



Qualys Cloud Platform v3.x

API Release Notes

Version 3.8

September 22, 2021

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

[AM API: Added Support for Description Parameter for Asset Tags](#)

[AM API: Change in the Parameter to Retrieve Region for OCI](#)

Qualys API Server URL

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 3.8 brings you many more API improvements and updates!

[Issues Addressed](#)

AM API: Added Support for Description Parameter for Asset Tags

API affected	<code>/qps/rest/2.0/create/am/tag</code> <code>/qps/rest/2.0/update/am/tag/</code> <code>/qps/rest/2.0/search/am/tag/</code> <code>/qps/rest/2.0/get/am/tag</code>
New or Updated APIs	Updated API
DTD or XSD changes	Yes

With this release, we have added support for a new parameter, Description that allows you to add a description for the asset tags.

Sample: Create an asset tag with a description

Let us create an asset tag and a description.

API Request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"-X "POST" --  
"https://qualysapi.qualys.com/qps/rest/2.0/create/am/tag" < file.xml  
Note: "file.xml" contains the request POST data.
```

Request POST data

```
<ServiceRequest>  
  <data>  
    <Tag>  
      <name>Doc1</name>  
      <criticalityScore>2</criticalityScore>  
      <description>This is operationalStatus tag</description>  
      <color>#FFFFFF</color>  
    </Tag>  
  </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/rest/2.0/  
create/am/tag">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <Tag>  
      <id>16540220</id>  
      <name>Doc1</name>
```

```
<created>2021-08-26T16:04:42Z</created>
<modified>2021-08-26T16:04:42Z</modified>
<color>#FFFFFF</color>
<criticalityScore>2</criticalityScore>
<description>This is operationalStatus tag</description>
</Tag>
</data>
</ServiceResponse>
```

Sample: Update an asset tag with description

Let us update an asset tag with the description.

API Request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"-X "POST" --
"https://qualysapi.qualys.com/qps/rest/2.0/update/am/tag" < file.xml
Note: "file.xml" contains the request POST data.
```

Request POST data

```
<ServiceRequest>
  <data>
    <Tag>
      <description>updated description</description>
      <color>#FFFFFF</color>
    </Tag>
  </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/rest/2.0/
update/am/tag">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Tag>
      <id>16488612</id>
    </Tag>
  </data>
</ServiceResponse>
```

Sample: Search tag API returns description field in response

The search tag API returns the description for the asset tag.

API Request

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

Request POST data

```
<ServiceRequest>  
  <filters>  
    <Criteria field="ruleType" operator="EQUALS">CLOUD_ASSET</Criteria>  
  </filters>  
</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/rest/2.0/  
search/am/tag">  
  <responseCode>SUCCESS</responseCode>  
  <count>2</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <Tag>  
      <id>16547219</id>  
      <name>Cloud Asset</name>  
      <created>2021-08-27T11:03:59Z</created>  
      <modified>2021-08-27T11:03:59Z</modified>  
      <ruleText>aws.ec2.region.code:&quot;ap-south-1&quot;</ruleText>  
      <ruleType>CLOUD_ASSET</ruleType>  
      <provider>EC2</provider>  
      <description>This is to search Cloud Assets</description>  
    </Tag>  
  </data>  
</ServiceResponse>
```

Sample: Get tag API returns description for an asset tag

The Get response for a tag also returns the description for the asset tag.

API Request

```
curl -n -u "USERNAME:PASSWORD" -H "content-type: text/xml"-X "GET" --  
"https://qualysapi.qualys.com/rest/2.0/get/am/tag/16547219"
```

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/2.0/a  
m/tag.xsd">  
  <responseCode>SUCCESS</responseCode>
```

```
<count>1</count>
<data>
  <Tag>
    <id>16547219</id>
    <name>Cloud Asset</name>
    <created>2021-08-27T11:03:59Z</created>
    <modified>2021-08-27T11:03:59Z</modified>
    <ruleText>aws.ec2.region.code:&quot;ap-south-1&quot;</ruleText>
    <ruleType>CLOUD_ASSET</ruleType>
    <provider>EC2</provider>
    <description>This is to search Cloud Assets</description>
  </Tag>
</data>
</ServiceResponse>
```

XSD update for tag.xsd file

XSD: <platform API server>/qps/xsd/2.0/am/tag.xsd

We added Description element to TAG.XSD file.

```
<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://am.oxm.api.portal.qualys.com/v2"
  xmlns:tns="http://am.oxm.api.portal.qualys.com/v2"
  elementFormDefault="qualified"
  xmlns:common="http://oxm.api.portal.qualys.com/common">
  <complexType name="TagSimple">
    <sequence>
      <element name="id" type="long" />
      <element name="name" type="string" />
    </sequence>
  </complexType>

  <simpleType name="TagRuleType">
    <restriction base="string">
      <enumeration value="STATIC" />
      <enumeration value="GROOVY" />
      <enumeration value="OS_REGEX" />
      <enumeration value="NETWORK_RANGE" />
      <enumeration value="NETWORK_RANGE_ENHANCED" />
      <enumeration value="NAME_CONTAINS" />
      <enumeration value="INSTALLED_SOFTWARE" />
      <enumeration value="OPEN_PORTS" />
      <enumeration value="VULN_EXIST" />
      <enumeration value="ASSET_SEARCH" />
      <enumeration value="CLOUD_ASSET"/>
    </restriction>
  </simpleType>
```

