

Cloud Agent API

User Guide

Version 3.10.1

February 15, 2022

Table of Contents

Get Started 5

Cloud Agent API 5

Qualys user account 6

URL to Qualys API server 7

Making API calls 9

Pulling specific data from XML response 11

Supported operators 12

Know your portal version 13

Output pagination and truncation 15

Tracking API usage per user 18

Agents 20

Fetch agent binary information 20

Download agent binaries 26

Agent count 28

List agents 31

Activate a single agent 36

Activate agents in bulk 39

Deactivate a single agent 43

Deactivate agents in bulk 45

Uninstall a single agent 49

Uninstall agents in bulk 51

Use Host Asset API to Uninstall agent 57

Use Host Asset API to Uninstall agents in bulk 62
Activation Keys 69
Get activation key details 69
Search activation keys 71
Create activation key 74
Delete activation key 78
Update activation key 80
Configuration Profiles 85
Get configuration profile details 85
Search configuration profiles 89
Create configuration profile 95
Delete configuration profile 108
Update configuration profile 110
Common Use Cases 116
Get agent asset info for a single agent 116
Get all agents for the account 119
Get count of agents installed 121
Get manifest version for an agent 122
Get all agents not checked-in in last N days 124
Uninstall agents not checked-in in last N days 127
Activate all agents for VM with tag XX 130
Mark an activation key as disabled 133
Search for all activation keys that are disabled 135

Get all agents for an activation key 137

Get Started

Cloud Agent API

The Qualys Cloud Agent API supports managing cloud agents, activation keys and configuration profiles for agents. This API is an extension of the Qualys Asset Management & Tagging API.

Modules supported

CA

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

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 more 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.

Basic authentication - recommended option:

curl -u "USERNAME:PASSWORD"
https://qualysapi.qualys.com/qps/rest/1.0/download/cm/alert

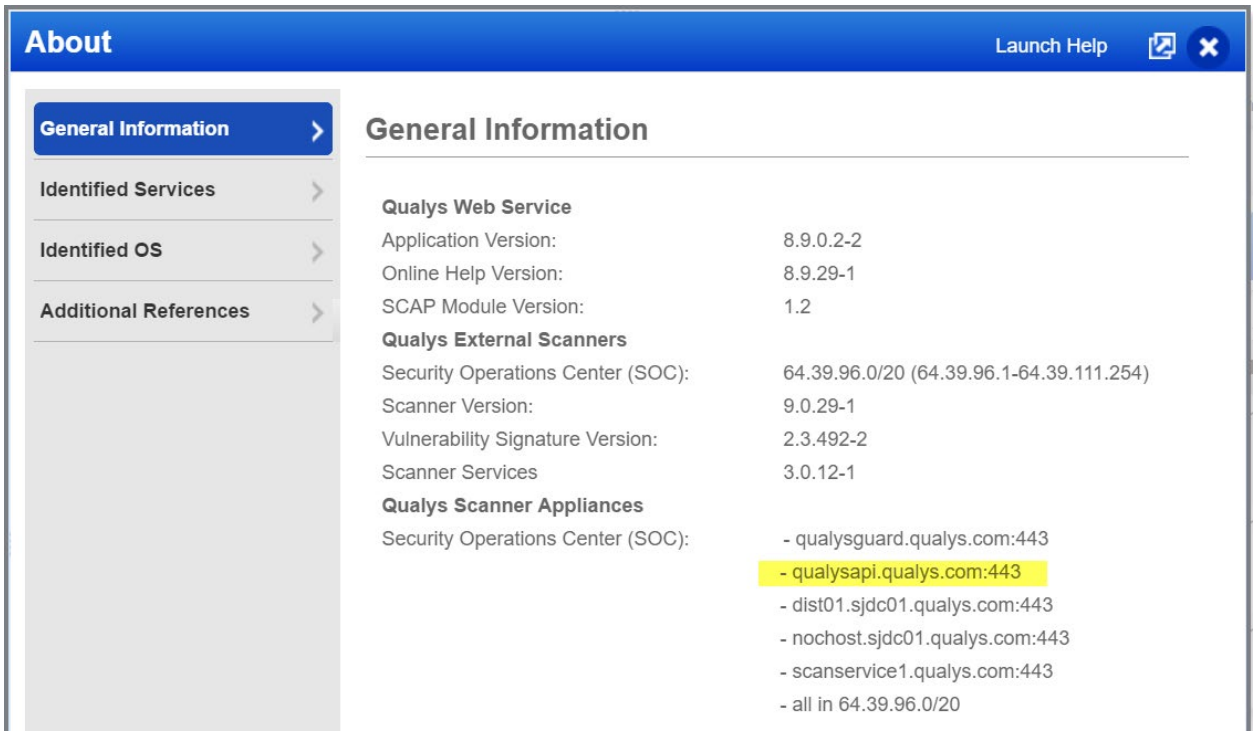
where qualysapi.qualys.com is the base URL to the Qualys API server where your account is located.

URL to Qualys API server

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

Account location	API server URL
Qualys US Platform 1	https://qualysapi.qualys.com
Qualys US Platform 2	https://qualysapi.qg2.apps.qualys.com
Qualys US Platform 3	https://qualysapi.qg3.apps.qualys.com
Qualys EU Platform 1	https://qualysapi.qualys.eu
Qualys EU Platform 2	https://qualysapi.qg2.apps.qualys.eu
Qualys India Platform 1	https://qualysapi.qg1.apps.qualys.in
Qualys Private Cloud Platform	https://qualysapi.<customer_base_url>

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).


About
Launch Help
General Information
Identified Services
Identified OS
Additional References
General 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
Scanner Services 3.0.12-1
Qualys Scanner Appliances
Security Operations Center (SOC): - qualysguard.qualys.com:443
- qualysapi.qualys.com:443
- dist01.sjdc01.qualys.com:443
- nochost.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.

GET and POST Methods

Qualys API unctions allow API users to submit parameters (name=value pairs) using the GET and/or POST method. There are known limits for the amount of data that can be sent using the GET method, and these limits are dependent on the toolkit used. Please refer to the individual descriptions of the API function calls to learn about the supported methods for each function

Parameters in URLs

API parameters, as documented in this user guide, should be specified one time for each URL. In the case where the same parameter is specified multiple times in a single URL, the last parameter takes effect and the previous instances are silently ignored. URL elements are case sensitive.

Date format in API Results

The Qualys API has adopted a date/time format to provide consistency and interoperability of the Qualys API with third-party applications. The date format follows standards published in RFC 3339 and ISO 8601, and applies throughout the Qualys API. The date format is: yyyy-mm-ddThh-mm-ssZ This represents a UTC value (GMT time zone).

URL Encoding in API Code

You must URL encode variables when using the Qualys API. This is standard practice for HTTP communications. If your application passes special characters, like the single quote (‘), parentheses, and symbols, they must be URL encoded. For example, the pound (#) character cannot be used as an input parameter in URLs. If “#” is specified, the Qualys API returns an error. To specify the “#” character in a URL you must enter the encoded value “%23”.

The “#” character is considered by browsers and other Internet tools as a separator between the URL and the results page, so whatever follows an un-encoded “#” character is not passed to the Qualys API server and returns an error.

Making requests with URL payload

While it is still possible to create simple API requests using the GET method, you can create API requests using the POST method with an XML payload to make an advanced request.

The XML payloads can be compared to a scripting language that allows user to make multiple actions within one single API request, like adding a parameter to an object and updating another parameter.

The XML structure of the payload is described in the XSD files.

JSON calls

Qualys Cloud Agent API does not support JSON requests and responses at this time.

Pulling specific data from XML response

An API call can fetch huge amount of data depending on the data (records) present in your account for a corresponding API request. Instead of getting the entire data, if you wish to get only specific elements, you can do so with the use of the ?fields= argument in an API request.

The fields argument takes specific element names as input. You can also provide nested elements with each element in the XPath separated by a dot(.).

For example, while querying for the manifest version for VM, you can provide the argument as follows:

```
?fields=agentInfo.manifestVersion.vm
```

This corresponds to the XML structure shown below.

```
<HostAsset>
   <id>7866685</id>
   <name>ip-172-31-3-82.ap-south-1.compute.internal</name>
   <created>2018-08-01T09:34:44Z</created>
   <modified>2018-08-10T08:39:49Z</modified>
   ...
   <agentInfo>
       ...
       <platform>Linux</platform>
       <activatedModule>AGENT_VM</activatedModule>
       <manifestVersion>
           <vm>VULNSIGS-VM-0.12.1.0-17</vm>
           <pc>VULNSIGS-SCA-0.17.0.0-27</pc>
```

For an example of an API call using the **?fields=** argument, see Get manifest version for an agent.

Supported operators

These filter operators are supported for use with <ServiceRequest> parameters. Keep in mind many API calls support <ServiceRequest> parameters, and some API calls do not support <ServiceRequest> parameters. Please see the description for each API call for details.

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

Important Notes

1) For a bulk request it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

2) Use of NOT EQUALS operator is now disabled during agent uninstall (Uninstall agents in bulk). This is to avoid unintended consequences of Tags or Assets being deleted or updated.

Know your portal version

/qps/rest/portal/version/

[GET] [POST]

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/ve
rsion.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>
            <EDR-VERSION>1.1.0</EDR-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
  }
}
```

Output pagination and truncation

The XML output of a search API request is paginated and the default page size is 100 object records. The page size can be customized to a value between 1 and 1,000. If the number of records is greater than the page size then the <ServiceResponse> element shows the response code SUCCESS with the element <hasMoreRecords>true</hasMoreRecords> as shown below.

Follow the simple process below to obtain the first two the XML pages for an API request. Please apply the same logic to get all the next (n+1) pages until all records are returned. This is indicated when <hasMoreRecords>false</hasMoreRecords>.

Step 1 - Search alerts and get first batch of results

Search for assets that have a name containing the string “Windows”.

API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset” <
file.xml
Note: “file.xml” contains the request POST data.
```

Request POST data

```
<ServiceRequest>
    <preferences>
      <limitResults>5</limitResults>
    </preferences>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud Agent
        </Criteria>
        <Criteria field="name"operator="CONTAINS">Windows
        </Criteria>
    </filters>
</ServiceRequest>
```

The number of records is greater than the default pagination value so the <ServiceResponse> element identifies the last ID of the object in the current page output.

Response

```
<ServiceResponse ...>
   <responseCode>SUCCESS</responseCode>
   <COUNT>5</COUNT>
   <hasMoreRecords>true</hasMoreRecords>
   <lastId>123</lastId>
   <data>
      <!--here you will find 5 asset records-->
   </data>
</ServiceResponse>
```

Step 2 - Search assets and get next batch of results

To get the next page of results, you need to edit your service request in “file.xml” that will be passed to API request as a POST payload. According to the element returned in the first page, you want the next page of results to start with the object ID 124 or greater.

