



# Cloud Agent API

User Guide  
Version 3.17

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# 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](http://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	<a href="https://qualysapi.qualys.com">https://qualysapi.qualys.com</a>
Qualys US Platform 2	<a href="https://qualysapi.qg2.apps.qualys.com">https://qualysapi.qg2.apps.qualys.com</a>
Qualys US Platform 3	<a href="https://qualysapi.qg3.apps.qualys.com">https://qualysapi.qg3.apps.qualys.com</a>
Qualys EU Platform 1	<a href="https://qualysapi.qualys.eu">https://qualysapi.qualys.eu</a>
Qualys EU Platform 2	<a href="https://qualysapi.qg2.apps.qualys.eu">https://qualysapi.qg2.apps.qualys.eu</a>
Qualys India Platform 1	<a href="https://qualysapi.qg1.apps.qualys.in">https://qualysapi.qg1.apps.qualys.in</a>
Qualys Private Cloud Platform	<a href="https://qualysapi.&lt;customer_base_url&gt;">https://qualysapi.&lt;customer_base_url&gt;</a>

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

## Making API calls

### Curl samples in our API doc

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

### GET and POST Methods

Qualys API functions 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}	<p>(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, LINUX_COREOS, LINUX_S_390_X, LINUX_UBUNTU_S_390_X, GENTOO_LINUX, and LINUX_AWSBR.</p> <p>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.</p>
architecture={value}	<p>(Required) Specify platform architecture. Valid values are X_86_64, ARM_64, X_64, POWER_5,</p>

SPARC, PPC\_64\_LE, and S\_390\_X

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 fetching agent installer binary version for Cloud Agent Linux on zSystems, two-level check is performed—at the platform level and at the subscription level. You can fetch the agent binary version only when the agent is available for the platform.

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.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 :
f6289bfeddb902c8a588cf421c98581a6c412683c0d33b80b5d78429b4cc1722e</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>
    <Platform>
      <name>LINUX_S390X</name>
      <version>3.31.0.14</version>
      <hash>Hash-SHA-256 :
23242e8ef148d094b8327e1cefd0eac5f1f3b6cc7229b0ad6bf222708af82777</hash
>
      <extension>.rpm</extension>
    </Platform>
    <Platform>
      <name>LINUX_UBUNTU_S390X</name>
      <version>3.31.0.14</version>
      <hash>Hash-SHA-256 :
a613ee47ee7990fc2d13be65b369c1fb7d2f4ffc7f26b9afa14e01d64d933453</hash
>
      <extension>.deb</extension>
    </Platform>
    <Platform>
      <name>GENTOO_LINUX</name>
      <version>6.0.111.31</version>
      <hash>Hash-SHA-256 :
319138290527db36f4401ddaf9bfd0344fe5d6f280983e92a2f9ff2df1ecb768</hash
>
      <extension>.tar.gz</extension>
    </Platform>
    <Platform>
      <name>LINUX_AWSBR</name>
      <version>5.3.1.12</version>
      <hash>Hash-SHA-256 :
6121212ab1ab100a1b0cd12121212a1c1234abcd101010cd12xy101abcd13232</hash
>
      <extension>.tar.xz</extension>
    </Platform>
  </platforms>
</AllBinaryInfo>
</data>
</ServiceResponse>

```

## XSD

[platform API server](https://platform-api-server/qps/xsd/1.0/ca/binaryInfo.xsd)/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, LINUX_COREOS, LINUX_S_390_X, LINUX_UBUNTU_S_390_X, GENTOO_LINUX, and LINUX_AWSBR.  Platform value is case sensitive.
architecture={value}	(Required) Specify platform architecture. Valid values are X_86_64, ARM_64, X_64, POWER_5, SPARC, PPC_64_LE, and S_390_X  Architecture value is case sensitive.

For fetching agent installer binary version for Cloud Agent Linux on zSystems, two-level check is performed—at the platform level and at the subscription

level. . Only when the agent is available for the platform and your subscription, you can download the agent binary.

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](https://qualysapi.qualys.com/qps/xsd/2.0/am/hostasset.xsd)/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)
networkGuid	(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>
  <locationGeoLongitude>-
    122.0307</locationGeoLongitude>
  <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, CAPS, SwCA).

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), AGENT\_SCA (for SCA module), AGENT\_CAPS (for Cloud Agent as Passive Sensor module), AGENT\_SwCA (for Software Composition Analysis 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,AGENT\_CAPS,AGENT\_SwCA.

### Notes:

- AGENT\_PC and AGENT\_SCA cannot be activated at the same time as SCA is a subset of PC.

**Note:** An error message is displayed in the following scenarios:

- If you activate PC for a Cloud Agent where SCA is already activated.
- If you activate SCA for a Cloud Agent where PC is already activated.
- CAPS module is applicable only for Windows platform.
- CAPS configuration must be created before activating CAPS module.
- SwCA is supported only for Windows and Linux platforms and can be activated only when VM is activated for the agent.

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>
```

