



Qualys Cloud Platform v3.x

API Release Notes

Version 3.5.1

March 09, 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: Support for Oracle Cloud Compute Instance](#)

[AM API: Dynamic Tags Excluded from Create/Update Requests](#)

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

AM API: Support for Oracle Cloud Compute Instance

API affected	/qps/rest/2.0/search/am/hostasset /qps/rest/2.0/get/am/hostasset/<id>
New or Updated APIs	Updated API
DTD or XSD changes	Yes

We now allow you to search for Oracle Cloud Compute instances (OCI). The search request returns a list of host assets matching the provided criteria. Assets are returned when they are visible to the user (i.e. in the user's scope).

Permissions

- You must have the AM module enabled.
- You must have the "API access" permission and Asset Management Permission "Read Asset"

Input Parameters

The Search Host Asset API supports POST method. We support the following optional filters that are available for the Search Host Asset API.

Parameter	Description
ociId	(string) The ID of your OCI.
compartmentId	(string) The compartment ID of your OCI.
hostName	(string) OCI asset host name
ociTagKey	(string) OCI tags in lowercase. For example, owner, department, email, lifecycle, name, etc.
ociTagValue	(string) Values for the OCI tag keys.
id	(string) OCI asset ID

Note: For Oracle Cloud Compute instances, ociTagKey, and ociTagValue, all other parameters are case sensitive. All parameters support text input with EQUALS operator. The ociTagKey and ociTagValue parameters support EQUALS, CONTAINS.

[Sample: Search OCI instances by OCIId](#)

[Sample: Search OCI instances by compartmentId](#)

[Sample: Search OCI instances by ociTagKey](#)

[Sample: Search OCI instances by ociTagValue](#)

[Sample: Search OCI instances by hostName](#)

Sample: Get OCI Host Asset Info

Sample: Search OCI instances by OCIId

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>  
  <filters>  
    <Criteria field="ociId"  
operator="EQUALS">ocid1.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bcht  
kvhwtcc3qibtjzkzlaehvjdu2nkva</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/xsd/2.0/am/ho  
stasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <HostAsset>  
      <id>17869517</id>  
      <name>instance-20210120-1759</name>  
      <created>2021-03-04T12:35:30Z</created>  
      <modified>2021-03-05T12:27:04Z</modified>  
      <type>HOST</type>  
      <tags>  
        <list>  
          <TagSimple>  
            <id>107379616</id>  
            <name>Cloud Agent</name>  
          </TagSimple>  
        </list>  
      </tags>  
      <sourceInfo>  
        <list>  
          <AssetSource/>  
          <OciAssetSourceSimple>
```

```
        <assetId>17869517</assetId>
        <type>OCI</type>
        <firstDiscovered>2021-03-
04T12:35:30Z</firstDiscovered>
        <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>

<ociId>ocid1.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwttcc3qib
tjkzlaehvjdu2nkva</ociId>

<compartmentId>ocid1.compartment.oc1..aaaaaaaaravlbhcx2ajiaagh57wrurvqs2ub
d4ttaimgy22cxh3r6brpmmugq</compartmentId>
    <ociInstanceTags>
        <tags>
            <list>
                <OciTag>
                    <key>CreatedBy</key>
<value>oktasso_qualys_oraclecenguser_john@qualys.com</value>
                    <type>DEFINED</type>
                    <namespace>OracleTags</namespace>
                </OciTag>
            </list>
        </tags>
    </ociInstanceTags>
    <ociVnic>
        <vnic>
            <list>
                <OciVnic>
                    <vlanTag>0</vlanTag>
<privateIpAddress>10.0.0.6</privateIpAddress>
<macAddress>02:00:17:06:54:64</macAddress>
                </OciVnic>
            </list>
        </vnic>
    </ociVnic>
    </OciAssetSourceSimple>
</list>
</sourceInfo>
...
    </list>
</networkInterface>
<isDockerHost>>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>
```

Sample: Search OCI instances by compartmentId

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>  
  <filters>  
    <Criteria field="compartmentId"  
operator="EQUALS">ocid1.compartment.oc1..aaaaaaaaravlbhcx2ajiagh57wrurvqs  
2ubd4ttaimgy22cxh3r6brpmmugq</Criteria>  
  </filters>  
</ServiceRequest>
```