API request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset" <
file.xml
Note: “file.xml” contains the request POST data.
```

You’ll notice the operator field value is set to 123, which is the value returned in <lastId> of the previous page output. The GREATER operator is a logical “greater than” (it does not mean greater than or equal to).

Request POST data

```
<ServiceRequest>
   <preferences>
      <limitResults>5</limitResults>
    </preferences>
   <filters>
```

```
      <Criteria field="name" operator="CONTAINS">Windows</Criteria>
      <Criteria field="id" operator="GREATER">123</Criteria>
      <Criteria field="tagName" operator="EQUALS">Cloud Agent
      </Criteria>
   </filters>
</ServiceRequest>
```

Set custom page size

The service request needs to contain the <preferences> section with the <limitResults> parameter. For the <limitResults> parameter you can enter a value from 1 to 1,000.

Response

```
<ServiceRequest>
  <filters>
    <Criteria> ... </Criteria>
  </filters>
  <preferences>
    <limitResults>200</limitResults>
  </preferences>
</ServiceRequest>
```

Tracking API usage per user

You can track API usage per user without the need to provide user credentials such as the username and password. Contact Qualys Support to get the X-Powered-By HTTP header enabled. Once enabled, the X-Powered-By HTTP header is returned for each API request made by a user. The X-Powered-By value includes a unique ID generated for each subscription and a unique ID generated for each user.

Sample - Tracking API usage through the X-Powered-By HTTP header

API request

```
...
229HTTP/1.1 200 OK
X-Powered-By: Qualys:QAPOD4SJC:f972e2cc-69d6-7ebd-80e6-
7b9a931475d8:06198167-43f3-7591-802a-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-p04-qualysapi
443,VSERVER=vs-p04-papi-80,ACTIVE-SERVICES=2,HEALTH=100
...
```

Once X-Powered-By HTTP header is enabled, information 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

For example:

X-Powered-By: Qualys:QAPOD4SJC:f972e2cc-69d6-7ebd-80e6-7b9a931475d8:06198167-43f3-7591-802a-1c400a0e81b1

You can use the USER_UUID to track API usage per user.

Agents

Fetch agent binary information

/qps/rest/1.0/process/ca/binaryinfo/

[POST]

Fetch the agent installer binary information using API.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and Asset Management Permission “Read Asset”.

Input Parameters

Use these parameters to download an installer binary. Depending on the availability for your platform, you will be able to download a particular installer.

Parameter	Description
platform={value}	(Required) Specify platform type. Valid values are WINDOWS, MACOSX, MACOSX_M_1, LINUX, AIX, LINUX_UBUNTU, LINUX_PPC_64_LE, BSD, SOLARIS_X_86, SOLARIS_SPARC, and LINUX_COREOS If you provide platform value as "ALL" in the request body, information of all the available binaries for all the platforms will be shown in the response. Platform value is case sensitive.
architecture={value}	(Required) Specify platform architecture. Valid values are X_86_64, ARM_64, X_64, POWER_5, SPARC, and PPC_64_LE If you provide architecture value as "ALL" in the request body, information of all the available

binaries for all the architectures will be shown in the response. Architecture value is case sensitive.

For more information on supported platform and architecture, refer to the "Cloud Agent Platform Availability Matrix" section from Cloud Agent Getting Started Guide.

Sample - Fetch binary information for Windows X86_64

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"X-Requested-With: curl" --data-binary @info_binary.xml
"https://qualysapi.qualys.com/qps/rest/1.0/process/ca/binaryinfo/"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <BinaryInfo>
            <platform>WINDOWS</platform>
            <architecture>X_86_64</architecture>
        </BinaryInfo>
    </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/1.
0/ca/binaryinfo.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AllBinaryInfo>
            <platforms>
                <Platform>
                    <name>Windows</name>
                    <version>4.1.0.67</version>
```

```
                    <hash>Hash-SHA-256 :
00fd45af84c28561757d35edee42cb3a8348c2c4008d526f7d57f32c05ad10bc</hash
>
                    <extension>.exe</extension>
                </Platform>
            </platforms>
        </AllBinaryInfo>
    </data>
</ServiceResponse>
```

Sample - Fetch binary information for All platforms/architectures

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"X-Requested-With: curl" --data-binary @info_binary.xml
"https://qualysapi.qualys.com/qps/rest/1.0/process/ca/binaryinfo/"
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <BinaryInfo>
            <platform>ALL</platform>
            <architecture>ALL</architecture>
        </BinaryInfo>
    </data>
</ServiceRequest>
```

Response

```
<?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/1.0/ca/binaryinfo.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>12</count>
    <data>
        <AllBinaryInfo>
            <platforms>
                <Platform>
                    <name>Windows</name>
                    <version>4.1.0.51</version>
```

```
                    <hash>f5c1947925946be884a62aa5dd5f3ba11c3f5b66c394
7070b1272927bbbe08cb</hash>
                    <extension>.exe</extension>
                </Platform>
                <Platform>
                    <name>MACOSX</name>
                    <version>3.7.0.55</version>
                    <hash>Hash-SHA-256 :
15f1db35fe28da613f2acaf295c0e10b2d10fbbcb3030f2097a16f9d827b1511</hash
>
                    <extension>.pkg</extension>
                </Platform>
                <Platform>
                    <name>Linux</name>
                    <version>4.6.0.56</version>
                    <hash>Hash-SHA-256 :
a3ffe919072e6dd048e429c1f443845e321c1105863087c0d4364eb4587c731b</hash
>
                    <extension>.rpm</extension>
                </Platform>
                <Platform>
                    <name>LINUX_ARM</name>
                    <version>4.7.2.7</version>
                    <hash>Hash-SHA-256 :
f6289bfedb902c8a588cf421c98581a6c412683c0d33b80b5d78429b4cc1722e</hash
>
                    <extension>.rpm</extension>
                </Platform>
                <Platform>
                    <name>AIX</name>
                    <version>3.10.0.17</version>
                    <hash>Hash-SHA-256 :
386371c4489e6b7fc9a02289e5071e9b224fdd952937258deb6e7064991a0f1f</hash
>
                    <extension>.bff.gz</extension>
                </Platform>
                <Platform>
                    <name>LINUX_UBUNTU</name>
                    <version>4.6.0.56</version>
                    <hash>Hash-SHA-256 :
b718956f5c6c5b02ab13bb3a6d4e4874c57f85269b04f8d04aaaebb6d2caf9f8</hash
>
                    <extension>.deb</extension>
                </Platform>
                <Platform>
```

```
                    <name>LINUX_UBUNTU_ARM</name>
                    <version>4.7.2.7</version>
                    <hash>Hash-SHA-256 :
57a8ef2d58222242e09c7c6072632aab42e5a9f4a51fa33ed6310c986183a75c</hash
>
                    <extension>.deb</extension>
                </Platform>
                <Platform>
                    <name>LINUX_PPC64LE</name>
                    <version>2.6.8.28</version>
                    <hash>Hash-SHA-256 :
533f093de6549db60af3f515ca99f1975498b32fd08d81b96267d6946be3ffca</hash
>
                    <extension>.rpm</extension>
                </Platform>
                <Platform>
                    <name>BSD</name>
                    <version>3.12.0.6</version>
                    <hash>Hash-SHA-256 :
11f8261a36dd6a208a0914f4a15fedc87be4e6f192458331f43f1dfac371f83a</hash
>
                    <extension>.txz</extension>
                </Platform>
                <Platform>
                    <name>SOLARIS_X86</name>
                    <version>3.11.0.7</version>
                    <hash>Hash-SHA-256 :
e1f8565417a86d17b0a2da500fce9956af188a13661c252f1f02aca7acf0cedf</hash
>
                    <extension>.pkg</extension>
                </Platform>
                <Platform>
                    <name>SOLARIS_SPARC</name>
                    <version>3.11.0.7</version>
                    <hash>Hash-SHA-256 :
c8394acb7548b0ee8fd808e305d65b713afb7e76ecea19fe94ff6b2adee7f990</hash
>
                    <extension>.pkg</extension>
                </Platform>
                <Platform>
                    <name>LINUX_COREOS</name>
                    <version>3.5.0.20</version>
                    <hash>Hash-SHA-256 :
f5700ab7f6d3cd1810d3589fb9b6d01007dc771dc8dea66f8be35e9ad9e3fc3e</hash
>
```

```
                    <extension>.tar.xz</extension>
                </Platform>
            </platforms>
        </AllBinaryInfo>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/binaryInfo.xsd

Download agent binaries

/qps/rest/1.0/download/ca/downloadbinary

[POST]

Download the agent installer binaries using API.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and Asset Management Permission “Read Asset”.

Input Parameters

Use these parameters to download an installer binary. Depending on the availability for your platform, you will be able to download a particular installer.

Parameter	Description
platform={value}	(Required) Specify platform type. Valid values are WINDOWS, MACOSX, MACOSX_M_1, LINUX, AIX, LINUX_UBUNTU, LINUX_PPC_64_LE, BSD, SOLARIS_X_86, SOLARIS_SPARC, and LINUX_COREOS Platform value is case sensitive.
architecture={value}	(Required) Specify platform architecture. Valid values are X_86_64, ARM_64, X_64, POWER_5, SPARC, and PPC_64_LE Architecture value is case sensitive.

For more information on supported platform and architecture, refer to the “Cloud Agent Platform Availability Matrix” section from Cloud Agent Getting Started Guide.

This document provides sample requests and responses to download agent binaries using Curl. You can also use our Postman Collections to download agent binaries.

Sample - Download Windows X86_64 installer binary

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"X-Requested-With: curl" --data-binary @download_binary.xml
"https://qualysapi.qualys.com/qps/rest/1.0/download/ca/downloadbinary/
" --remote-name --remote-header-name
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <DownloadBinary>
            <platform>WINDOWS</platform>
            <architecture>X_86_64</architecture>
        </DownloadBinary>
    </data>
</ServiceRequest>
```

Response (Success)

```
Installer binary will be downloaded with Status: 200 OK
```

Response (Fail)

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/portal-
api/xsd/1.0/ca/downloadbinary.xsd">
    <responseCode>OTHER_ERROR</responseCode>
    <responseErrorDetails>
    <errorMessage>An error occurred during request processing. Please
contact your account manager.</errorMessage>
    </responseErrorDetails>
 </ServiceResponse>
```

Agent count

/qps/rest/2.0/count/am/hostasset

[POST]

Get the current number of cloud agents installed (provisioned) in the user's subscription. This count matches the number of agent hosts in the user's scope.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and Asset Management Permission "Read Asset".

Input Parameters

To get a count of agents installed, nothing other than the filter tagName EQUALS Cloud Agent is recommended. The more filters added to the request will result in a more refined count.

Use the following <ServiceRequest> parameters to select agents you want to include in the agent count. These parameters act as filters. When multiple filters are specified, parameters are combined using a logical AND

Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
id (Long)	Asset ID of the agent host.
name (String)	Asset name of the agent host.
created (Date)	Date when the agent host was added to your asset inventory (i.e. when the agent was provisioned). Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ]

updated (Date)	Date when the agent was last updated, such as activation, host name change, etc. Date is specified in UTC/GMT format.
lastCheckedIn (Date)	Date when the agent last checked in to the cloud platform. Date is specified in UTC/GMT format.
tagName (String)	Asset tag name assigned to the agent host. All agent hosts are assigned the tag Cloud Agent.

Sample - Get cloud agent count

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @get_all_agents_count.xml
"https://qualysapi.qualys.com/qps/rest/2.0/count/am/hostasset"
Note: “file.xml” contains the request POST data.
```

Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

List agents

/qps/rest/2.0/search/am/hostasset

[POST]

List cloud agents in the user's account.

Filter criteria required - To obtain a list of agent assets, it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

Pagination - A maximum of 100 agent assets are returned by default. To customize this specify a “preferences” tag in the POST body of your request. Learn more about pagination

Limit your results - Use the optional “fields” parameter to limit the amount of information returned. Learn more about limiting your results

Permissions required - Managers with full scope. Other users must have requested asset in their scope and these permissions: Access Permission “API Access” and Asset Management Permission “Read Asset”.

Input Parameters

Supported filter operators

Parameter	Description
qwebHostId	(integer)
lastVulnScan	(date)
lastComplianceScan	(date)
informationGatheredUpdated	(date)
os	(text)

dnsHostName	(text)
address	(text)
vulnsUpdated	(date)
id	(integer)
name	(text)
created	(date)
type	(text)
netbiosName	(string)
netbiosNetworkID	(text)
networdGuid	(text)
trackingMethod	(keyword) NONE, IP, DNSNAME, NETBIOS, INSTANCE_ID, QAGENT
port	(integer)
installedSoftware	(text)
tagName	(text)
tagId	(integer)
update	(date)
Assets with cloud agents	
activationKey	(string) Allowed operator: EQUALS
agentConfigurationName	(string) Allowed operators: EQUALS, CONTAINS

agentConfigurationId	(long) Allowed operator: EQUALS
agentVersion	(string) Allowed operators: EQUALS, LESSER, GREATER
lastCheckedIn	(date) Allowed operators: EQUALS, LESSER, GREATER

Sample - List agents

API request

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"  -H
"Cache-Control: no-cache" --data-binary @list_all_agents.xml
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset/"
Note: “file.xml” contains the request POST data.
```