## Sample - Error while activating SCA for a Cloud Agent where PC is Activated

### 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/23058587?
module=AGENT_SCA"
```

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="
    <qualys_base_base>/qps/xsd/2.0/am/asset.xsd">
  <responseCode>OTHER_ERROR</responseCode>
  <responseErrorDetails>
    <errorMessage>Error activating agent(s)</errorMessage>
    <errorResolution>There was an error activating
agent(s). Error: PC
is already activated on selected agent.</errorResolution>
  </responseErrorDetails>
</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, CAPS, SwCA).

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), AGENT\_CAPS (for Cloud Agent as Passive Sensor module), AGENT\_SwCA (for Software Composition Analysis 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,AGENT\_CAPS,AGENT\_SwCA.

### Notes:

- AGENT\_PC and AGENT\_SCA cannot be activated at the same time as SCA is a subset of PC.

**Note:** An error message is displayed in the following scenarios:

- If you activate PC for a Cloud Agent where SCA is already activated.
- If you activate SCA for a Cloud Agent where PC is already activated.
- CAPS module is applicable only for Windows platform.
- CAPS configuration must be created before activating CAPS module.
- SwCA is supported only for Windows and Linux platforms and can be activated only when VM is activated for the agent.
- 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](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, CAPS, SwCA)

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), AGENT\_CAPS (for Cloud Agent as Passive Sensor module), AGENT\_SwCA (for Software Composition Analysis 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,AGENT\_CAPS,AGENT\_SwCA.

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](https://qualysapi.qualys.com/qps/xsd/2.0/am/asset.xsd)/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, CAPS, SwCA).

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), AGENT\_CAPS (for Cloud Agent as Passive Sensor module), AGENT\_SwCA (for Software Composition Analysis 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,AGENT\_CAPS,AGENT\_SwCA.

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>
  </data>
</ServiceResponse>

```

```
</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](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](https://qualysapi.qualys.com/qps/xsd/2.0/am/asset.xsd)/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: Providing 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>
    </Asset>
  </data>
</ServiceResponse>
```

```

        </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>shwetias-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>
      <lastLoggedInUser>root</lastLoggedInUser>
      <os>Mac OS X 10.11.6</os>
      <dnsHostName>shwetias-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>
      </agentInfo>
    </HostAsset>
  </data>
</ServiceResponse>

```

```

    <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>
    </list>
  </vuln>

```

```

        </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>shwetias-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](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: Providing 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)
networkGuid	(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>shwetias-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>
    </HostAsset>
  </data>
</ServiceResponse>

```

```

<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>shwetashwet-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>
  </list>
</openPort>