XML Output

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/xsd/2.0/am/hos  
tasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <HostAsset>  
      <id>17869517</id>  
      <name>instance-20210120-1759</name>  
      <created>2021-03-04T12:35:30Z</created>  
      <modified>2021-03-05T12:27:04Z</modified>  
      <type>HOST</type>  
      <tags>  
        <list>  
          <TagSimple>  
            <id>107379616</id>  
            <name>Cloud Agent</name>  
          </TagSimple>  
        </list>  
      </tags>  
      <sourceInfo>  
        <list>  
          <AssetSource/>  
          <OciAssetSourceSimple>  
            <assetId>17869517</assetId>  
            <type>OCI</type>
```

```
        <firstDiscovered>2021-03-
04T12:35:30Z</firstDiscovered>
        <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>

<ociId>ocidl.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwhtcc3qib
tjkzlaehvjdu2nkva</ociId>

<compartmentId>ocidl.compartment.oc1..aaaaaaaaravlbhcx2ajiaqh57wrurvqs2ub
d4ttaimgy22cxh3r6brpmmugq</compartmentId>
    <ociInstanceTags>
        <tags>
            <list>
                <OciTag>
                    <key>CreatedBy</key>

<value>oktasso_qualys_oraclecengguser_john@qualys.com</value>
                    <type>DEFINED</type>
                    <namespace>OracleTags</namespace>
                </OciTag>
            </list>
        </tags>
    </ociInstanceTags>
    <ociVnic>
        <vnic>
            <list>
                <OciVnic>
                    <vlanTag>0</vlanTag>

<privateIpAddress>10.0.0.6</privateIpAddress>

<macAddress>02:00:17:06:54:64</macAddress>
                </OciVnic>
            </list>
        </vnic>
    </ociVnic>
    </OciAssetSourceSimple>
</list>
</sourceInfo>

...

```

Sample: Search OCI instances by ociTagKey

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>
  <filters>
    <Criteria field="ociTagKey"
operator="EQUALS">createdby</Criteria>
  </filters>
</ServiceRequest>
```

XML Output

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="http://qualysapi.qualys.com/xsd/2.0/am/hos
tasset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>>false</hasMoreRecords>
  <data>
    <HostAsset>
      <id>17869517</id>
      <name>instance-20210120-1759</name>
      <created>2021-03-04T12:35:30Z</created>
      <modified>2021-03-05T12:27:04Z</modified>
      <type>HOST</type>
      <tags>
        <list>
          <TagSimple>
            <id>107379616</id>
            <name>Cloud Agent</name>
          </TagSimple>
        </list>
      </tags>
      <sourceInfo>
        <list>
          <AssetSource/>
          <OciAssetSourceSimple>
            <assetId>17869517</assetId>
            <type>OCI</type>
            <firstDiscovered>2021-03-
04T12:35:30Z</firstDiscovered>
            <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>
          </OciAssetSourceSimple>
        </list>
      </sourceInfo>
      <ociId>ocidl.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwtcc3qib
tjzkzlaehvjdu2nkva</ociId>
      <compartmentId>ocidl.compartment.oc1..aaaaaaaaravlbhcx2ajiagh57wrurvqs2ub
d4ttaimgy22cxh3r6brpmmugq</compartmentId>
```