Request POST data

```
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>2</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <HostAsset>
            <id>611872</id>
            <name>113080-T4</name>
            <created>2017-01-12T05:59:47Z</created>
            <modified>2017-05-04T18:41:59Z</modified>
            <type>HOST</type>
```

```
            <tags>
                <list>
                    <TagSimple>
                        <id>8572212</id>
                        <name>mytag</name>
                    </TagSimple>
                    <TagSimple>
                        <id>7584632</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>7730634</id>
                        <name>qa</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
            <qwebHostId>90289</qwebHostId>
            <lastComplianceScan>2017-01-
             13T06:41:34Z</lastComplianceScan>
            <lastSystemBoot>2017-01-13T14:38:09Z</lastSystemBoot>
            <lastLoggedOnUser>CORP\rkumar</lastLoggedOnUser>
            <os>WINDOWS 95 11</os>
            <dnsHostName>113080-t450</dnsHostName>
            <agentInfo>
                <agentVersion>1.5.5.101</agentVersion>
              <agentId>25fdbafc-4b9d-403b-962c-601bac5a6b69</agentId>
                <status>STATUS_INACTIVE</status>
                <lastCheckedIn>2017-01-13T19:18:07Z</lastCheckedIn>
                <connectedFrom>64.39.96.133</connectedFrom>
                <location>Sunnyvale,California United
                 States</location>
                <locationGeoLatitude>37.3537</locationGeoLatitude>
                <locationGeoLongtitude>-
                 122.0307</locationGeoLongtitude>
                <chirpStatus>Manifest Downloaded</chirpStatus>
                <platform>Windows</platform>
                <activatedModule>AGENT_VM</activatedModule>
                <manifestVersion>VULNSIGS-VM-2.3.493-
                 4</manifestVersion>
                <agentConfiguration>
```

```
                    <id>203801</id>
                    <name>Config Created using api-isdefault
                     one149245571382344323</name>
                </agentConfiguration>
                <activationKey>
                    <activationId>dcfab7e9-38c2-4301-8da1-
                     d3ecab9555d5</activationId>
                    <title>1480630093818 key by api count limited to
                    unlimited vm/pv active</title>
                </activationKey>
            </agentInfo>
            <netbiosName>113080-T450</netbiosName>
...
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Activate a single agent

/qps/rest/2.0/activate/am/asset/<id>?module=<value1>,<value2>

[POST]

Activate a single cloud agent for one or more modules (i.e. VM, PC, FIM, EDR, SCA).

Where “id” (Required) is the asset ID of the agent you want to activate. This is the agent ID where the agent is installed.

“module” (Required) is the module to be activated for the agent: AGENT_VM (for VM module), AGENT_PC (for PC module), AGENT_FIM (for FIM module), AGENT_EDR (for EDR module) or AGENT_SCA (for SCA module). Specified module must be enabled in the user’s subscription. You can specify more than one module separated by a comma. For example, module=AGENT_VM,AGENT_PC,AGENT_FIM,AGENT_EDR,AGENT_SCA.

Note: AGENT_PC and AGENT_SCA cannot be activated at the same time as SCA is a subset of PC.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Activate Agent".

Input Parameters

There are no input parameters.

Sample - Activate single agent for VM module

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"X-Requested-With: curl" --data-binary @single_activation.xml
"https://qualysapi.qualys.com/qps/rest/2.0/activate/am/asset/5808297?m
odule=AGENT_VM"
Note: “file.xml” contains the request POST data.
```

Contents of single_activation.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <Asset>
            <id>5808297</id>
            <name>qubu1404spp4</name>
            <created>2018-06-22T11:45:38Z</created>
            <modified>2018-07-21T21:14:26Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>1835835</id>
                        <name>Tag name 1</name>
                    </TagSimple>
                    <TagSimple>
                        <id>2327817</id>
                        <name>Tag name 2</name>
                    </TagSimple>
                    <TagSimple>
                        <id>1828415</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>2079439</id>
                        <name>Tag name 3</name>
                    </TagSimple>
                    <TagSimple>
                        <id>1855817</id>
                        <name>Tag name 4</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
```

```
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Activate agents in bulk

/qps/rest/2.0/activate/am/asset?module=<value1>,<value2>

[POST]

Bulk activates cloud agents for one or more modules (i.e. VM, PC, FIM, EDR, SCA).

Where “module” (Required) is the module to be activated for the agent: AGENT_VM (for VM module), AGENT_PC (for PC module), AGENT_FIM (for FIM module), AGENT_EDR (for EDR module) or AGENT_SCA (for SCA module). Specified module must be enabled in the user’s subscription. You can specify more than one module separated by a comma. For example, module=AGENT_VM,AGENT_PC,AGENT_FIM,AGENT_EDR,AGENT_SCA.

Note: AGENT_PC and AGENT_SCA cannot be activated at the same time as SCA is a subset of PC.

Filter criteria required - For a bulk request it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Activate Agent”.

Input Parameters

To activate all agents installed, nothing other than the filter tagName EQUALS Cloud Agent is recommended. The more filters added to the request we’ll activate a more refined list of agents.

Use the following <ServiceRequest> parameters to select agents you want to activate. These parameters act as filters. When multiple filters are specified, parameters are combined using a logical AND.

Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
id (Long)	Asset ID of the agent host.
name (String)	Asset name of the agent host.
created (Date)	Date when the agent host was added to your asset inventory (i.e. when the agent was provisioned). Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ]
updated (Date)	Date when the agent was last updated, such as activation, host name change, etc. Date is specified in UTC/GMT format.
tagName (String)	Asset tag name assigned to the agent host. All agent hosts are assigned the tag Cloud Agent.

Sample - Bulk activate agents for VM, FIM

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @activate_all_agents.xml
"https://qualysapi.qualys.com/qps/rest/2.0/activate/am/asset?module=AG
ENT_VM,AGENT_FIM"
Note: “file.xml” contains the request POST data.
```

Contents of activate_all_agents.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2014-06-18T16:54:50Z</created>
            <modified>2014-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532638</id>
            <name>10.40.2.176</name>
            <created>2015-04-17T13:32:48Z</created>
            <modified>2015-05-14T14:06:03Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
```

```
        </Asset>
        <Asset>
            <id>2532838</id>
            <name>local IP agent</name>
            <created>2017-04-19T13:52:08Z</created>
            <modified>2018-02-05T12:26:48Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>217325</id>
                        <name>Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Deactivate a single agent

/qps/rest/2.0/deactivate/am/asset/<id>?module=<value1>,<value2>

[POST]

Deactivate a single cloud agent for one or more modules (i.e. VM, PC, FIM, EDR, SCA)

Where:

“id” (Required) is the asset ID of the agent you want to deactivate. This is the agent ID where the agent is installed.

“module” (Required) is the module to be deactivated: AGENT_VM (for VM module), AGENT_PC (for PC module), AGENT_FIM (for FIM module), AGENT_EDR (for EDR module) or AGENT_SCA (for SCA module). Specified module must be enabled in the user’s subscription. You can specify more than one module separated by a comma. For example, module=AGENT_VM,AGENT_PC,AGENT_FIM,AGENT_EDR,AGENT_SCA.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Deactivate Agent”.

Input Parameters

There are no input parameters.

Sample - Deactivate single agent for VM module

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" --
data-binary @single_deactivation.xml
"https://qualysapi.qualys.com/qps/rest/2.0/deactivate/am/asset/5214017
?module=AGENT_VM"
Note: “file.xml” contains the request POST data.
```

Contents of single_deactivation.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/2.
0/am/asset.xsd">
   <responseCode>SUCCESS</responseCode>
   <count>1</count>
   <data>
       <Asset>
           <id>5214017</id>
           <name>113080-T450</name>
           <created>2017-04-12T07:23:41Z</created>
           <modified>2017-04-19T07:07:12Z</modified>
           <type>HOST</type>
           <tags>
               <list>
                   <TagSimple>
                       <id>7584632</id>
                       <name>Cloud Agent</name>
                   </TagSimple>
               </list>
           </tags>
           <sourceInfo>
               <list>
                   <AssetSource/>
               </list>
           </sourceInfo>
       </Asset>
   </data>
</ServiceResponse>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Deactivate agents in bulk

/qps/rest/2.0/deactivate/am/asset?module=<value1>,<value2>

[POST]

Bulk deactivate cloud agents for one or more modules (i.e. VM, PC, FIM, EDR, SCA).

Where “module” (Required) is the module to be deactivated for the agent: AGENT_VM (for VM module), AGENT_PC (for PC module), AGENT_FIM (for FIM module), AGENT_EDR (for EDR module) or AGENT_SCA (for SCA module). Specified module must be enabled in the user’s subscription. You can specify more than one module separated by a comma. For example, module=AGENT_VM,AGENT_PC,AGENT_FIM,AGENT_EDR, AGENT_SCA.

Filter criteria required - For a bulk request it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Deactivate Agent”.

Input Parameters

To deactivate all agents installed, nothing other than the filter tagName EQUALS Cloud Agent is recommended. The more filters added to the request we’ll deactivate a more refined list of agents.

Use the following <ServiceRequest> parameters to select agents you want to deactivate. These parameters act as filters. When multiple filters are specified, parameters are combined using a logical AND.

Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description

id (Long)	Asset ID of the agent host.
name (String)	Asset name of the agent host.
created (Date)	Date when the agent host was added to your asset inventory (i.e. when the agent was provisioned). Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ]
updated (Date)	Date when the agent was last updated, such as activation, host name change, etc. Date is specified in UTC/GMT format.
tagName (String)	Asset tag name assigned to the agent host. All agent hosts are assigned the tag Cloud Agent.

Sample - Bulk deactivate agents for VM, FIM

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @deactivate_all_agents.xml
"https://qualysapi.qualys.com/qps/rest/2.0/deactivate/am/asset?module=
AGENT_VM,AGENT_FIM"
Note: “file.xml” contains the request POST data.
```

Contents of deactivate_all_agents.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/asset.xsd">
```

```
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2018-06-18T16:54:50Z</created>
            <modified>2018-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532638</id>
            <name>10.40.2.176</name>
            <created>2018-04-17T13:32:48Z</created>
            <modified>2018-05-14T14:06:03Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532838</id>
```

```
            <name>local IP agent</name>
            <created>2017-04-19T13:52:08Z</created>
            <modified>2018-02-05T12:26:48Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>217325</id>
                        <name>Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Uninstall a single agent

/qps/rest/2.0/uninstall/am/asset/<id>

[POST]

Uninstall a single cloud agent and remove the associated agent host from your subscription.

Where “id” (Required) is the asset ID of the agent you want to uninstall. This is the asset ID where the agent is installed.

Good to Know - A request to uninstall an agent makes a call to the Qualys Cloud Platform to purge the host scan data (findings) for the agent host and remove the agent host from your subscription.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Uninstall Agent".

Input Parameters

There are no input parameters.

Sample - Uninstall single agent

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" --
data-binary @single_uninstall.xml
"https://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/asset/1113679"
```

Contents of single_uninstall.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
       <count>1</count>
   <data>
       <Asset>
           <id>1113679</id>
           <name>113080-T450</name>
           <created>2018-03-09T02:24:53Z</created>
           <modified>2018-03-09T02:24:54Z</modified>
           <type>HOST</type>
           <tags>
               <list>
                   <TagSimple>
                       <id>7563812</id>
                       <name>Cloud Agent</name>
                   </TagSimple>
               </list>
           </tags>
       </Asset>
   </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Uninstall agents in bulk

/qps/rest/2.0/uninstall/am/asset

[POST]

Bulk uninstall cloud agents matching the specified filter criteria, and remove associated agent hosts from your subscription.

Filter criteria required - For a bulk request it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

Note: Proving at least one criteria in Service Request is mandatory for bulk uninstallation of agents.

Good to Know - A request to uninstall agents makes a call to the Qualys Cloud Platform to purge the host scan data (findings) for the agent hosts and remove the agent hosts from your subscription

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Uninstall Agent”.

Input Parameters

To uninstall all agents, nothing other than the filter tagName EQUALS Cloud Agent is recommended. The more filters added to the request we’ll uninstall a more refined list of agents.

Use the following <ServiceRequest> parameters to select agents you want to uninstall. These parameters act as filters. When multiple filters are specified, parameters are combined using a logical AND.

Filter operators are available for use with <ServiceRequest> parameters.

Use of NOT EQUALS operator is now disabled during agent uninstall. This is to avoid unintended consequences of Tags or Assets being deleted or updated. The service response includes an error message if you use the NOT EQUALS operator while uninstalling an agent.

Supported filter operators

Parameter	Description
id (Long)	Asset ID of the agent host.
name (String)	Asset name of the agent host.
created (Date)	Date when the agent host was added to your asset inventory (i.e. when the agent was provisioned). Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ]
updated (Date)	Date when the agent was last updated, such as activation, host name change, etc. Date is specified in UTC/GMT format.
tagName (String)	Asset tag name assigned to the agent host. All agent hosts are assigned the tag Cloud Agent.
agentUuid (String)	Agent ID (UUID) of the Agent host.