```

```

        <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>shwetash-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](http://platform.API.server/qps/xsd/2.0/am/hostasset.xsd)

# Scans

## Launch on demand scan on single asset

/qps/rest/1.0/ods/ca/agentasset/<assetid>?scan=<value>&overrideConfigCpu=<true/false>

[POST]

Launches on-demand scan on a single asset where Cloud Agent is installed, where “id” is the asset ID on which the agent launches the on-demand scan..

The on-demand scan helps you with the flexibility to initiate a scan without waiting for the next scheduled scan.

### Input Parameters

Use these parameters to launch an on-demand scan.

Parameter	Description
scan={value}	(mandatory) Type of on-demand scan to be launched. Valid values are: Inventory_Scan, Vulnerability_Scan, PolicyCompliance_Scan, UDC_Scan, SCA_Scan, SWCA_SCAN  <b>Note:</b> You can only launch one type of scan at one time.
overrideConfigCpu	(optional) Set this flag to define the CPU throttle limits that the on demand scan will use.  - Set to true to override the CPU throttle limits set in the configuration profile.  - Set to false to use the CPU throttle limit values set in the configuration profile. If you do not provide any value in the API request URL, the default value—

false is considered.

**Note:** By default, Cloud Agent for Windows uses a throttle value of 100, and Cloud Agent for Linux uses a value of 0 (no throttling).

## Sample - Launch on demand scan on a single asset

### API request

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic  
AbcdAbcdAbcdAbcdAbcdAbcdAb" -H "Cache-Control: no-cache" --data  
@SingleAgent_ODS.xml  
"https://qualysapi.qualys.com/qps/rest/1.0/ods/ca/agentasset/19105105?  
scan=Inventory_Scan&OverrideConfigCpu=false"
```

### Contents of SingleAgent\_ODS.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/qps/xsd/1.0/  
ca/agentasset.xsd"> >  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <SingleModuleResponse>  
      <module>Inventory Scan</module>  
      <count>1</count>  
      <assetIds>[19010134]</assetIds>  
      <responseCode>SUCCESS</responseCode>  
    </SingleModuleResponse>  
  </data>  
</ServiceResponse>
```

## XSD

[<platform API server>/qps/xsd/1.0/ca/agentasset.xsd](#)



## Launch on demand scan on multiple asset

/qps/rest/1.0/ods/ca/agentasset?scan=<value>&overrideConfigCpu=<true/false>

[POST]

Launches on-demand scan on multiple assets with the defined criteria, where Cloud Agent is installed. For bulk request, it is mandatory to add criteria in the service request. For example, <Criteria field="tagName" operator="EQUALS">Cloud Agent</Criteria>.

Note: You must provide at least one criteria in a service request for launching on demand scan on multiple assets.

The on-demand scan helps you with the flexibility to initiate a scan without waiting for the next scheduled scan.

### Input Parameters

Use these parameters to launch an on-demand scan.

Parameter	Description
scan={value}	(mandatory) Type of on-demand scan to be launched. Valid values are: Inventory_Scan, Vulnerability_Scan, PolicyCompliance_Scan, UDC_Scan, SCA_Scan, SWCA_SCAN  <b>Note:</b> You can only launch one type of scan at one time.
overrideConfigCpu	(optional) Set this flag to define the CPU throttle limits that the on demand scan will use.  - Set to true to override the CPU throttle limits set in the configuration profile.  - Set to false to use the CPU throttle limit values set in the configuration profile. If you do not provide any

value in the API request URL, the default value—false is considered.

**Note:** By default, Cloud Agent for Windows uses a throttle value of 100, and Cloud Agent for Linux uses a value of 0 (no throttling).

## Sample - Launch on demand scan on multiple assets

### API request

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic AbcdAbcdAbcdAbcdAbcdAbcdAb" -H "Xurl" -H "Cache-Control: no-cache" --data @Bulk_ODS.xml "https://qualysapi.qualys.com/qps/rest/1.0/ods/ca/agentasset?scan=Inventory_Scan&overrideConfigCpu =true"
```

