35:36.000+00:00",
"createdBy": "TestUser",
"organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"autoActivateVM": false,
"autoActivatePC": false,
"autoActivateSCA": false,
"autoActivateCertView": false,
"autoActivateCV": false,
"includedMem": [
    "TestingManagementGroup"
],
"excludedMem": [],
"createConnectorForNewSubscriptionsAutomatically": true,
"disableConnectorsForDeletedManagementGroups": true,
"disabled": false,
"deleted": false,
"remediationEnabled": true
}
```

Get All Azure Management Group

/connectors/v1.0/org/azure/management-groups/

[POST]

API to fetch all the Azure management groups for the provided customer accounts.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
tenantId	Mandatory	String	The Tenant ID of the Azure account of the organization.
applicationId	Mandatory	String	Unique identifier of the application you create on Azure portal.
pageSize	Optional	Integer	The number of records per page to be included in the response.
pageNumber	Optional	Integer	The page to be returned.

Sample: Get a Management Group

API request

```
curl --x "POST" --location
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/management-
groups/
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json' \
```

Request POST data

```
{  
    "tenantId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
    "applicationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
}
```

Response

```
{  
    "currentPage": 0,  
    "currentPageSize": 6,  
    "totalPages": 1,  
    "numberOfElements": 6,  
    "content": [  
        "Test",  
        "testing2",  
        "testing3",  
        "testing4",  
        "testing5",  
        "testing6"  
    ],  
    "hasContent": true,  
    "hasNext": false,  
    "hasPrevious": false,  
    "first": true,  
    "last": true  
}
```

Get Management Groups Attached to a Connector

/connectors/v1.0/org/azure/management-groups/{organizationConnectorId}

[GET]

An API endpoint to get all the attached management groups of a provided Azure organization connector.

Sample: Get Attached Management Groups

API request

```
curl --x "GET" --location 'https://<QualysGatewayURL>
"https://qualysapi.qualys.com/connectors/v1.0/org/azure/management-
groups/xxxxxx
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json'
```

Response

```
{
    "includedMembers": [
        "TestingManagementGroup"
    ],
    "excludedMembers": []
}
```

Enable/Disable Azure Organization Connector

/connectors/v1.0/org/azure/status/

[POST]

We are introducing an API endpoint to update the status of an Organization connector. You can toggle between enabling or disabling the Org connector by specifying the action as ENABLE or DISABLE.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
organizationConnectorId	Mandatory	Integer	The ID (s) of the organization connector you want to detach member connector from.

Sample: Enable an Organization Connector

API request

```
curl --x "PUT" --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/status/?action  
=ENABLE  
  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Request POST data

[xxxxxx]

Response

```
{
  "currentPage": 0,
  "currentPageSize": 1,
  "totalPages": 1,
  "numberOfElements": 1,
  "content": [
    {
      "id": "xxxxxx",
      "organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
      "name": "Azure Org",
      "connectorPrefixName": "createdbyorg",
      "runFrequency": "60",
      "connectorRunFrequency": "60",
      "lastSynced": "2023-05-17T07:56:38.051+00:00",
      "customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
      "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
      "userName": "abcde_xxxx",
      "type": "AZURE",
      "lastError": null,
      "isDeleted": false,
      "isDisabled": false,
      "description": "azure org connector description",
      "state": "FINISHED_SUCCESS",
      "nextSync": "2023-05-17T08:56:38.051+00:00",
      "isRemediationEnabled": true,
      "organizationName": "Azure org",
      "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
      "isAssignStaticTagToAssetsPulledByThatConnector": false,
      "isAssignStaticTagToConnectors": false,
      "connectorAppInfos": [
        {
          "name": "AI",
          "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
          "tagId": null,
          "tagMetadata": null
        },
        {
          "name": "CI",
          "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
          "tagId": null,
          "tagMetadata": null
        },
        {
          "name": "CSA",
          "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx"
        }
      ]
    }
  ]
}
```

```

        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    }
],
"defaultTagIds": [],
"memberConfigurations": {
    "includedMembers": [
        "TestingManagementGroup"
    ],
    "excludedMembers": []
},
"createConnectorForNewSubscriptionsAutomatically": true,
"disableConnectorsForDeletedManagementGroups": true,
"createStaticTagsForManagementGroups": false
}],
"hasContent": true,
"hasNext": false,
"hasPrevious": false,
"first": true,
"last": true
}
}
```

Sample: Disable an Organization Connector

API request

```

curl --x "PUT" --location
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/status/?action
=DISABLE

--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json' \
```