Sample - Uninstall agents in bulk

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @uninstall_all_agents.xml
"http://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/asset/"
```

Contents of uninstall_all_agents.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2014-06-18T16:54:50Z</created>
            <modified>2014-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532638</id>
            <name>10.40.2.176</name>
            <created>2017-04-17T13:32:48Z</created>
            <modified>2017-05-14T14:06:03Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
```

```
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532838</id>
            <name>local IP agent</name>
            <created>2018-04-19T13:52:08Z</created>
            <modified>2018-02-05T12:26:48Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>217325</id>
                        <name>Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

In case of agent UUID, use the EQUALS operator for uninstalling a single agent or use the IN operator with comma separated UUID values for bulk uninstall.

Sample API Request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @uninstall_all_agents.xml
"http://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/asset/"

Note: “file.xml” contains the request POST data.

Request POST data: (Contents of file.xml)
<?xml version="1.0" encoding="UTF-8" ?>
```

```
<ServiceRequest>
    <filters>
        <Criteria field="agentUuid" operator="IN">1d71c07e-f1b0-42df-
918b-01b231489b86,0285fead-0014-465e-8840-6457ad482bb3</Criteria>
    </filters>
</ServiceRequest>
```

Note: Use the EQUALS operator for uninstalling a single agent or use the IN operator with comma separated UUID values for bulk uninstall.

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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>2</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2017-06-18T16:54:50Z</created>
            <modified>2018-04-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532638</id>
            <name>10.40.2.176</name>
            <created>2017-04-17T13:32:48Z</created>
            <modified>2017-05-14T14:06:03Z</modified>
            <type>HOST</type>
```

```
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Use Host Asset API to Uninstall agent

/qps/rest/2.0/uninstall/am/hostasset/<id>

[POST]

You can use the Host Asset API to uninstall a single cloud agent and remove the associated agent host from your subscription.

Where “id” (Required) is the asset ID of the agent you want to uninstall. This is the asset ID where the agent is installed.

Good to Know - A request to uninstall an agent makes a call to the Qualys Cloud Platform to purge the host scan data (findings) for the agent host and remove the agent host from your subscription.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Uninstall Agent".

Input Parameters

There are no input parameters.

Sample - Uninstall single agent

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" --
data-binary @single_uninstall.xml
"https://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/hostasset/6851
120"
```

Contents of single_uninstall.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/2.
0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <HostAsset>
            <id>6851120</id>
            <name>shwetas-Mac-mini.local</name>
            <created>2018-03-07T11:43:26Z</created>
            <modified>2018-03-08T06:49:56Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>8652821</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>8654616</id>
                        <name>DT_Port</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
            <qwebHostId>672160</qwebHostId>
            <lastComplianceScan>2018-03-
               08T01:20:28Z</lastComplianceScan>
            <lastVulnScan>2018-03-08T06:20:10Z</lastVulnScan>
            <lastSystemBoot>2018-02-06T06:00:24Z</lastSystemBoot>
            <lastLoggedOnUser>root</lastLoggedOnUser>
            <os>Mac OS X 10.11.6</os>
            <dnsHostName>shwetas-Mac-mini.local</dnsHostName>
            <agentInfo>
                <agentVersion>1.7.0.64</agentVersion>
                <agentId>2b79e576-201b-49b9-9d2a-
                 8e5cb70bfdcd</agentId>
                <status>STATUS_ACTIVE</status>
```

```
            <lastCheckedIn>2018-03-08T06:49:55Z</lastCheckedIn>
            <connectedFrom>10.113.196.203</connectedFrom>
            <chirpStatus>Inventory Scan Complete</chirpStatus>
            <platform>MACOSX</platform>
        <activatedModule>AGENT_VM,AGENT_PC</activatedModule>
            <manifestVersion>VULNSIGS-2.4.281.2-
              1</manifestVersion>
            <agentConfiguration>
                <id>432001</id>
                <name>Test_abc</name>
            </agentConfiguration>
            <activationKey>
                <activationId>fc8aa44e-6e6d-492d-ae06-
                  08e1676901ff</activationId>
                <title>Test_abc</title>
            </activationKey>
         </agentInfo>
         <netbiosName>MACMINI-3BFD26</netbiosName>
         <address>10.113.196.203</address>
         <trackingMethod>QAGENT</trackingMethod>
         <manufacturer>Apple Inc.</manufacturer>
         <model>Macmini7,1</model>
         <totalMemory>8192</totalMemory>
         <timezone>+05:30</timezone>
         <biosDescription>Macmini7,1, MM71.0224.B00,
            2.24f32</biosDescription>
         <openPort>
            <list>
                <HostAssetOpenPort>
                    <port>49558</port>
                    <protocol>TCP</protocol>
                </HostAssetOpenPort>
                <HostAssetOpenPort>
                    <port>22</port>
                    <protocol>TCP</protocol>
                </HostAssetOpenPort>
                ...
            </list>
         </software>
         <vuln>
            <list>
                <HostAssetVuln>
                    <qid>105145</qid>
            <hostInstanceVulnId>139552720</hostInstanceVulnId>
                    <firstFound>2018-03-
```

```
                    07T12:18:20Z</firstFound>
                    <lastFound>2018-03-08T06:20:10Z</lastFound>
                </HostAssetVuln>
                <HostAssetVuln>
                    <qid>124557</qid>
                <hostInstanceVulnId>139552721</hostInstanceVulnId>
                    <firstFound>2018-03-
                    07T12:18:20Z</firstFound>
                    <lastFound>2018-03-08T06:20:10Z</lastFound>
                </HostAssetVuln>
                ...
            </list>
        </vuln>
        <processor>
            <list>
                <HostAssetProcessor>
                    <name>Intel Core i5</name>
                    <speed>2600</speed>
                </HostAssetProcessor>
            </list>
        </processor>
        <volume>
            <list>
                <HostAssetVolume>
                    <name>/</name>
                    <size>975312896</size>
                    <free>104348560</free>
                </HostAssetVolume>
            </list>
        </volume>
        <account>
            <list>
                <HostAssetAccount>
                    <username>_mbsetupuser</username>
                </HostAssetAccount>
                <HostAssetAccount>
                    <username>_uucp</username>
                </HostAssetAccount>
                ...
            </list>
        </account>
        <networkInterface>
            <list>
                <HostAssetInterface>
                    <interfaceName>en0</interfaceName>
```

```
                        <macAddress>38:c9:86:3b:fd:26</macAddress>
                        <type>LOCAL</type>
                        <address>fe80:0:0:0:0:0:0:1</address>
                       <gatewayAddress>10.113.196.1</gatewayAddress>
                    </HostAssetInterface>
                    <HostAssetInterface>
                        <hostname>shwetas-Mac-mini.local</hostname>
                        <interfaceName>en0</interfaceName>
                        <macAddress>38:c9:86:3b:fd:26</macAddress>
                        <type>LOCAL</type>
                        <address>10.113.196.203</address>
                      <gatewayAddress>10.113.196.1</gatewayAddress>
                    </HostAssetInterface>
                    ...
                </list>
            </networkInterface>
        </HostAsset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Use Host Asset API to Uninstall agents in bulk

/qps/rest/2.0/uninstall/am/hostasset

[POST]

If you want to filter using more parameters, you can use the Host Asset API to bulk uninstall cloud agents matching the specified filter criteria, and remove associated agent hosts from your subscription.

Filter criteria required - For a bulk request it is mandatory to add this filter criteria in <ServiceRequest>:

<Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>

Note: Proving at least one criteria in Service Request is mandatory for bulk uninstallation of agents.

Good to Know - A request to uninstall agents makes a call to the Qualys Cloud Platform to purge the host scan data (findings) for the agent hosts and remove the agent hosts from your subscription.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Agent Permission “Uninstall Agent”.

Input Parameters

To uninstall all agents, nothing other than the filter tagName EQUALS Cloud Agent is recommended. The more filters added to the request we’ll uninstall a more refined list of agents.

Use the following <ServiceRequest> parameters to select agents you want to uninstall. These parameters act as filters. When multiple filters are specified, parameters are combined using a logical AND.

Filter operators are available for use with <ServiceRequest> parameters.

Use of NOT EQUALS operator is now disabled during agent uninstall. This is to avoid unintended consequences of Tags or Assets being deleted or

updated. The service response includes an error message if you use the NOT EQUALS operator while uninstalling an agent.

Supported filter operators

Parameter	Description
qwebHostId	(integer)
lastVulnScan	(date)
lastComplianceScan	(date)
informationGatheredUpdated	(date)
os	(text)
dnsHostName	(text)
address	(text)
vulnsUpdated	(date)
id	(integer)
name	(text)
created	(date)
type	(text)
netbiosName	(string)
netbiosNetworkID	(text)
networdGuid	(text)
trackingMethod	(keyword) NONE, IP, DNSNAME, NETBIOS, INSTANCE_ID, QAGENT

port	(integer)
installedSoftware	(text)
tagName	(text)
tagId	(integer)
update	(date)
Assets with cloud agents	
activationKey	(string) Allowed operator: EQUALS
agentConfigurationName	(string) Allowed operators: EQUALS, CONTAINS
agentConfigurationId	(long) Allowed operator: EQUALS
agentVersion	(string) Allowed operators: EQUALS, LESSER, GREATER
lastCheckedIn	(date) Allowed operators: EQUALS, LESSER, GREATER
agentUuid	(string) Agent ID (UUID) of the Agent host.

Sample - Uninstall agents in bulk

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @uninstall_all_agents.xml
"http://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/hostasset/"
```

Contents of uninstall_all_agents.xml

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

```
    <filters>
        <Criteria field="trackingMethod"
         operator="EQUALS">QAGENT</Criteria>
        <Criteria field="type" operator="EQUALS">HOST</Criteria>
        <Criteria field="tagName" operator="EQUALS">Cloud
         Agent</Criteria>
        <Criteria field="lastVulnScan" operator="GREATER">2018-03-
         08T05:16:56Z</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/2.
0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <HostAsset>
            <id>6851120</id>
            <name>shwetas-Mac-mini.local</name>
            <created>2018-03-07T11:43:26Z</created>
            <modified>2018-03-08T06:49:56Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>8652821</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>8654616</id>
                        <name>DT_Port</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
```

```
            <qwebHostId>672160</qwebHostId>
            <lastComplianceScan>2018-03-
               08T01:20:28Z</lastComplianceScan>
            <lastVulnScan>2018-03-08T06:20:10Z</lastVulnScan>
            <lastSystemBoot>2018-02-06T06:00:24Z</lastSystemBoot>
            <lastLoggedOnUser>root</lastLoggedOnUser>
            <os>Mac OS X 10.11.6</os>
            <dnsHostName>shwetas-Mac-mini.local</dnsHostName>
            <agentInfo>
                <agentVersion>1.7.0.64</agentVersion>
                <agentId>2b79e576-201b-49b9-9d2a-
                 8e5cb70bfdcd</agentId>
                <status>STATUS_ACTIVE</status>
                <lastCheckedIn>2018-03-08T06:49:55Z</lastCheckedIn>
                <connectedFrom>10.113.196.203</connectedFrom>
                <chirpStatus>Inventory Scan Complete</chirpStatus>
                <platform>MACOSX</platform>
           <activatedModule>AGENT_VM,AGENT_PC</activatedModule>
                <manifestVersion>VULNSIGS-2.4.281.2-
                  1</manifestVersion>
                <agentConfiguration>
                    <id>432001</id>
                    <name>Test_abc</name>
                </agentConfiguration>
                <activationKey>
                    <activationId>fc8aa44e-6e6d-492d-ae06-
                      08e1676901ff</activationId>
                    <title>Test_abc</title>
                </activationKey>
            </agentInfo>
            <netbiosName>MACMINI-3BFD26</netbiosName>
            <address>10.113.196.203</address>
            <trackingMethod>QAGENT</trackingMethod>
            <manufacturer>Apple Inc.</manufacturer>
            <model>Macmini7,1</model>
            <totalMemory>8192</totalMemory>
            <timezone>+05:30</timezone>
            <biosDescription>Macmini7,1, MM71.0224.B00,
                2.24f32</biosDescription>
            <openPort>
                <list>
                    <HostAssetOpenPort>
                        <port>49558</port>
                        <protocol>TCP</protocol>
                    </HostAssetOpenPort>
```

```
                <HostAssetOpenPort>
                    <port>22</port>
                    <protocol>TCP</protocol>
                </HostAssetOpenPort>
                ...
            </list>
        </software>
        <vuln>
            <list>
                <HostAssetVuln>
                    <qid>105145</qid>
            <hostInstanceVulnId>139552720</hostInstanceVulnId>
                    <firstFound>2018-03-
                    07T12:18:20Z</firstFound>
                    <lastFound>2018-03-08T06:20:10Z</lastFound>
                </HostAssetVuln>
                <HostAssetVuln>
                    <qid>124557</qid>
             <hostInstanceVulnId>139552721</hostInstanceVulnId>
                    <firstFound>2018-03-
                     07T12:18:20Z</firstFound>
                    <lastFound>2018-03-08T06:20:10Z</lastFound>
                </HostAssetVuln>
                ...
            </list>
        </vuln>
        <processor>
            <list>
                <HostAssetProcessor>
                    <name>Intel Core i5</name>
                    <speed>2600</speed>
                </HostAssetProcessor>
            </list>
        </processor>
        <volume>
            <list>
                <HostAssetVolume>
                    <name>/</name>
                    <size>975312896</size>
                    <free>104348560</free>
                </HostAssetVolume>
            </list>
        </volume>
        <account>
            <list>
```

```
                    <HostAssetAccount>
                        <username>_mbsetupuser</username>
                    </HostAssetAccount>
                    <HostAssetAccount>
                        <username>_uucp</username>
                    </HostAssetAccount>
                    ...
                </list>
            </account>
            <networkInterface>
                <list>
                    <HostAssetInterface>
                        <interfaceName>en0</interfaceName>
                        <macAddress>38:c9:86:3b:fd:26</macAddress>
                        <type>LOCAL</type>
                        <address>fe80:0:0:0:0:0:0:1</address>
                       <gatewayAddress>10.113.196.1</gatewayAddress>
                    </HostAssetInterface>
                    <HostAssetInterface>
                        <hostname>shwetas-Mac-mini.local</hostname>
                        <interfaceName>en0</interfaceName>
                        <macAddress>38:c9:86:3b:fd:26</macAddress>
                        <type>LOCAL</type>
                        <address>10.113.196.203</address>
                      <gatewayAddress>10.113.196.1</gatewayAddress>
                    </HostAssetInterface>
                    ...
                </list>
            </networkInterface>
        </HostAsset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Activation Keys

Get activation key details

/qps/rest/1.0/get/ca/agentactkey/<id>

[GET] [POST]

Returns details on a selected activation key in the user's account.

Where "id" (Required) is the activation key ID of interest.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Activation Key Permission "View Activation Key".

Input Parameters

There are no input parameters.

Sample - View details on activation key

API request