### Contents of Bulk\_ODS.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
  <filters>
    <Criteria field="tagName" operator="EQUALS">Tag4</Criteria>
  </filters>
</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/qps/xsd/1.0/ca/agentasset.xsd"> >
  <responseCode>SUCCESS</responseCode>
  <count>4</count>
  <data>
    <SingleModuleResponse>
      <module>SCA Scan</module>
      <count>4</count>
      <assetIds>[16873061, 17180531, 18901656, 18908888]</assetIds>
      <responseCode>SUCCESS</responseCode>
    </SingleModuleResponse>
  </data>
</ServiceResponse>
```

## XSD

[<platform API server>/qps/xsd/1.0/ca/agentasset.xsd](https://platform-api-server/qps/xsd/1.0/ca/agentasset.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](http://platform API server/qps/xsd/1.0/ca/agentactkey.xsd)/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](https://platform-api-server/qps/xsd/1.0/ca/agentactkey.xsd)/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, SWCA, CAPS.
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>  
        </list>  
      </modules>  
    </AgentActKey>  
  </data>  
</ServiceRequest>
```

```

        <ActivationKeyModule>
          <license>EDR</license>
        </ActivationKeyModule>
        <ActivationKeyModule>
          <license>SWCA</license>
        </ActivationKeyModule>
        <ActivationKeyModule>
          <license>CAPS</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>
<ActivationKeyModule>
  <license>SWCA</license>
</ActivationKeyModule>
<ActivationKeyModule>
  <license>CAPS</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](https://platform-api-server/qps/xsd/1.0/ca/agentactkey.xsd)/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, SWCA, CAPS.
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>
        </list>
      </modules>
    </AgentActKey>
  </data>
</ServiceRequest>
```



```

        <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>
        <ActivationKeyModule>
          <license>SWCA</license>
        </ActivationKeyModule>
        <ActivationKeyModule>
          <license>CAPS</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>
        <ActivationKeyModule>
          <license>SWCA</license>
        </ActivationKeyModule>
        <ActivationKeyModule>
          <license>CAPS</license>
        </ActivationKeyModule>
      </list>
    </modules>
  </AgentActKey>
</data>
```

```
</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

## Change Activation Key

/qps/rest/1.0/cak/ca/changeactkey/

[POST]

Change the activation key for single or multiple agents.

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

### Input Parameters

Use the following <ServiceRequest> parameter to assign a new activation key to your asset.

Parameter	Description
newActivationKey (String)	(required) (Mandatory) The new activation key to which you want to migrate your assets.

Filter operators are available for use with <ServiceRequest> parameters. You can use the following filters with <ServiceRequest> parameters to search the assets to which the new activation key is to be assigned.

Parameter	Description
id (Long)	Asset ID of your agents. Supported operators: EQUALS, IN, NOT EQUALS, GREATER, LESSER
tagName String)	Asset tag name assigned to the agent host. You can search for agents using the tag name assigned to the agent host. Supported operators: CONTAINS, EQUALS, NOT EQUALS
activationKey (String)	Existing activation key used while installing the

Cloud Agent. You can search for agents using the activation key. Supported operator: EQUALS

**Note:** You must include at least one filter in the API request body as a search criterion.

## Sample - Change Activation Key using Single Filter

Refer to the following sample to change the activation key of an Agent using a single filter.

### API request

```
curl -X POST -H "X-Requested-With: curl" -H "Authorization: Basic  
AbcdAbcdAbcdAbcdAbcdAbcdAb" -H "Content-Type: application/xml" -H  
"CacheControl: no-cache  
<qualys_bas_url>/qps/rest/1.0/cak/ca/changeactkey"
```

### Request POST data

```
<?xml version="1.0" encoding="UTF-8" ?>  
<ServiceRequest>  
  <data>  
    <ChangeActKey>  
      <newActivationKey>abc123d4-a123-12ab-a1b2-  
ab123c45d67e</newActivationKey>  
    </ChangeActKey>  
  </data>  
  <filters>  
    <Criteria field="id" operator="IN">12345678</Criteria>  
  </filters>  
</ServiceRequest>
```

### Response

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceResponse  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:noNamespaceSchemaLocation="  
    <qualys_base_url>/qps/xsd/1.0/ca/changeactkey.xsd">  
    <responseCode>SUCCESS</responseCode>  
    <data>
```

```

        <string>Change Activation Key request has been
submitted successfully; With Total Submitted Asset Count:1</string>
    </data>
</ServiceResponse>

```

## Sample - Sample - Activation Key Change for Multiple Agents using the tagName Filter

Refer to the following sample to change the activation key of an Agent using a single filter.

