



Qualys Cloud Platform v3.x

API Release Notes

Version 3.13

September 22, 2022 (Updated on November 09, 2022)

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

What's New

[CA API: Ability to Configure VM Scan Modes](#)

URL to the Qualys API Server

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here to identify your Qualys platform and get the API URL](#)

This documentation uses the API gateway URL for Qualys US Platform 1 (<https://gateway.qg1.apps.qualys.com>) in sample API requests. If you're on another platform, please replace this URL with the appropriate gateway URL for your account.

Qualys Cloud Platform 3.13 brings you many more API improvements and updates!

[Issues addressed](#)

CA API: Ability to Configure VM Scan Modes

API affected	/qps/rest/1.0/create/ca/agentconfig/ /qps/rest/1.0/update/ca/agentconfig/
New or Updated APIs	Updated
DTD or XSD changes	Yes

With this release, you can configure VM scan modes and also set the different level of privileges for performing VM scans. The VM scan modes can be set using the `vmScanMode` parameter in create and update configuration profile APIs.

Input Parameter

Use this parameter to configure the level of privilege with which VM scanning is performed.

Parameter	Description
<code>vmScanMode={value}</code>	<p>(optional) Specify one of the following values:</p> <ul style="list-style-type: none"> - <code>AGENTUSER</code>: Set this value to run VM scan with the same privileges that you have configured for running the Cloud Agent. - <code>SAFE</code>: Set this value to run VM scan with lower privileges. In this case, Cloud Agent does not run any commands or binary files which require elevated privileges. - <code>DPE</code>: Set this value to run VM scan with lower privileges, by default. However, the Cloud Agent will dynamically elevate the privileges to root permissions only for the commands that failed due to permissions with lower privileges.

Sample - Create a Configuration Profile

API request:

```
curl -X POST -H "Content-Type: text/xml" -H "Authorization: Basic
AbcdAbcdAbcdAbcdAbcd" -H "Xurl" -H "Cache-Control:
no-cache" --databinary @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 post_data.xml

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

```
<name>Test123</name>
<description>created using api</description>
<priority />
<isDefault>0</isDefault>
<suspendScanning>>false</suspendScanning>
<tags>
  <includeTags>
    <list>
      <ConfigTag>
        <id>6332818</id>
        <name>Tag1</name>
      </ConfigTag>
    </list>
  </includeTags>
  <includeResolution>ANY</includeResolution>
  <excludeTags />
  <excludeResolution>ANY</excludeResolution>
</tags>
...
<securitySetting>
  <vmScanMode>DPE</vmScanMode>
</securitySetting>
</AgentConfig>
</data>
</ServiceRequest>
```

XML output:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation=""https://qualysapi.qualys.com/qps/xsd/1.0/
ca/agentconfig.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <AgentConfig>
      <id>1278417</id>
      <name>test123</name>
      <isDefault>0</isDefault>
      <createdDate>2022-08-10T10:23:02Z</createdDate>
      <createdBy>John Doe (quays_jdoe)</createdBy>
      <description>done using api</description>
      <tags>
        <includeTags/>
        <includeResolution>ANY</includeResolution>
        <excludeTags/>
        <tagSetUuid>5100449d-c340-4856-81c4-
812be8fbdefb</tagSetUuid>
      </tags>
```

```
...
<securitySetting>
  <vmScanMode>DPE</vmScanMode>
</securitySetting>
</AgentConfig>
</data>
</ServiceResponse>
```

Sample - Update a 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 post_data.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <AgentConfig>
      <id>1277628</id>
      <name>Test123</name>
      <description>updated using api</description>
      <priority>3</priority>
      <isDefault>0</isDefault>
      <suspendScanning>>false</suspendScanning>
      <inMemoryDbEnabled>>true</inMemoryDbEnabled>
      <qgsEnabled>>true</qgsEnabled>
      <qgsGroupName></qgsGroupName>
      <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-
```

```
bdaf8090f2983187</tagSetUuid>
  </tags>
  ...
  <securitySetting>
    <vmScanMode>DPE</vmScanMode>
  </securitySetting>
</AgentConfig>
</data>
</ServiceRequest>
```

XML output:

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/1.0/ca/agentconfig.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <AgentConfig>
      <id>1278417</id>
      <name>test-123</name>
      <isDefault>0</isDefault>
      <createdDate>2022-08-10T10:23:02Z</createdDate>
      <createdBy>John Doe (quays_jdoe)</createdBy>
      <description>updated using api</description>
      <tags>
        <includeTags/>
        <includeResolution>ANY</includeResolution>
        <excludeTags/>
        <tagSetUuid>4aea6227-9d3f-49f1-916e-a4449e15da7e</tagSetUuid>
      </tags>
      ...
      <securitySetting>
        <vmScanMode>AGENTUSER</vmScanMode>
      </securitySetting>
    </AgentConfig>
  </data>
</ServiceResponse>
```

Updated XSD

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

```
<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
xmlns:QG="http://ca.oxm.api.portal.qualys.com/v1"
xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
xmlns:qcommon="http://oxm.api.portal.qualys.com/common"
```

```

xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"
targetNamespace="http://ca.oxm.api.portal.qualys.com/v1"
elementFormDefault="qualified" jaxb:extensionBindingPrefixes="xjc"
jaxb:version="2.1">
  <import namespace="http://oxm.api.portal.qualys.com/common"
schemaLocation="http://oxm.api.portal.qualys.com/common/qualys_common.xsd
" />
  <include schemaLocation="configpriority.xsd" />
  <include schemaLocation="performanceprofile.xsd" />
  <include schemaLocation="agentblackoutconfig.xsd" />
  <include schemaLocation="tagset.xsd" />
  <include schemaLocation="agentSecuritySetting.xsd" />
  <!-- DATA -->
  <complexType name="AgentConfig">
    <sequence>
      <element name="id" type="long" minOccurs="1" />
      <element name="uuid" type="string" minOccurs="1" />
      <element name="name" type="string" minOccurs="1" />
      <element name="isDefault" type="int" minOccurs="1" />
      <element name="created_date" type="dateTime" minOccurs="1" />
      <element name="created_by" type="string" minOccurs="1" />
      <element name="description" type="string" minOccurs="1" />
      <element name="tags" type="QG:tagset" minOccurs="1" />
      <element name="suspendScanning" type="boolean" minOccurs="1" />
      <element name="preventAgentUpdate" type="boolean" minOccurs="1"
/>
      <element name="priority" type="QG:ConfigPriority" minOccurs="1"
/>
      <element name="totalAgents" type="long" minOccurs="1" />
      <element name="inMemoryDbEnabled" type="boolean" minOccurs="1" />
      <element name="qgsEnabled" type="boolean" minOccurs="0" />
      <element name="qgsGroupName" type="string" minOccurs="0" />
      <element name="blackoutConfig" type="QG:AgentBlackoutConfig"
minOccurs="0" />
      <element name="performanceProfile"
type="QG:AgentPerformanceProfile" minOccurs="1" />
      <element name="securitySetting" type="QG:SecuritySetting"
minOccurs="1" />
    </sequence>
  </complexType>
</schema>

```

Issues addressed

- We have fixed an issue where users can retrieve service name information for agent-tracked assets. Following are the impacted APIs:

- **GET:** <API server name>/qps/rest/2.0/get/am/hostasset/{assetid}
- **SEARCH:** <API server name>/qps/rest/2.0/search/am/hostasset/{assetid}

- Asset Management Tagging: The v2 APIs will now continue to support the connector CRUD operations for AWS and Azure. (version 3.13.0.1 onwards).