```
curl -X GET -H "X-Requested-With: curl" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Cache-Control: no-cache"
"https://qualysapi.qualys.com/qps/rest/1.0/get/ca/agentactkey/25002"
```

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/1.
0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentActKey>
            <id>25002</id>
```

```
            <activationKey>dc5e51f9-89de-47e2-ad35-
26d5ee0f865d</activationKey>
            <status>ACTIVE</status>
            <countPurchased>0</countPurchased>
            <countUsed>0</countUsed>
            <datePurchased>2015-10-05T23:05:42Z</datePurchased>
            <type>UNLIMITED</type>
            <isDisabled>false</isDisabled>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <tags>
                <list>
                    <Tag>
                        <id>522325</id>
                        <name>Temp Tag</name>
                    </Tag>
                </list>
            </tags>
            <agents>
                <list/>
            </agents>
            <ownerId>364812443</ownerId>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Search activation keys

/qps/rest/1.0/search/ca/agentactkey/

[POST]

Returns details on activation keys in the user's account.

Pagination - A maximum of 100 activation keys are returned by default. To customize this specify a "preferences" tag in the POST body of your request. Learn more about pagination

Limit your results - Use the optional "fields" parameter to limit the amount of information returned. Learn more about limiting your results

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Activation Key Permission "View Activation Key".

Input Parameters

Use the following <ServiceRequest> parameters to filter the list. Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
countPurchased (Integer)	(optional if type is COUNT_LIMITED or COUNT_TIME_LIMITED) Search for keys with number of keys purchased. Value is 1 or more.
activationKey (String)	(optional) Search for agents using a certain key.
id (number)	(optional) Search for keys with a certain key ID.
isDisabled (boolean)	(optional) Set to true to search for disabled keys. By default is set to false.

Sample - Search activation keys

API request

```
curl -u username:password -X POST -H "X-Requested-With: curl" -H
"Content-Type: text/xml" -H "Cache-Control: no-cache" --data-binary
@get_all_keys.xml
"https://qualysapi.qualys.com/qps/rest/1.0/search/ca/agentactkey/"
Note: “get_all_keys.xml” contains the request POST data.
```

Contents of get_all_keys.xml

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

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/portal-
api/xsd/1.0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>9</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AgentActKey>
            <id>4689401</id>
            <activationKey>64849169-2d44-4e65-af90-
07a499f9c54f</activationKey>
            <status>ACTIVE</status>
            <countPurchased>0</countPurchased>
            <countUsed>6</countUsed>
            <datePurchased>2021-08-27T08:07:06Z</datePurchased>
            <type>UNLIMITED</type>
            <networkId>0</networkId>
            <isDisabled>false</isDisabled>
            <applyOnAgents>true</applyOnAgents>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>PC_LICENSE</license>
                    </ActivationKeyModule>
                </list>
            </modules>
```

```
            <tags>
                <list>
                    <Tag>
                        <id>16802774</id>
                        <name>Tag02</name>
                    </Tag>
                </list>
            </tags>
            <agentCount>6</agentCount>
            <suspendSelfPatch>false</suspendSelfPatch>
        </AgentActKey>
        <AgentActKey>
            <id>4899401</id>
            <activationKey>e4c270a0-bc67-4311-81f3-
eaeb256c749f</activationKey>
            <status>ACTIVE</status>
            <countPurchased>0</countPurchased>
            <countUsed>2</countUsed>
            <datePurchased>2021-10-26T11:45:50Z</datePurchased>
            <type>UNLIMITED</type>
            <title>Test Key IBM_updat</title>
            <networkId>0</networkId>
            <isDisabled>false</isDisabled>
            <applyOnAgents>true</applyOnAgents>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>PM</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <agentCount>2</agentCount>
            <suspendSelfPatch>false</suspendSelfPatch>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Create activation key

/qps/rest/1.0/create/ca/agentactkey/

[POST]

Create an activation key.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Activation Key Permission “Create Activation Key”.

Input Parameters

These <ServiceRequest> parameters are used to create an activation key. Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
type (string)	(required) Key type. Valid is one of: UNLIMITED, COUNT_LIMITED, TIME_LIMITED, COUNT_TIME_LIMITED
countPurchased (Integer)	(required if type is COUNT_LIMITED or COUNT_TIME_LIMITED) Number of keys purchased. Value is 1 or more.
expireDate (Date)	(required if type is TIME_LIMITED or COUNT_TIME_LIMITED) Key expiration date. Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ
modules (string)	(optional) Provision one or more modules for this key. Value is one of: VM_LICENSE, PC_LICENSE, SCA, PM, SA, FIM, EDR
tags (string)	(optional) Add tags to this key. These tags will be

added to agents installed with key.

Sample - Create activation key

API request

```
curl -X POST -H "Content-Type: text/xml" -H "X-Requested-With: curl" -
H "Authorization: Basic AbcdAbcdAbcdAbcdAbcd" -H "Cxml" -H "Cache-
Control: no-cache" --data-binary @key_create.xml
"https://qualysapi.qualys.com/qps/rest/1.0/create/ca/agentactkey/"
Note: “key_create.xml” contains the request POST data.
```

Contents of key_create.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <AgentActKey>
            <title>example create from api</title>
            <countPurchased>0</countPurchased>
            <expireDate>2016-12-05T23:05:42Z</expireDate>
            <type>UNLIMITED</type>
            <ownerId>364812443</ownerId>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>PC_LICENSE</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>SCA</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>PM</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>SA</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>FIM</license>
                    </ActivationKeyModule>
```

```
                    <ActivationKeyModule>
                        <license>EDR</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <tags>
                <list>
                    <Tag>
                        <id>522325</id>
                        <name>Temp Tag</name>
                    </Tag>
                </list>
            </tags>
         </AgentActKey>
    </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/1.
0/ca/agentactkey.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <AgentActKey>
      <id>59001</id>
      <activationKey>548ec9eb-9ee4-45d9-aa2f-
f3083983bf3c</activationKey>
      <status>ACTIVE</status>
      <countPurchased>0</countPurchased>
      <countUsed>0</countUsed>
      <datePurchased>2016-09-07T14:48:15Z</datePurchased>
      <type>UNLIMITED</type>
      <title>example key create from api</title>
      <isDisabled>false</isDisabled>
      <modules>
        <list>
             <ActivationKeyModule>
                 <license>VM_LICENSE</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>PC_LICENSE</license>
             </ActivationKeyModule>
```

```
            <ActivationKeyModule>
                <license>SCA</license>
            </ActivationKeyModule>
            <ActivationKeyModule>
                <license>PM</license>
            </ActivationKeyModule>
            <ActivationKeyModule>
                <license>SA</license>
            </ActivationKeyModule>
            <ActivationKeyModule>
                <license>FIM</license>
            </ActivationKeyModule>
            <ActivationKeyModule>
                 <license>EDR</license>
            </ActivationKeyModule>
        </list>
      </modules>
      <tags>
        <list>
          <Tag>
            <id>522325</id>
            <name>Temp Tag</name>
          </Tag>
        </list>
      </tags>
      <ownerId>364812443</ownerId>
    </AgentActKey>
  </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Delete activation key

/qps/rest/1.0/delete/ca/agentactkey/<id>

[POST]

Delete an activation key in the user's account. It's not possible to delete a key that has active agents associated with it.

Where "id" (Required) is the ID of the activation key to be deleted.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Activation Key Permission "Delete Activation Key".

Input Parameters

There are no input parameters.

Sample - Delete activation key

API request

```
curl -u fo_username:password -X POST -H "X-Requested-With: curl" -H
"Content-Type: text/xml" -H "Cache-Control: no-cache" --data-binary
@delete_key.xml
"https://qualysapi.qualys.com/qps/rest/1.0/delete/ca/agentactkey/59001
"
Note: "delete_key.xml" contains the request POST data.
```

Contents of delete_key.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
</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/1.
0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentActKey>
            <id>59001</id>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Update activation key

/qps/rest/1.0/update/ca/agentactkey/<id>

[POST]

Update an activation key in the user's account.

Where "id" (Required) is the ID of the activation key to be updated.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Activation Key Permission "Edit Activation Key".

Input Parameters

These <ServiceRequest> parameters are used to update an activation key. Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
id (Integer)	(required) ID of activation key to be updated.
type (string)	(required) Key type. Valid is one of: UNLIMITED, COUNT_LIMITED, TIME_LIMITED, COUNT_TIME_LIMITED
countPurchased (Integer)	(required if type is COUNT_LIMITED or COUNT_TIME_LIMITED) Number of keys purchased. Value is 1 or more.
expireDate (Date)	(required if type is TIME_LIMITED or COUNT_TIME_LIMITED) Key expiration date. Date is specified in UTC/GMT format, i.e. YYYY-MM-DD[THH:MM:SSZ
modules (string)	(optional) Provision one or more modules for this key.

	Value is one of: VM_LICENSE, PC_LICENSE, SCA, PM, SA, EDR, FIM
tags (string)	(optional) Add tags to this key. These tags will be added to agents installed with key.
isDisabled (boolean)	(optional) Set to true to disable or false to keep active.
applyOnAgents (boolean)	(optional) Set to true to apply changes in the update request to all existing agents. Changes include tags, licenses and limits. By default set to false and changes are not applied to all existing agents.

Sample - Update activation key

API request

```
curl -X POST -H "X-Requested-With: curl" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Content-Type: text/xml" -H "Cache-Control:
no-cache" --data-binary @key_update.xml
"https://qualysapi.qualys.com/qps/rest/1.0/update/ca/agentactkey/6201"
Note: “key_update.xml” contains the request POST data.
```

Contents of key_update.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <AgentActKey>
            <id>6201</id>
            <title>example key updated from api</title>
            <countPurchased>0</countPurchased>
            <expireDate>2016-12-05T23:05:42Z</expireDate>
            <type>UNLIMITED</type>
            <ownerId>364812443</ownerId>
            <applyOnAgents>true</applyOnAgents>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
```

```
                    <ActivationKeyModule>
                        <license>PC_LICENSE</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>SCA</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>PM</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>SA</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>FIM</license>
                    </ActivationKeyModule>
                    <ActivationKeyModule>
                        <license>EDR</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <tags>
                <list>
                    <Tag>
                        <id>522325</id>
                        <name>Temp Tag</name>
                    </Tag>
                </list>
            </tags>
        </AgentActKey>
    </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/1.
0/ca/agentactkey.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <AgentActKey>
      <id>6201</id>
      <title>example key updated from api</title>
```

```
      <activationKey>548ec9eb-9ee4-45d9-aa2f-
f3083983bf3c</activationKey>
      <status>ACTIVE</status>
      <countPurchased>0</countPurchased>
      <countUsed>0</countUsed>
      <datePurchased>2016-09-07T14:48:15Z</datePurchased>
      <type>UNLIMITED</type>
      <title>example key create from api</title>
      <isDisabled>false</isDisabled>
      <applyOnAgents>true</applyOnAgents>
      <modules>
        <list>
          <ActivationKeyModule>
                 <license>VM_LICENSE</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>PC_LICENSE</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>SCA</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>PM</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>SA</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                 <license>FIM</license>
             </ActivationKeyModule>
             <ActivationKeyModule>
                  <license>EDR</license>
             </ActivationKeyModule>
        </list>
      </modules>
      <tags>
        <list>
          <Tag>
            <id>522325</id>
            <name>Temp Tag</name>
          </Tag>
        </list>
      </tags>
    <ownerId>364812443</ownerId>
    </AgentActKey>
```

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

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Configuration Profiles

Get configuration profile details

/qps/rest/1.0/get/ca/agentconfig/<id>

[GET] [POST]

Returns details on a selected configuration profile in the user's account.