```
<ociInstanceTags>
  <tags>
    <list>
      <OciTag>
        <key>CreatedBy</key>
</value>oktasso_qualys_oraclecengguser_john@qualys.com</value>
        <type>DEFINED</type>
        <namespace>OracleTags</namespace>
      </OciTag>
    </list>
  </tags>
</ociInstanceTags>
<ociVnic>
  <vnic>
    <list>
      <OciVnic>
        <vlanTag>0</vlanTag>
</privateIpAddress>10.0.0.6</privateIpAddress>
<macAddress>02:00:17:06:54:64</macAddress>
      </OciVnic>
    </list>
  </vnic>
</ociVnic>
  </OciAssetSourceSimple>
</list>
</sourceInfo>
...
</networkInterface>
  <isDockerHost>>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>
```

Sample: Search OCI instances by ociTagValue

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>
  <filters>
```



```
      <Criteria field="ociTagKey"  
operator="EQUALS">oktasso_qualys_oraclecengguser_john@qualys.com</Criteri  
a>  
    </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/xsd/2.0/am/ho  
stasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <HostAsset>  
      <id>17869517</id>  
      <name>instance-20210120-1759</name>  
      <created>2021-03-04T12:35:30Z</created>  
      <modified>2021-03-05T12:27:04Z</modified>  
      <type>HOST</type>  
      <tags>  
        <list>  
          <TagSimple>  
            <id>107379616</id>  
            <name>Cloud Agent</name>  
          </TagSimple>  
        </list>  
      </tags>  
      <sourceInfo>  
        <list>  
          <AssetSource/>  
          <OciAssetSourceSimple>  
            <assetId>17869517</assetId>  
            <type>OCI</type>  
            <firstDiscovered>2021-03-  
04T12:35:30Z</firstDiscovered>  
            <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>  
          </OciAssetSourceSimple>  
        </list>  
      </sourceInfo>  
      <ociId>ocid1.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwttcc3qib  
tjzkzlaehvjdu2nkva</ociId>  
      <compartmentId>ocid1.compartment.oc1..aaaaaaaaravlbhcx2ajiaagh57wrurvqs2ub  
d4ttaimgy22cxh3r6brpmmugq</compartmentId>  
      <ociInstanceTags>  
        <tags>  
          <list>  
            <OciTag>
```

```
                <key>CreatedBy</key>
<value>oktasso_qualys_oraclecengguser_john@qualys.com</value>
                <type>DEFINED</type>
                <namespace>OracleTags</namespace>
            </OciTag>
        </list>
    </tags>
</ociInstanceTags>
<ociVnic>
    <vnic>
        <list>
            <OciVnic>
                <vlanTag>0</vlanTag>
            </OciVnic>
        </list>
    </vnic>
</ociVnic>
</OciAssetSourceSimple>
</list>
</sourceInfo>
...
</networkInterface>
    <isDockerHost>>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>
```

Sample: Search OCI instances by hostName

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>
  <filters>
    <Criteria field="hostname"
operator="EQUALS">sample_host</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/xsd/2.0/am/ho
stasset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>>false</hasMoreRecords>
  <data>
    <HostAsset>
      <id>17869517</id>
      <name>instance-20210120-1759</name>
      <created>2021-03-04T12:35:30Z</created>
      <modified>2021-03-05T12:27:04Z</modified>
      <type>HOST</type>
      <tags>
        <list>
          <TagSimple>
            <id>107379616</id>
            <name>Cloud Agent</name>
          </TagSimple>
        </list>
      </tags>
      <sourceInfo>
        <list>
          <AssetSource/>
          <OciAssetSourceSimple>
            <assetId>17869517</assetId>
            <type>OCI</type>
            <firstDiscovered>2021-03-
04T12:35:30Z</firstDiscovered>
            <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>
          </OciAssetSourceSimple>
        </list>
      </sourceInfo>
      <ociId>ocidl.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwttcc3qib
tjkzlaehvjdu2nkva</ociId>
      <compartmentId>ocidl.compartment.oc1..aaaaaaaaravlbhcx2ajiagh57wrurvqs2ub
d4ttaimgy22cxh3r6brpmmugq</compartmentId>
      <ociInstanceTags>
        <tags>
          <list>
            <OciTag>
              <key>CreatedBy</key>
              <value>oktasso_qualys_oraclecengguser_john@qualys.com</value>
              <type>DEFINED</type>
            </OciTag>
          </list>
        </tags>
      </ociInstanceTags>
    </HostAsset>
  </data>
</ServiceResponse>
</namespace>OracleTags</namespace>
```