### API request

```

curl -X POST -H "X-Requested-With: curl" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcdAbcdAb" -H "Content-Type: application/xml" -H
"CacheControl: no-cache
"<qualys_bas_url>/qps/rest/1.0/cak/ca/changeactkey"

```

### Request POST data

```

<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
    <data>
        <ChangeActKey>
            <newActivationKey>abc123d4-a123-12ab-a1b2-
ab123c45d67e</newActivationKey>
        </ChangeActKey>
    </data>
    <filters>
        <Criteria field="tagName"
operator="EQUALS">gentoo</Criteria>
    </filters>
</ServiceRequest>

```

### Response

```

<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="
<qualys_base_url>/qps/xsd/1.0/ca/changeact
key.xsd">
    <responseCode>SUCCESS</responseCode>
    <data>

```

```
<string>Change Activation Key request has been submitted  
successfully; With Total Submitted Asset Count:7</string>  
</data>  
</ServiceResponse>
```

## XSD

[<platform API server>](#)/qps/xsd/1.0/ca/changeactkey.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>John Doe (john_d)</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>
      </list>
    </settings>
  </performanceProfile>
</AgentConfig>
```

```
<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</key>
  <value>1024</value>
</PerformanceLevelSettings>
<PerformanceLevelSettings>
  <key>INTERVAL_EVENT_DOWNLOAD_SELF_PATCH</key>
  <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>John Doe (john_d)</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>
            </list>
        </settings>
    </performanceProfile>
</AgentConfig>

```

```
<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>
...
</ServiceResponse>
```

## XSD

[platform API server](https://platform-api-server/qps/xsd/1.0/ca/agentconfig.xsd)/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.
vmScanMode (string)	(optional) Valid values: <ul style="list-style-type: none"><li>- AGENTUSER to run VM scan with the same privileges that you have configured for running the Cloud Agent.</li><li>- SAFE to run VM scan with lower privileges. In this case, Cloud Agent does not run any commands or binary files which require elevated privileges.</li><li>- DPE to run VM scan with lower privileges, by default. However, the Cloud Agent will dynamically elevate the privileges to root permissions only for the</li></ul>

commands that failed due to permissions with lower privileges.

### Parameters for VM Scans

dataCollectionInterval (Integer)	Time lapse, in minutes, between completion of the previous scan and start of the next scan for the assets associated with this configuration profile. Range: 240-43200
----------------------------------	--

scanDelay (Integer)	Time added, in minutes, at the start of scanning for new installs and interval scanning. Range: 0-720 Value 0 (zero) means no delay added.
---------------------	---

scanRandomize (Integer)	Range of randomization, in minutes, added to Scan Delay to offset scanning. Range: 0-720
-------------------------	--

scanOnStartup (Boolean)	Set this flag to define whether the agent runs the vulnerability scans automatically when the agent service starts.- If set to true, the agent to starts vulnerability scan automatically when agent service start. - If set to false, the agent does not start vulnerability scan automatically when the agent service starts.
-------------------------	---

**Note:** Scan on startup functionality is supported only for Qualys Agent for Windows 5.1 or later.

### Parameters for PC Scans

dataCollectionInterval (Integer)	Time lapse, in minutes, between completion of the previous scan and start of the next scan for the assets associated with this configuration profile. Range: 240-43200
----------------------------------	--

scanDelay (Integer)	Time added, in minutes, at the start of scanning for new installs and interval scanning. Range: 0-720 Value 0 (zero) means no delay added.
---------------------	---

scanRandomize (Integer)	Range of randomization, in minutes, added to Scan Delay to offset scanning. Range: 0-720
-------------------------	--

**Note:** The parameters for VM and PC scan intervals are optional. However, if you have used the parameters while creating a configuration profiles in API, the parameters with the valid range must be used in API for updating the same configuration profile.

### 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 -

	<p>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.</p>
THROTTLE_EVENT_COMM_UPLOAD	<p>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.</p>
THROTTLE_EVENT_COMM_DOWNLOAD	<p>Network throttle Tx - The higher this value (in ms), the slower agent attempts to upload to the platform; this combines with the upload chunk size to determine network utilization. Range: 0-200 milliseconds. Recommended: 0 for High performance, 10 for Normal performance, 20 for Low performance.</p>



*Qualys Cloud Agent API  
Configuration Profiles*

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

### Response