Where "id" (Required) is the ID of the configuration profile of interest.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Configuration Profile Permission "View Configuration Profile".

Input Parameters

There are no input parameters.

Sample - View details on configuration profile

API request

```
curl -X GET -H "X-Requested-With: curl" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Content-Type: text/xml" -H "Cache-Control:
no-cache"
"https://qualysapi.qualys.com/qps/rest/1.0/get/ca/agentconfig/9000"
```

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/1.
0/ca/agentconfig.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentConfig>
```

```
            <id>9000</id>
            <name>suspend</name>
            <isDefault>0</isDefault>
            <createdDate>2017-01-16T14:55:43Z</createdDate>
            <createdBy>Alex Kim (quays_ak12)</createdBy>
            <tags>
                <includeTags>
                    <list>
                        <ConfigTag>
                            <id>256926</id>
                            <uuid>fe2ff339-e262-4cf4-a12d-
85daed5fc6ae</uuid>
                            <name>My Tag</name>
                        </ConfigTag>
                    </list>
                </includeTags>
                <includeResolution>ANY</includeResolution>
                <excludeTags/>
                <tagSetUuid>f11e09bf-3e7e-4780-ae00-
211f33660d6f</tagSetUuid>
            </tags>
            <suspendScanning>true</suspendScanning>
            <priority>12</priority>
            <totalAgents>1</totalAgents>
            <blackoutConfig>
                <settings>
                    <list/>
                </settings>
            </blackoutConfig>
            <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                         <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key>
                            <value>5</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                          <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
```

```
                        <key>AGENT_LOGGING_LEVEL</key>
                        <value>Verbose</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                       <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>THROTTLE_EVENT_SCAN</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_CHECK_REVOCATION</key>
                        <value>3600</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                      <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                     <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                       <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                        <value>0</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_STATUS</key>
                        <value>900</value>
                      </PerformanceLevelSettings>
                      <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_CONFIG</key>
```

```
                            <value>0</value>
                        </PerformanceLevelSettings>
                    </list>
                </settings>
            </performanceProfile>
        </AgentConfig>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd

Search configuration profiles

/qps/rest/1.0/search/ca/agentconfig/

[POST]

Returns details on configuration profiles in the user's account.

Pagination - A maximum of 100 configuration profiles are returned by default. To customize this specify a "preferences" tag in the POST body of your request. Learn more about pagination

Limit your results - Use the optional "fields" parameter to limit the amount of information returned. Learn more about limiting your results

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Configuration Profile Permission "View Configuration Profile".

Input Parameters

Use the following <ServiceRequest> parameters to filter the list. Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
name (string)	(optional) Search for configuration profile with a given name.
id (Integer)	(optional) Search for configuration profile with a given configuration profile ID.

Sample - Search configuration profiles

API request

```
curl -u fo_username:password -X POST -H "X-Requested-With: curl" -H
"Content-Type: text/xml" -H "Cache-Control: no-cache" --data-binary
@get_all_config.xml
"https://qualysapi.qualys.com/qps/rest/1.0/search/ca/agentconfig/"
Note: “get_all_config.xml” contains the request POST data.
```

Contents of get_all_config.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
</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/1.
0/ca/agentconfig.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>14</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AgentConfig>
            <id>8099</id>
            <name>Initial Profile - SSN3</name>
            <isDefault>1</isDefault>
            <createdDate>2015-06-09T22:29:51Z</createdDate>
            <description>Platform Default Config</description>
            <suspendScanning>false</suspendScanning>
            <totalAgents>0</totalAgents>
            <blackoutConfig>
                <settings>
                    <list/>
                </settings>
            </blackoutConfig>
            <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
                            <value>1800</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key
>
```

```
                            <value>5</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>1024</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>AGENT_LOGGING_LEVEL</key>
                            <value>Verbose</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                            <value>10</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key
>
                            <value>3600</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_SCAN</key>
                            <value>10</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</ke
y>
                            <value>1024</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</k
ey>
                            <value>3600</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                            <value>300</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key
>
                            <value>120</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                            <value>10</value>
```

```
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_STATUS</key>
                            <value>900</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CONFIG</key>
                            <value>3600</value>
                        </PerformanceLevelSettings>
                    </list>
                </settings>
            </performanceProfile>
        </AgentConfig>
        <AgentConfig>
            <id>9000</id>
            <name>suspend</name>
            <isDefault>0</isDefault>
            <createdDate>2016-02-16T14:55:43Z</createdDate>
            <createdBy>Chintan Shah (bhart_cs)</createdBy>
            <suspendScanning>true</suspendScanning>
            <priority>
                <priority>12</priority>
            </priority>
            <totalAgents>1</totalAgents>
            <blackoutConfig>
                <settings>
                    <list/>
                </settings>
            </blackoutConfig>
            <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key
>
                            <value>10</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
```

```
                        <PerformanceLevelSettings>
                            <key>AGENT_LOGGING_LEVEL</key>
                            <value>Verbose</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key
>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_SCAN</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CHECK_REVOCATION</key>
                            <value>3600</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</ke
y>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</k
ey>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key
>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
```

```
                            <key>INTERVAL_EVENT_STATUS</key>
                            <value>900</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CONFIG</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                    </list>
                </settings>
            </performanceProfile>
        </AgentConfig>
...
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd

Create configuration profile

/qps/rest/1.0/create/ca/agentconfig/

[POST]

Create a configuration profile.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission “API Access” and CA Configuration Profile Permission “Create Configuration Profile”.

Input Parameters

These <ServiceRequest> parameters are used to create/update a configuration profile. Filter operators are available for use with <ServiceRequest> parameters.

Supported filter operators

Parameter	Description
name (string)	(required for create and update request) Name of configuration profile.
description (string)	(optional) Description of configuration profile.
priority (Integer)	(invalid for create request; optional for update request) Priority of configuration profile in relation to other profiles. Defaults to last maximum priority. (If priority is specified for a create request, the profile will not be created.) Example: If there are 3 configuration profiles a new profile added without priority will be given priority 4.
isDefault (Integer)	(required for create request; optional for update request) Defaults to 0, i.e. configuration profile not

	set as the default in the user's account. Set to 1 to set the configuration profile as the default.
suspendScanning (boolean)	(optional) Defaults to false, i.e. the Suspend Scanning feature is not enabled. Set to true to enable the Suspend Scanning feature.
preventAgentUpdate (boolean)	(optional) Defaults to false, i.e. the Prevent Agent Update feature is not enabled. Set to true to enable the Prevent Agent Update feature.
inMemoryDbEnabled (boolean)	(optional) Defaults to false, i.e. the In-Memory SQLite Databases feature is not enabled. Set to true to enable the In-Memory SQLite Databases feature.
tags (string)	(required for create request; optional for update request) Tags for the configuration profile.
blackoutConfig (string)	(optional) Blackout configuration for the configuration profile.
performanceProfile (string)	(required for create request; optional for update request) Performance profile configuration blocks using parameters below.
id (Integer)	(required for update request; invalid for create request) ID of the configuration profile you want to update.

Parameters for all agent OS and versions

Parameter	Description
INTERVAL_EVENT_STATUS	Agent Status Interval - Consolidated interval an agent requests information from the platform. Range: 300-86,400 seconds.

	Recommended: 600 for High performance, 1800 for Normal performance, 2400 for Low performance.
INTERVAL_EVENT_UPLOAD_CHANGELIST	Delta Upload Interval - Interval an agent attempts to upload detected changes. Range: 1-1800 seconds. Recommended: 1 for High performance, 5 for Normal performance, or 10 for Low performance.
FILE_UPLOAD_FRAGMENT_SIZE_IN_KB	Chunk Sizes for File Fragment Uploads - The upload block size, and combined with Delta Upload Interval, determines network utilization. Range: 64-10,240 KB. Recommended: 4096 for High performance, 2048 for Normal performance, 1024 for Low performance.
INTERVAL_EVENT_EXECUTE_SETUP	Upgrade Reattempt Interval - Interval (in seconds) an agent checks the platform for a new upgrade, if configured to do so. Range: 180 seconds or more. Recommended: 300 for Low performance or Normal performance, 180 for High performance.
AGENT_LOGGING_LEVEL	Logging level for agent - The amount and detail of log messages generated by the agent. Value can be Verbose, Info (i.e.

	informational), Warn (i.e. Warning), Error or None. Recommended: Verbose for all performance levels.

Windows specific parameters (versions 1.5 and above)

Parameter	Description
CPU_LIMIT	CPU Limit - Defines the percentage limit of the processor core(s) used by the agent; lower percentages reduces CPU utilization at the expense of longer execution times. Range: 2-100%. Recommended: 80 for High performance, 20 for Normal performance, 5 for Low performance.

Linux/Mac specific parameters (versions 1.6 and above)

Parameter	Description
THROTTLE_EVENT_SCAN	CPU Throttle - Tunes the amount of processing used by the CPU by introducing delays between agent executions: the higher the value, the less CPU utilized at the expense of longer execution times. Range: 0-1,000 milliseconds. Recommended: 0 for High performance, 10 for Normal performance, 20 for Low performance.

Legacy parameters - deprecated for new agents

(Used for Windows 1.4 and below, and Linux/Mac 1.5 and below) These parameters are deprecated for new agents, but still used by older agent versions.

Parameter	Description

INTERVAL_EVENT_DOWNLOAD_SNAPSHOT	Delta Confirmation Interval - Interval an agent checks platform for confirmation that changes were processed. Range: 60 seconds or more. Recommended: 60 for High performance, 120 for Normal performance, 300 for Low performance.
INTERVAL_EVENT_DOWNLOAD_MANIFEST	Manifest Download Interval - Interval an agent checks platform for new instruction manifests. Range: 60 seconds or more. Recommended: 60 for High performance, 3600 for Normal performance, 10800 for Low performance.
INTERVAL_EVENT_CONFIG	Configuration Download Interval - Interval an agent checks platform for new configuration profiles. Range: 60 seconds or more. Recommended: 60 for High performance, 3600 for Normal performance, 10800 for Low performance.
THROTTLE_EVENT_COMM_UPLOAD	Network throttle Rx - The higher this value (in ms), the slower agent attempts to download from the

	platform; this combines with the download chunk size to determine network utilization. Range: 0-200 milliseconds. Recommended: 0 for High performance, 10 for Normal performance, 20 for Low performance.
THROTTLE_EVENT_COMM_DOWNLOAD	Network throttle Tx - The higher this value (in ms), the slower agent attempts to upload to the platform; this combines with the upload chunck size to determine network utilization. Range: 0-200 milliseconds. Recommended: 0 for High performance, 10 for Normal performance, 20 for Low performance.
FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB	Chunk sizes for file fragment downloads - The download block size (in KB), and combined with Network throttle Rx, determines network utilization. Range: 64 or more KB. Recommended: 1024 for all performance levels.
INTERVAL_EVENT_CHECK_REVOCATION	Revocation Interval - Interval an agent

	checks platform to see if it should uninstall itself. Range: 3600 seconds or more. Recommended: 3600 for all performance levels.
INTERVAL_EVENT_PROVISION	Provisioning Interval - Interval an agent attempts to self repair by reprovisioning with platform. Range: 60 seconds or more. Recommended: 900 for all performance levels.
INTERVAL_EVENT_DOWNLOAD_SELF_PATCH	Upgrade Check Interval - Interval an agent checks platform for a new upgrade. Range: 300 seconds or more. Recommended: 300 for High performance, 3600 for Normal performance, 10800 for Low performance.