Request POST data

```
[xxxxxx]
```

Response

```
{
    "currentPage": 0,
    "currentPageSize": 1,
    "totalPages": 1,
```

```
"numberOfElements": 1,
"content": [
  {
    "id": "xxxxxx",
    "organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
    "name": "Azure Org",
    "connectorPrefixName": "createdbyorg",
    "runFrequency": "60",
    "connectorRunFrequency": "60",
    "lastSynced": "2023-05-17T07:56:38.051+00:00",
    "customerId": "xxxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "userName": "abcde_xxxx",
    "type": "AZURE",
    "lastError": null,
    "isDeleted": false,
    "isDisabled": true,
    "description": "azure org connector description",
    "state": "FINISHED_SUCCESS",
    "nextSync": "2023-05-17T08:56:38.051+00:00",
    "isRemediationEnabled": true,
    "organizationName": "Azure org",
    "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "isAssignStaticTagToAssetsPulledByThatConnector": false,
    "isAssignStaticTagToConnectors": false,
    "connectorAppInfos": [
      {
        "name": "AI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
      },
      {
        "name": "CI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
      },
      {
        "name": "CSA",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
      }
    ]
  }
]
```

```
],
  "defaultTagIds": [],
  "memberConfigurations": {
    "includedMembers": [
      "TestingManagementGroup"
    ],
    "excludedMembers": []
  },
  "createConnectorForNewSubscriptionsAutomatically": true,
  "disableConnectorsForDeletedManagementGroups": true,
  "createStaticTagsForManagementGroups": false
},
"hasContent": true,
"hasNext": false,
"hasPrevious": false,
"first": true,
"last": true
}
```

Attach Azure Member Connector

/connectors/v1.0/azure/attach

[PUT]

An API endpoint to attach a member connector to the specified Azure Organization connector.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
organizationConnectorId	Mandatory	Integer	The ID (s) of the organization connector you want to detach member connector from.
connectorId	Mandatory	Integer	The connectors to attach.

Sample: Attach a Member Connector

API request

```
curl --x "PUT" --location
'https://<QualysGatewayURL>connectors/v1.0/azure/attach'
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json' \
```

Request Data

```
{
  "connectorId" : xxxxxxx,
  "organizationConnectorId": xxxxxxx
```

```
}
```

Response

```
{
    "id": 1204278,
    "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
    "username": "abcde_xxxx",
    "name": "Azure Org",
    "description": "",
    "defaultTagIds": null,
    "state": "FINISHED_SUCCESS",
    "cloudType": "AZURE",
    "isRemediationEnabled": true,
    "isDisabled": true,
    "isDeleted": false,
    "scanUuid": null,
    "activatedModules": [
        "QWEB_VM",
        "CLOUDVIEW"
    ],
    "connectorAppInfos": [
        {
            "name": "AI",
            "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
            "tagId": null,
            "tagMetadata": null
        },
        {
            "name": "CI",
            "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
            "tagId": null,
            "tagMetadata": null
        },
        {
            "name": "CSA",
            "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
            "tagId": null,
            "tagMetadata": null
        }
    ],
    "lastSynced": "2023-05-15T11:53:05.580+00:00",
    "isAttachedToOrgConnector": false,
```

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```
"organizationId": null,  
"organizationConnectorId": null,  
"parentId": null  
}
```

Detach Azure Member Connector

/connectors/v1.0/azure/detach

[PUT]

An API endpoint to detach the member connector from the specified Azure Organization connector.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
organizationConnectorId	Mandatory	Integer	The ID (s) of the organization connector you want to detach member connector from.

Sample: Detach a Member Connector

API request

```
curl --x "PUT" --location  
'https://<QualysGatewayURL>connectors/v1.0/azure/detach'  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Request Data

```
[xxxxxx]
```

Response

```
{  
    "currentPage": 0,  
}
```

```
"currentPageSize": 1,
"totalPages": 1,
"numberOfElements": 1,
"content": [
    {
        "id": 1204278,
        "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
        "username": "abcde_xxxx",
        "name": "Azure Org",
        "description": "",
        "defaultTagIds": null,
        "state": "FINISHED_SUCCESS",
        "cloudType": "AZURE",
        "isRemediationEnabled": true,
        "isDisabled": true,
        "isDeleted": false,
        "scanUuid": null,
        "activatedModules": [
            "QWEB_VM",
            "CLOUDVIEW"
        ],
        "connectorAppInfos": [
            {
                "name": "AI",
                "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
                "tagId": null,
                "tagMetadata": null
            },
            {
                "name": "CI",
                "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
                "tagId": null,
                "tagMetadata": null
            },
            {
                "name": "CSA",
                "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
                "tagId": null,
                "tagMetadata": null
            }
        ],
        "lastSynced": "2023-05-15T11:53:05.580+00:00",
        "isAttachedToOrgConnector": false,
```

```
        "organizationId": null,  
        "organizationConnectorId": null,  
        "parentId": null  
    }  
,  
    "hasContent": true,  
    "hasNext": false,  
    "hasPrevious": false,  
    "first": true,  
    "last": true  
}
```

Delete Azure Organization Connector

/connectors/v1.0/org/azure/{organizationConnectorId}

[DELETE]

An API endpoint to delete an Azure Organization connector. Deleting the Org connector will detach the member connector associated with it.