```
<complexType name="TagSimpleQList">
  <sequence>
    <element name="count" type="int" maxOccurs="1" minOccurs="0"/>
    <element name="list" minOccurs="0" maxOccurs="unbounded"
type="tns:TagSimple"/>
    <element name="set" minOccurs="0" maxOccurs="unbounded"
type="tns:TagSimple"/>
    <element name="add" minOccurs="0" maxOccurs="unbounded"
type="tns:TagSimple"/>
    <element name="remove" minOccurs="0" maxOccurs="unbounded"
type="tns:TagSimple"/>
    <element name="update" minOccurs="0" maxOccurs="unbounded"
type="tns:TagSimple"/>
  </sequence>
</complexType>

<complexType name="Tag">
<complexContent>
<extension base="tns:TagSimple">
<sequence>
<element name="parentTagId" type="long" minOccurs="0" />

<element name="created" type="dateTime" minOccurs="0" />
<element name="modified" type="dateTime" minOccurs="0" />

<element name="color" minOccurs="0">
<simpleType>
<restriction base="string">
<pattern value="#[0-9a-fA-F]{3}([0-9a-fA-F]{3})?" />
</restriction>
</simpleType>
</element>

<element name="ruleText" type="string" minOccurs="0" />
<element name="ruleType" type="tns:TagRuleType" minOccurs="0" />

<element name="srcAssetGroupId" type="long" minOccurs="0" />
<element name="srcBusinessUnitId" type="long" minOccurs="0" />
<element name="srcOperatingSystemName" type="string" minOccurs="0" />
<element name="provider" type="string" minOccurs="0" />
<element name="children" type="tns:TagSimpleQList" minOccurs="0" />
<element name="criticalityScore" type="int" minOccurs="0" />
<element name="description" type="string" minOccurs="0" />
</sequence>
</extension>
</complexContent>
</complexType>
</schema>
```

AM API: Change in the Parameter to Retrieve Region for OCI

API affected	/qps/rest/2.0/search/am/hostasset/
New or Updated APIs	Updated
DTD or XSD changes	No

With this release, we have changed the parameter to retrieve region for OCI. You must use a new parameter `ociRegion` to retrieve the region for OCI.

Sample - Search host asset API OCI region for a host asset

API request:

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

Contents of download binary.xml

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceRequest>  
  <ServiceRequest>  
    <filters>  
      <Criteria field="ociRegion" operator="EQUALS">us-sanjose-  
1</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/portal-  
api/xsd/2.0/am/hostasset.xsd">  
  <?xml version="1.0" encoding="UTF-8"?>  
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:noNamespaceSchemaLocation="https://qualysapi.p01.eng.sjc01.qualys.com  
/qps/xsd/2.0/am/hostasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <HostAsset>  
      <id>9299194</id>  
      <name>root-udaya-sanjose</name>  
      <created>2021-06-30T23:29:19Z</created>  
      <modified>2021-07-27T11:30:22Z</modified>  
      <type>HOST</type>
```

```
<tags>
  <list>
    <TagSimple>
      <id>15905222</id>
      <name>OCI Assets</name>
    </TagSimple>
  </list>
</tags>
<sourceInfo>
  <list>
    <OciAssetSourceSimple>
      <assetId>9299194</assetId>
      <type>OCI</type>
      <firstDiscovered>2021-06-30T23:29:22Z</firstDiscovered>
      <lastUpdated>2021-06-30T23:29:22Z</lastUpdated>
      <ociId>ocid1.instance.oc1.us-sanjose-
1.anzwuljrchxdvzyesh2qks7qzish46cowycwqy763udbhkmoqkto6fvm4cpq</ociId>
      <displayName>root-udaya-sanjose</displayName>

<compartmentId>ocid1.tenancy.oc1..aaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsr
qar6kxn7itwhk7keokamq</compartmentId>
      <compartmentName>oraclecenggl</compartmentName>

<tenantId>ocid1.tenancy.oc1..aaaaaaaax2gwhq3hszjqhte5pgzijgyge6gvlsrqar6k
xn7itwhk7keokamq</tenantId>
      <tenantName>oraclecenggl</tenantName>
      <shape>VM.Standard.E4.Flex</shape>
      <state>RUNNING</state>
      <region>us-sanjose-1</region>
      <availabilityDomain>Lhcx:US-SANJOSE-1-AD-
1</availabilityDomain>
      <image>ocid1.image.oc1.us-sanjose-
1.aaaaaaaahpitrk7yc2u7tnujas2lgh2c6wnazujerfmf4zolz22grj3oaayna</image>
      <faultDomain>FAULT-DOMAIN-3</faultDomain>
      <hostName>root-udaya-sanjose</hostName>
    </OciAssetSourceSimple>
  </list>
</sourceInfo>
<fqdn>root-udaya-sanjose</fqdn>
<dnsHostName>root-udaya-sanjose</dnsHostName>
<address>10.0.0.212</address>
<trackingMethod>ORACLE</trackingMethod>
<networkInterface>
  <list>
    <HostAssetInterface>
      <hostname>root-udaya-sanjose</hostname>
      <interfaceId>02:00:17:00:7E:4C</interfaceId>
      <interfaceName>root-udaya-sanjose</interfaceName>
      <macAddress>02:00:17:00:7E:4C</macAddress>
```



```
        <type>PUBLIC</type>
        <address>10.0.0.212</address>
    </HostAssetInterface>
</list>
</networkInterface>
    <isDockerHost>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>
```

Issues Addressed

Asset Management

- We fixed an issue where you could not update the Azure connectors by using the API.
- We fixed an issue where if the password contained a colon (:), API endpoint authentication failed.

Cloud Agent

We fixed an issue where 'OTHER_ERROR' was displayed when the performance settings tags were not provided in the `/qps/rest/1.0/update/ca/agentconfig/` endpoint.

We fixed an issue where the `/qps/rest/2.0/get/am/hostasset/` API call was returning multiple vNIC for Oracle assets even if a single vNIC was installed on the system.