Sample - Create configuration profile

API request

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Xurl" -H "Cache-Control: no-cache" --data-
binary @config_create.xml
"https://qualysapi.qualys.com/qps/rest/1.0/create/ca/agentconfig/"

Note: “config_create.xml” contains the request POST data.
```

Contents of config_create.xml

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

```
<data>
    <AgentConfig>
        <name>Config profile created using api</name>
        <description>done using api</description>
        <priority></priority>
        <isDefault>0</isDefault>
        <suspendScanning>false</suspendScanning>
        <tags>
            <includeTags>
                <list>
                    <ConfigTag>
                        <id>6332818</id>
                        <name>Tag1</name>
                    </ConfigTag>
                </list>
            </includeTags>
            <includeResolution>ANY</includeResolution>
            <excludeTags></excludeTags>
            <excludeResolution>ANY</excludeResolution>
        </tags>
        <blackoutConfig>
            <settings>
                <list>
                    <BlackoutConfig>
                        <startHour>10</startHour>
                        <endHour>16</endHour>
                        <monday>0</monday>
                        <tuesday>0</tuesday>
                        <wednesday>1</wednesday>
                        <thursday>0</thursday>
                        <friday>0</friday>
                        <saturday>0</saturday>
                        <sunday>0</sunday>
                    </BlackoutConfig>
                </list>
            </settings>
        </blackoutConfig>
        <performanceProfile>
            <settings>
                <list>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_PROVISION</key>
                        <value>60</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
```

```
                            <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key
>
                            <value>60</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>666</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>AGENT_LOGGING_LEVEL</key>
                            <value>Verbose</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>CPU_LIMIT</key>
                            <value>20</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                            <value>100</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key
>
                            <value>200</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_SCAN</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>

                            <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>1024</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
                        <value>900</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                        <value>222</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
                        <value>66</value>
```

```
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                        <value>0</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_STATUS</key>
                        <value>1000</value>
                    </PerformanceLevelSettings>
                    <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_CONFIG</key>
                        <value>66</value>
                    </PerformanceLevelSettings>
                </list>
            </settings>
        </performanceProfile>
    </AgentConfig>
</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/1.
0/ca/agentconfig.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentConfig>
            <id>151889</id>
            <name>Config profile created using api</name>
            <isDefault>0</isDefault>
            <createdDate>2017-02-20T09:35:04Z</createdDate>
            <createdBy>My Name</createdBy>
            <description>done using api</description>
            <tags>
                <includeTags/>
                <includeResolution>ANY</includeResolution>
                <excludeTags/>
                <tagSetUuid>f5edf058-c55b-40b8-bc32-
                94959ca4304c</tagSetUuid>
            </tags>
            <suspendScanning>false</suspendScanning>
            <preventAgentUpdate>false</preventAgentUpdate>
```

```
            <totalAgents>0</totalAgents>
            <blackoutConfig>
                <settings>
                    <list>
                        <BlackoutConfig>
                            <startHour>10</startHour>
                            <endHour>16</endHour>
                            <monday>0</monday>
                            <tuesday>0</tuesday>
                            <wednesday>1</wednesday>
                            <thursday>0</thursday>
                            <friday>0</friday>
                            <saturday>0</saturday>
                            <sunday>0</sunday>
                        </BlackoutConfig>
                    </list>
                </settings>
            </blackoutConfig>
            <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
                            <value>60</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>CPU_LIMIT</key>
                            <value>20</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                         <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key>
                            <value>60</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                          <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>666</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>AGENT_LOGGING_LEVEL</key>
                            <value>Verbose</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                            <value>100</value>
                        </PerformanceLevelSettings>
```

```
                        <PerformanceLevelSettings>
                         <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key>
                            <value>200</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_SCAN</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                        <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>1024</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                       <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
                            <value>333</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                            <value>222</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                        <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
                            <value>66</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                            <value>0</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_STATUS</key>
                            <value>333</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CONFIG</key>
                            <value>66</value>
                        </PerformanceLevelSettings>
                    </list>
                </settings>
            </performanceProfile>
        </AgentConfig>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd

Delete configuration profile

/qps/rest/1.0/delete/ca/agentconfig/<id>

[POST]

Delete a configuration profile in the user's account.

Where "id" (Required) is the ID of the configuration profile to be deleted.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Configuration Profile Permission "Edit Configuration Profile".

Input Parameters

There are no input parameters.

Sample - Delete configuration profile

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @delete_config.xml
"https://qualysapi.qualys.com/qps/rest/1.0/delete/ca/agentconfig/9000"
Note: "delete_config.xml" contains the request POST data.
```

Contents of delete_config.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
</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/1.
0/ca/agentconfig.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
```

```
    <data>
        <AgentConfig>
            <id>9000</id>
        </AgentConfig>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd

Update configuration profile

/qps/rest/1.0/update/ca/agentconfig/

[POST]

Update a configuration profile in the user's account.

Permissions required - Managers with full scope. Other users must have these permissions: Access Permission "API Access" and CA Configuration Profile Permission "Edit Configuration Profile".

Input Parameters

See Input Parameters for Create Configuration Profile

Sample - Update configuration profile

API request

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "X-Requested-With: curl" -H "Cache-Control:
no-cache" --data-binary @config_update.xml
"https://qualysapi.qualys.com/qps/rest/1.0/update/ca/agentconfig/"
Note: "config_update.xml" contains the request POST data.
```

Contents of config_update.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <AgentConfig>
            <id>13002</id>
            <name>thru api - updated</name>
            <description>updated using api</description>
            <priority>2</priority>
            <isDefault>0</isDefault>
            <suspendScanning>false</suspendScanning>
            <tags>
                <includeTags>
                    <list>
```

```
                        <ConfigTag>
                            <id>256926</id>
                            <name>CSHAH TEMP tag</name>
                        </ConfigTag>
                    </list>
                </includeTags>
                <includeResolution>ANY</includeResolution>
                <excludeTags>
                    <list/>
                </excludeTags>
                <excludeResolution>ANY</excludeResolution>
                <tagSetUuid>ec78b2ce-74e8-4182-bdaf-
8090f2983187</tagSetUuid>
            </tags>
            <blackoutConfig>
                <settings>
                    <list/>
                </settings>
            </blackoutConfig>
                <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
                            <value>3600</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                       <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key>
                            <value>5</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>

                       <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>1024</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>AGENT_LOGGING_LEVEL</key>
                            <value>Verbose</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                            <value>20</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
```

```
                            <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key
>
                            <value>10800</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_SCAN</key>
                            <value>20</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>

                        <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key>
                            <value>1024</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>

                        <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
                            <value>10800</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                            <value>300</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>

                        <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
                            <value>300</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                            <value>20</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_STATUS</key>
                            <value>900</value>
                          </PerformanceLevelSettings>
                          <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CONFIG</key>
                            <value>10800</value>
                          </PerformanceLevelSettings>
                      </list>
                  </settings>
              </performanceProfile>
          </AgentConfig>
      </data>
</ServiceRequest>
```

Note: For the Update Configuration Profile API, if the 'settings' tags for performance profile are not provided or provided without any values, the existing settings for performance profile will be retained.

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <AgentConfig>
            <id>13002</id>
            <name>thru api - updated</name>
            <description>updated using api</description>
            <priority>2</priority>
            <isDefault>0</isDefault>
            <suspendScanning>false</suspendScanning>
            <tags>
                <includeTags>
                    <list>
                        <ConfigTag>
                            <id>256926</id>
                            <name>CSHAH TEMP tag</name>
                        </ConfigTag>
                    </list>
                </includeTags>
                <includeResolution>ANY</includeResolution>
                <excludeTags>
                    <list/>
                </excludeTags>
                <excludeResolution>ANY</excludeResolution>
                <tagSetUuid>ec78b2ce-74e8-4182-bdaf-
8090f2983187</tagSetUuid>
            </tags>
            <blackoutConfig>
                <settings>
                    <list/>
                </settings>
            </blackoutConfig>
                <performanceProfile>
                <settings>
                    <list>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_PROVISION</key>
```

```
                    <value>3600</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>
                    <key>INTERVAL_EVENT_UPLOAD_CHANGELIST</key
>
                    <value>5</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>

            <key>FILE_UPLOAD_FRAGMENT_SIZE_IN_KB</key>
                    <value>1024</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>
                    <key>AGENT_LOGGING_LEVEL</key>
                    <value>Verbose</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>
                    <key>THROTTLE_EVENT_COMM_DOWNLOAD</key>
                    <value>20</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>

             <key>INTERVAL_EVENT_DOWNLOAD_MANIFEST</key>
                    <value>10800</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>
                    <key>THROTTLE_EVENT_SCAN</key>
                    <value>20</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>

                <key>FILE_DOWNLOAD_FRAGMENT_SIZE_IN_KB</key
>
                    <value>1024</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>

                  <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</
key>
                    <value>10800</value>
                </PerformanceLevelSettings>
                <PerformanceLevelSettings>
                    <key>INTERVAL_EVENT_EXECUTE_SETUP</key>
                    <value>300</value>
                </PerformanceLevelSettings>
```

```
                        <PerformanceLevelSettings>

                        <key>INTERVAL_EVENT_DOWNLOAD_SNAPSHOT</key>
                            <value>300</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>THROTTLE_EVENT_COMM_UPLOAD</key>
                            <value>20</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_STATUS</key>
                            <value>900</value>
                        </PerformanceLevelSettings>
                        <PerformanceLevelSettings>
                            <key>INTERVAL_EVENT_CONFIG</key>
                            <value>10800</value>
                        </PerformanceLevelSettings>
                    </list>
                </settings>
            </performanceProfile>
        </AgentConfig>
    </data>
</ServiceRequest>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd

Common Use Cases

Get agent asset info for a single agent

/qps/rest/2.0/get/am/hostasset/:id

[GET]

Returns details about a specific cloud agent in the user's account.

Where "id" (Required) is the ID of the host asset.

Permissions required - User must have CA module enabled and have "API ACCESS" permission.

Input Parameters

There are no input parameters.

Sample - Get agent asset info for a single agent

API request

```
curl -u "USERNAME:PASSWORD" -X "GET" -H "Content-Type: text/xml"
https://qualysapi.qualys.com/qps/rest/2.0/get/am/hostasset/2872638
```

Response

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/portal-
api/xsd/2.0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <HostAsset>
            <id>5214017</id>
            <name>113080-T450</name>
```

```
            <created>2018-04-12T07:23:41Z</created>
            <modified>2018-04-18T11:39:50Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>7584632</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
            <qwebHostId>140995</qwebHostId>
            <lastComplianceScan>2017-04-
             18T11:00:57Z</lastComplianceScan>
            <lastVulnScan>2018-04-18T11:00:57Z</lastVulnScan>
            <lastSystemBoot>2018-04-17T15:16:15Z</lastSystemBoot>
            <lastLoggedOnUser>CORP\rkumar</lastLoggedOnUser>
            <domain>corp.qualys.com</domain>
            <fqdn>113080-T450.corp.qualys.com</fqdn>
            <os>Microsoft Windows 10 Enterprise 10.0.10586 N/A
             Build 10586</os>
            <dnsHostName>113080-T450</dnsHostName>
            <agentInfo>
                <agentVersion>1.5.6.45</agentVersion>
                <agentId>33889e67-d898-4f74-9f19-
                 27ae2265aedc</agentId>
                <status>STATUS_ACTIVE</status>
                <lastCheckedIn>2017-04-18T11:39:29Z</lastCheckedIn>
                <connectedFrom>999.999.999.999</connectedFrom>
                <location>Redwood City, California United
                 States</location>
               <locationGeoLatitude>37.536540</locationGeoLatitude>
                <locationGeoLongtitude>-
                 122.25838</locationGeoLongtitude>
                <chirpStatus>Inventory Scan Complete</chirpStatus>
                <platform>Windows</platform>
               <activatedModule>AGENT_VM,AGENT_PC</activatedModule>
                <manifestVersion>VULNSIGS-VMPC-2.4.18-
                 3</manifestVersion>
                <agentConfiguration>
```

```
                    <id>197208</id>
                    <name>for list</name>
                </agentConfiguration>
                <activationKey>
                    <activationId>1b37b569-9bf6-444f-9330-
                     94535696f272</activationId>
                    <title>my</title>
                </activationKey>
            </agentInfo>
            <netbiosName>113080-T450</netbiosName>
            <networkGuid>6b48277c-0742-61c1-82bb-
             cac0f9c4094a</networkGuid>
            <address>10.0.203.10</address>
            <trackingMethod>QAGENT</trackingMethod>
            <manufacturer>LENOVO</manufacturer>
            <model>20BUA04EIG</model>
            <totalMemory>11984</totalMemory>
            <timezone>+05:30</timezone>
            <biosDescription>LENOVO JBET54WW (1.19 ),
             11/6/2015</biosDescription>
            ...
        </HostAsset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Get all agents for the account

/qps/rest/2.0/search/am/hostasset/

[POST]

Sample - Get all agents for the account

API request

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"  -H
"Cache-Control: no-cache" --data-binary @list_all_agents.xml
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset/"
```