```
        </OciTag>
      </list>
    </tags>
  </ociInstanceTags>
  <ociVnic>
    <vnic>
      <list>
        <OciVnic>
          <vlanTag>0</vlanTag>
        </OciVnic>
      </list>
    </vnic>
  </ociVnic>
  </ociAssetSourceSimple>
</list>
</sourceInfo>
...
</networkInterface>
  <isDockerHost>>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>
```

Sample: Get OCI Host Asset Info

Sample - Search Oracle Cloud Compute Instances

API Request

```
curl -u "USERNAME:PASSWORD" -X "GET" --
"https://qualysapi.qualys.com/qps/rest/2.0/get/am/hostasset/1940247"
```

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/xsd/2.0/am/ho
stasset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>>false</hasMoreRecords>
  <data>
    <HostAsset>
      <id>17869517</id>
      <name>instance-20210120-1759</name>
      <created>2021-03-04T12:35:30Z</created>
```

```
<modified>2021-03-05T12:27:04Z</modified>
<type>HOST</type>
<tags>
  <list>
    <TagSimple>
      <id>107379616</id>
      <name>Cloud Agent</name>
    </TagSimple>
  </list>
</tags>
<sourceInfo>
  <list>
    <AssetSource/>
    <OciAssetSourceSimple>
      <assetId>17869517</assetId>
      <type>OCI</type>
      <firstDiscovered>2021-03-
04T12:35:30Z</firstDiscovered>
      <lastUpdated>2021-03-04T12:35:30Z</lastUpdated>

<ociId>ocidl.instance.oc1.iad.anuwcljtchxdvzyc25xlg4ldfb34bchtkvhwhtcc3qib
tjkzlaehvjdu2nkva</ociId>

<compartmentId>ocidl.compartment.oc1..aaaaaaaaravlbhcx2ajiagh57wrurvqs2ub
d4ttaimgy22cxh3r6brpmmugq</compartmentId>
  <ociInstanceTags>
    <tags>
      <list>
        <OciTag>
          <key>CreatedBy</key>
          <value>oktasso_qualys_oraclecengguser_john@qualys.com<</value>
          <type>DEFINED</type>
          <namespace>OracleTags</namespace>
        </OciTag>
      </list>
    </tags>
  </ociInstanceTags>
  <ociVnic>
    <vnic>
      <list>
        <OciVnic>
          <vlanTag>0</vlanTag>
          <privateIpAddress>10.0.0.6</privateIpAddress>
          <macAddress>02:00:17:06:54:64</macAddress>
        </OciVnic>
      </list>
    </vnic>
  </ociVnic>
</list>
```

```

        </vnic>
        </ociVnic>
    </OciAssetSourceSimple>
</list>
</sourceInfo>
...
<HostAssetInterface>
    <interfaceName>ens3      Link encap:Ethernet  HWaddr
02:00:17:06:54</interfaceName>
        <macAddress>02:00:17:06:54:64</macAddress>
        <type>LOCAL</type>
        <address>fe80:0:0:0:0:17ff:fe06:5464</address>
        <gatewayAddress>10.0.0.1</gatewayAddress>
    </HostAssetInterface>
</list>
</networkInterface>
<isDockerHost>>false</isDockerHost>
</HostAsset>
</data>
</ServiceResponse>

```

XSD Updates

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

```

...
simpleType name="AssetSourceType" final="restriction">
    <restriction base="string">
        <enumeration value="EC2" />
        <enumeration value="LDAP" />
        <enumeration value="AZURE" />
        <enumeration value="GCP" />
        <enumeration value="IBM" />
        <enumeration value="OCI"/>
        <enumeration value="VMWARE_VSPHERE" />
    </restriction>
</simpleType>
...
<complexType name="OciAssetSourceSimple">
    <complexContent>
        <extension base="tns:AssetSource">
            <sequence>
                <element name="ociId" type="string" minOccurs="0"/>
                <element name="displayName" type="string" minOccurs="0"/>
                <element name="compartmentId" type="string" minOccurs="0"/>
                <element name="shape" type="string" minOccurs="0"/>
                <element name="state" type="tns:AssetSourceStateCode"
minOccurs="0"/>
                <element name="region" type="string" minOccurs="0"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>