```
<?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>
        </list>
    </settings>
</performanceProfile>

```

```
        </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>
<vmScanInterval>
    <dataCollectionInterval>350</dataCollectionInterval>

    <scanDelay>220</scanDelay>
    <scanRandomize>330</scanRandomize>
    <scanOnStartup>true</scanOnStartup>
</vmScanInterval>
<pcScanInterval>
    <dataCollectionInterval>251</dataCollectionInterval>

    <scanDelay>10</scanDelay>
    <scanRandomize>79</scanRandomize>
```

```
    </pcScanInterval>
    <securitySetting>
      <vmScanMode>DPE</vmScanMode>
    </securitySetting>
  </AgentConfig>
</data>
</ServiceRequest>
```

## XSD

[<platform API server>/qps/xsd/1.0/ca/agentconfig.xsd](#)

```
<?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>
<securitySetting>
  <vmScanMode>DPE</vmScanMode>
</securitySetting>
<vmScanInterval>
  <dataCollectionInterval>350</dataCollectionInterval>

  <scanDelay>220</scanDelay>
  <scanRandomize>330</scanRandomize>
  <scanOnStartup>true</scanOnStartup>
</vmScanInterval>
<pcScanInterval>
  <dataCollectionInterval>251</dataCollectionInterval>
>

  <scanDelay>10</scanDelay>
  <scanRandomize>79</scanRandomize>
</pcScanInterval>
```

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



## 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>
<vmScanInterval>
  <dataCollectionInterval>500</dataCollectionInterval>
  </vmScanInterval>
</dataCollectionInterval>

```

```
        <scanDelay>510</scanDelay>
        <scanRandomize>410</scanRandomize>
        <scanOnStartup>>false</scanOnStartup>
    </vmScanInterval>
    <pcScanInterval>
        <dataCollectionInterval>851</dataCollectionInterval>
    >
        <scanDelay>500</scanDelay>
        <scanRandomize>500</scanRandomize>
    </pcScanInterval>
</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>
      </tags>
    </AgentConfig>
  </data>
</ServiceRequest>
```

```

      <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>
  <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>
<securitySetting>
  <vmScanMode>AGENTUSER</vmScanMode>
</securitySetting>
<vmScanInterval>
  <dataCollectionInterval>500</dataCollectionInterval>

  <scanDelay>510</scanDelay>
  <scanRandomize>410</scanRandomize>
  <scanOnStartup>false</scanOnStartup>
</vmScanInterval>
<pcScanInterval>

```



```
<dataCollectionInterval>851</dataCollectionInterval>

    <scanDelay>500</scanDelay>
    <scanRandomize>500</scanRandomize>
  </pcScanInterval>
</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>
  <locationGeoLongitude>-122.25838</locationGeoLongitude>
  <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>
      </list>
    </tags>
  </Asset>

```

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

## XSD

[platform API server](https://platform-api-server/qps/xsd/2.0/am/asset.xsd)/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>
      </list>
    </tags>
  </Asset>

```

```
        <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=AGENT_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>

```

```
        </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](https://platform-api-server/qps/xsd/2.0/am/asset.xsd)/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