Contents of list_all_agents.xml

```
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>4</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2016-06-18T16:54:50Z</created>
            <modified>2016-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
```

```
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        <Asset>
            <id>2532638</id>
            <name>10.40.2.176</name>
            <created>2017-04-17T13:32:48Z</created>
            <modified>2017-05-14T14:06:03Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>509525</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
        ...
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Get count of agents installed

/qps/rest/2.0/count/am/hostasset

[POST]

Sample - Get count of agents installed

API request

```
curl -u fo_username:password -X POST -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @get_all_agents_count.xml
"https://qualysapi.qualys.com/qps/rest/2.0/count/am/hostasset"
```

Contents of get_all_agents_count.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</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/2.
0/am/hostasset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Get manifest version for an agent

/qps/rest/2.0/search/am/hostasset

[POST]

Sample - Get manifest version for an agent

API request

```
curl -u "username:password" -X "POST" -H "Content-Type: text/xml" -H
"Cache-Control: no-cache" --data-binary @agent_manifest.xml
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset/?fields
=id,agentInfo.manifestVersion.vm,agentInfo.manifestVersion.pc"
```

Contents of agent_manifest.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
  <preferences>
    <limitResults>1</limitResults>
  </preferences>
  <filters>
    <Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>
    <Criteria field="updated" operator="GREATER">2018-09-
09T02:28:13Z</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/2.
0/am/hostasset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>true</hasMoreRecords>
  <lastId>124450795</lastId>
  <data>
    <HostAsset>
      <id>124450795</id>
      <agentInfo>
```

```
        <manifestVersion>
          <vm>VULNSIGS-VMPC-2.4.301-2</vm>
          <pc>VULNSIGS-VMPC-2.4.301-2</pc>
        </manifestVersion>
      </agentInfo>
    </HostAsset>
  </data>
```

XSD

<platform API server>/qps/xsd/2.0/am/hostasset.xsd

Get all agents not checked-in in last N days

/qps/rest/2.0/search/am/hostasset/

[POST]

Sample - Get all agents not checked-in in last N days

API request

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"  -H
"Cache-Control: no-cache" --data-binary @list_agents_not_checkedin.xml
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/hostasset/"
```

Contents of list_agents_not_checkedin.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</Criteria>
        <Criteria field="updated" operator="LESSER">2018-08-
25T00:00:01Z</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2016-06-18T16:54:50Z</created>
            <modified>2016-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
                <list>
```

```
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
            </list>
        </tags>
        <sourceInfo>
            <list>
                <AssetSource/>
            </list>
        </sourceInfo>
    </Asset>
    <Asset>
        <id>2532638</id>
        <name>10.40.2.176</name>
        <created>2017-04-17T13:32:48Z</created>
        <modified>2017-05-14T14:06:03Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
            </list>
        </tags>
        <sourceInfo>
            <list>
                <AssetSource/>
            </list>
        </sourceInfo>
    </Asset>
    <Asset>
        <id>2532838</id>
        <name>local IP agent</name>
        <created>2016-04-19T13:52:08Z</created>
        <modified>2017-02-05T12:26:48Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
                <TagSimple>
```

```
                        <id>217325</id>
                        <name>Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Uninstall agents not checked-in in last N days

/qps/rest/2.0/uninstall/am/asset/

[POST]

Sample - Uninstall agents not checked-in in last N days

API request

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"  -H
"Cache-Control: no-cache" --data-binary
@uninstall_agents_not_checkedin.xml
"https://qualysapi.qualys.com/qps/rest/2.0/uninstall/am/asset/"
```

Contents of uninstall_agents_not_checkedin.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="tagName" operator="EQUALS">Cloud
Agent</Criteria>
        <Criteria field="updated" operator="LESSER">2018-08-
25T00:00:01Z</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>3</count>
    <data>
        <Asset>
            <id>712038</id>
            <name>192.168.1.12</name>
            <created>2016-06-18T16:54:50Z</created>
            <modified>2016-06-18T16:54:51Z</modified>
            <type>HOST</type>
            <tags>
```

```
            <list>
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
            </list>
        </tags>
        <sourceInfo>
            <list>
                <AssetSource/>
            </list>
        </sourceInfo>
    </Asset>
    <Asset>
        <id>2532638</id>
        <name>10.40.2.176</name>
        <created>2017-04-17T13:32:48Z</created>
        <modified>2017-05-14T14:06:03Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
            </list>
        </tags>
        <sourceInfo>
            <list>
                <AssetSource/>
            </list>
        </sourceInfo>
    </Asset>
    <Asset>
        <id>2532838</id>
        <name>local IP agent</name>
        <created>2016-04-19T13:52:08Z</created>
        <modified>2017-02-05T12:26:48Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>509525</id>
                    <name>Cloud Agent</name>
                </TagSimple>
```

```
                    <TagSimple>
                        <id>217325</id>
                        <name>Agent</name>
                    </TagSimple>
                </list>
            </tags>
            <sourceInfo>
                <list>
                    <AssetSource/>
                </list>
            </sourceInfo>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Activate all agents for VM with tag XX

/qps/rest/2.0/activate/am/asset

[POST]

Sample - Activate all agents for VM with tag XX

API request

```
curl -u "USERNAME:PASSWORD" -X "POST" -H "Content-Type: text/xml"  -H
"Cache-Control: no-cache" --data-binary @activate_agents_with_tag.xml
"https://qualysapi.qualys.com/qps/rest/2.0/activate/am/asset?module=AG
ENT_VM"
```

Contents of activate_agents_with_tag.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
 <filters>
 <Criteria field="tagName" operator="EQUALS">xx</Criteria>
 <Criteria field="tagName" operator="EQUALS">Cloud Agent</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/2.
0/am/asset.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>4</count>
    <data>
        <Asset>
            <id>1516574</id>
            <name>win_pm_48</name>
            <created>2018-10-29T08:50:30Z</created>
            <modified>2018-10-29T10:17:30Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
```

```
                    <id>8145136</id>
                    <name>xx</name>
                </TagSimple>
                <TagSimple>
                    <id>8144814</id>
                    <name>Cloud Agent</name>
                </TagSimple>
            </list>
        </tags>
    </Asset>
    <Asset>
        <id>1516575</id>
        <name>win_pm_8</name>
        <created>2018-10-29T08:50:32Z</created>
        <modified>2018-10-29T10:17:25Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>8144814</id>
                    <name>Cloud Agent</name>
                </TagSimple>
                <TagSimple>
                    <id>8145136</id>
                    <name>xx</name>
                </TagSimple>
            </list>
        </tags>
    </Asset>
    <Asset>
        <id>1516576</id>
        <name>win_pm_50</name>
        <created>2018-10-29T08:50:33Z</created>
        <modified>2018-10-29T10:17:16Z</modified>
        <type>HOST</type>
        <tags>
            <list>
                <TagSimple>
                    <id>8145136</id>
                    <name>xx</name>
                </TagSimple>
                <TagSimple>
                    <id>8144814</id>
                    <name>Cloud Agent</name>
                </TagSimple>
```

```
                </list>
            </tags>
        </Asset>
        <Asset>
            <id>1516577</id>
            <name>win_pm_32</name>
            <created>2018-10-29T08:50:34Z</created>
            <modified>2018-10-29T10:17:20Z</modified>
            <type>HOST</type>
            <tags>
                <list>
                    <TagSimple>
                        <id>8144814</id>
                        <name>Cloud Agent</name>
                    </TagSimple>
                    <TagSimple>
                        <id>8145136</id>
                        <name>xx</name>
                    </TagSimple>
                </list>
            </tags>
        </Asset>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/2.0/am/asset.xsd

Mark an activation key as disabled

/qps/rest/1.0/update/ca/agentactkey

[POST]

Sample - Mark an activation key as disabled

API request

```
curl -X POST -H "X-Requested-With: curl" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Content-Type: text/xml" -H "Cache-Control:
no-cache" --data-binary @disable_key.xml
"https://qualysapi.qualys.com/qps/rest/1.0/update/ca/agentactkey"
```

Contents of disable_key.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
    <data>
        <AgentActKey>
            <id>25002</id>
            <title>disabled from API</title>
            <status>ACTIVE</status>
            <countPurchased>10</countPurchased>
            <expireDate>2017-12-05T23:05:42Z</expireDate>
            <datePurchased>2016-10-05T23:05:42Z</datePurchased>
            <type>COUNT_LIMITED</type>
            <isDisabled>true</isDisabled>
        </AgentActKey>
    </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/1.
0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <data>
        <AgentActKey>
```

```
            <id>25002</id>
            <activationKey>dc5e51f9-89de-47e2-ad35-
26d5ee0f865d</activationKey>
            <status>ACTIVE</status>
            <countPurchased>10</countPurchased>
            <countUsed>0</countUsed>
            <datePurchased>2015-10-05T23:05:42Z</datePurchased>
            <type>COUNT_LIMITED</type>
            <title>disabled from API</title>
            <isDisabled>true</isDisabled>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <tags>
                <list/>
            </tags>
            <agents>
                <list/>
            </agents>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Search for all activation keys that are disabled

/qps/rest/1.0/search/ca/agentactkey/

[POST]

Sample - Search for all activation keys that are disabled

API request

```
curl -u fo_username:password -X POST -H "X-Requested-With: curl" -H
"Content-Type: text/xml" -H "Cache-Control: no-cache" --data-binary
@list_disabled_keys.xml
"https://qualysapi.qualys.com/qps/rest/1.0/search/ca/agentactkey/"
```

Contents of list_disabled_keys.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="isDisabled" operator="EQUALS">true</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/1.
0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AgentActKey>
            <id>25002</id>
            <activationKey>dc5e51f9-89de-47e2-ad35-
26d5ee0f865d</activationKey>
            <status>ACTIVE</status>
            <countPurchased>10</countPurchased>
            <countUsed>0</countUsed>
            <datePurchased>2017-10-05T23:05:42Z</datePurchased>
            <type>COUNT_LIMITED</type>
```

```
            <title>disabled from API</title>
            <isDisabled>true</isDisabled>
            <modules>
                <list>
                    <ActivationKeyModule>
                        <license>VM_LICENSE</license>
                    </ActivationKeyModule>
                </list>
            </modules>
            <tags>
                <list/>
            </tags>
            <agents>
                <list/>
            </agents>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd

Get all agents for an activation key

/qps/rest/1.0/search/ca/agentactkey/

[POST]

Sample - Get all agents for an activation key

API request

```
curl -u fo_username:password -X POST -H "X-Requested-With: curl" -H
"Content-Type: text/xml" -H "Cache-Control: no-cache" --data-binary
@list_agents_with_key.xml
"https://qualysapi.qualys.com/qps/rest/1.0/search/ca/agentactkey/"
```

Contents of list_agents_with_key.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <filters>
        <Criteria field="activationKey" operator="EQUALS">b9f9cca0-
bc82-43a0-8bba-7e9913d1e386</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/1.
0/ca/agentactkey.xsd">
    <responseCode>SUCCESS</responseCode>
    <count>1</count>
    <hasMoreRecords>false</hasMoreRecords>
    <data>
        <AgentActKey>
            <id>6201</id>
            <activationKey>b9f9cca0-bc82-43a0-8bba-
7e9913d1e386</activationKey>
            <status>INACTIVE</status>
            <countPurchased>10</countPurchased>
            <countUsed>2</countUsed>
            <datePurchased>2016-03-05T12:48:54Z</datePurchased>
```

```
            <type>UNLIMITED</type>
            <title>example key updated from api</title>
            <isDisabled>false</isDisabled>
            <modules>
                <list/>
            </modules>
            <tags>
                <list/>
            </tags>
            <agents>
                <list>
                    <AgentAsset>
                        <id>710625</id>
                        <uuid>b0e9cca0-bc82-43a0-8bba-
7e9913d1e386</uuid>
                        <name>10.10.10.10</name>
                    </AgentAsset>
                    <AgentAsset>
                        <id>703719</id>
                        <uuid>b1f9cca0-bc82-43a0-8bba-
7e9913d1e386</uuid>
                        <name>192.168.1.1</name>
                    </AgentAsset>
                </list>
            </agents>
        </AgentActKey>
    </data>
</ServiceResponse>
```

XSD

<platform API server>/qps/xsd/1.0/ca/agentactkey.xsd