Sample: Delete an Organization Connector

API request

```
curl --x "DELETE" --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/xxxxxx  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Get Valid Organization Connectors To Attach

/connectors/v1.0/azure/valid-org-connectors/{connectorId}

[GET]

An API endpoint to get all the Organization connectors that are eligible to attach to a member connector.

Input Parameter

Parameter	Mandatory/Optional	Data Type	Description
pageSize	Optional	Integer	The number of records per page to be included in the response.
pageNumber	Optional	Integer	The page to be returned.

Sample: Get List of Valid Organization Connectors

API request

```
curl --location
'https://<QualysGatewayURL>/connectors/v1.0/azure/valid-org-
connectors/xxxxxx'
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \
--header 'Content-Type: application/json' \
```

Response

```
{
    "currentPage": 0,
    "currentPageSize": 1,
    "totalPages": 1,
    "numberOfElements": 1,
    "content": [
        {
            "id": "xxxxxx",
            "organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
```

```

"name": "Azure Org",
"connectorPrefixName": "createdbyorg",
"runFrequency": "60",
"connectorRunFrequency": "60",
"lastSynced": "2023-05-17T07:35:36.638+00:00",
"customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"userName": "abcde_xxxx",
"type": "AZURE",
"lastError": null,
"isDeleted": false,
"isDisabled": false,
"description": "azure org connector description",
"state": "FINISHED_SUCCESS",
"nextSync": "2023-05-17T08:35:36.638+00:00",
"isRemediationEnabled": true,
"organizationName": "Azure org",
"uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",
"isAssignStaticTagToAssetsPulledByThatConnector": false,
"isAssignStaticTagToConnectors": false,
"connectorAppInfos": [
  {
    "name": "AI",
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
    "tagId": null,
    "tagMetadata": null
  },
  {
    "name": "CI",
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
    "tagId": null,
    "tagMetadata": null
  },
  {
    "name": "CSA",
    "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
    "tagId": null,
    "tagMetadata": null
  }
],
"defaultTagIds": [],
"memberConfigurations": {
  "includedMembers": [
    "TestingManagementGroup"
  ],
}

```

```
        "excludedMembers": [],
    },
    "createConnectorForNewSubscriptionsAutomatically": true,
    "disableConnectorsForDeletedManagementGroups": true,
    "createStaticTagsForManagementGroups": false
}
],
"hasContent": true,
"hasNext": false,
"hasPrevious": false,
"first": true,
"last": true
}
```

Get Attached Member Connectors

/connectors/v1.0/org/azure/member-connectors/{organizationConnectorId}

[GET]

An API endpoint to get the list of attached azure member connectors.

Sample: Get List of Member Connectors

API request

```
curl --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/member-connectors/xxxxxx'  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Response

```
{  
    "currentPage": 0,  
    "currentPageSize": 1,  
    "totalPages": 1,  
    "numberOfElements": 1,  
    "content": [  
        {  
            "id": "xxxxxx",  
            "uuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
            "customerId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
            "userUuid": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx",  
            "username": "abcde_xxxx",  
            "name": "AI _Pay-As-You-Go",  
            "description": "",  
            "defaultTagIds": null,  
            "state": "FINISHED_SUCCESS",  
            "cloudType": "AZURE",  
            "isRemediationEnabled": true,  
            "isDisabled": false,  
            "isDeleted": false,  
            "scanUuid": null,  
            "activatedModules": [  
                "CLOUDVIEW"  
            ],  
        },  
    ]  
}
```

```
"connectorAppInfos": [
    {
        "name": "AI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CI",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    },
    {
        "name": "CSA",
        "identifier": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
        "tagId": null,
        "tagMetadata": null
    }
],
"lastSynced": "2023-05-25T06:06:07.493+00:00",
"isAttachedToOrgConnector": true,
"organizationId": "xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx",
"organizationConnectorId": xxxxxx,
"parentId": "/providers/Microsoft.Management/managementG
roups/QAtesting3"
},
],
"hasContent": true,
"hasNext": false,
"hasPrevious": false,
"first": true,
"last": true
}
```

Get Last Job Summary of Organization Connectors

/connectors/v1.0/org/azure/last-job-summary/{organizationConnectorId}

[GET]

An API endpoint to get the last job summary of Azure Organization connector.

Sample: Get Last Job Summary

API request

```
curl --location  
'https://<QualysGatewayURL>/connectors/v1.0/org/azure/last-job-  
summary/xxxxxx'  
--header 'Authorization: Bearer xxxxxxxxxxxxxxxxxxxxxxxx' \  
--header 'Content-Type: application/json' \  

```

Response

```
{  
    "currentPage": 0,  
    "currentPageSize": 1,  
    "totalPages": 1,  
    "numberOfElements": 1,  
    "content": [  
        {  
            "type": null,  
            "errorMsg": "An exception occurred while running Org  
Connector. Contact support to resolve the issue.",  
            "created": "2023-05-08T05:43:57.000+00:00"  
        }  
    ],  
    "hasContent": true,  
    "hasNext": false,  
    "hasPrevious": false,  
    "first": true,  
    "last": true  
}
```