```

```

        <element name="availabilityDomain" type="string"
minOccurs="0"/>
        <element name="image" type="string" minOccurs="0"/>
        <element name="faultDomain" type="string" minOccurs="0"/>
        <element name="hostName" type="string" minOccurs="0"/>
        <element name="canonicalRegion" type="string"
minOccurs="0"/>
        <element name="ociInstanceTags" type="tns:OciInstanceTags"
minOccurs="0"/>
        <element name="ociVnic" type="tns:OciInstanceVnic"
minOccurs="0"/>
    </sequence>
</extension>
</complexContent>
</complexType>
...
<!-- OCI tags -->
<complexType name="OciInstanceTags">
    <sequence>
        <element name="tags" type="tns:OciTagsQList" minOccurs="1"/>
    </sequence>
</complexType>

<complexType name="OciTag">
    <sequence>
        <element name="key" type="string"/>
        <element name="value" type="string"/>
        <element name="type" type="string"/>
        <element name="namespace" type="string"/>
    </sequence>
</complexType>

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

```

```
<!-- OCI VNIC -->
<complexType name="OciInstanceVnic">
  <sequence>
    <element name="vnic" type="tns:OciVnicQList" minOccurs="1"/>
  </sequence>
</complexType>

<complexType name="OciVnic">
  <sequence>
    <element name="ociId" type="string"/>
    <element name="vnicId" type="string"/>
    <element name="vlanTag" type="int"/>
    <element name="virtualRouterIp" type="string"/>
    <element name="subnetCidrBlock" type="string"/>
    <element name="privateIpAddress" type="string"/>
    <element name="macAddress" type="string"/>
  </sequence>
</complexType>

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


AM API: Dynamic Tags Excluded from Create/Update Requests

API affected	<code>/qps/rest/2.0/create/am/hostasset</code> <code>/qps/rest/2.0/update/am/hostasset</code> <code>/qps/rest/2.0/update/am/hostasset/<asset_id></code> <code>/qps/rest/2.0/update/am/asset</code> <code>/qps/rest/2.0/update/am/asset/<asset_id></code>
New or Updated APIs	Updated
DTD or XSD changes	No

We have now restricted our asset create/update requests to static tags and have excluded dynamic tags. With this release, we will decline a request if the request contains TagSimple list having a dynamic tag for add/remove/set operation. The request is processed if it contains only static tags.

In case of the set operation, if the request includes static tags, then the existing static tags are removed and new static tags (specified in the request) are applied on that particular asset. All the existing system or dynamic tags are retained as is. You cannot add or remove dynamic tags manually.

Permissions

- You must have the AM module enabled.
- You must have the "API access" permission.

Sample - Request to add tags to a host asset

The finding details to add tag information.

API Request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --  
"https://qualysapi.qualys.com/qps/rest/2.0/update/am/hostasset/3458268"<  
file.xml
```

Note: "file.xml" contains the request POST data.

Request POST Data

```
<ServiceRequest>  
<data>  
<HostAsset>  
<tags><add>  
  <TagSimple><id>11307825</id></TagSimple>  
</add>  
</tags>  
</HostAsset>
```

```
</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/2.0/am/hostasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <HostAsset>  
      <id>3458268</id>  
    </HostAsset>  
  </data>  
</ServiceResponse>
```

Sample - Update the host asset with tags

Let us update the host asset tags.

API Request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --  
"https://qualysapi.qualys.com/qps/rest/2.0/update/am/hostasset"<  
file.xml
```

Note: "file.xml" contains the request POST data.

Request POST data

```
<ServiceRequest>  
<filters>  
<Criteria field="id" operator="EQUALS">3458268</Criteria>  
</filters>  
<data>  
<HostAsset>  
<tags>  
<add>  
<TagSimple>  
<id>11175413</id>  
</TagSimple>  
</add>  
</tags>  
</HostAsset>  
</data>  
</ServiceRequest>
```

XML Output

```
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="qualysapi.qualys.com/qps/xsd/2.0/am/hostas
set.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <HostAsset>
      <id>3458268</id>
    </HostAsset>
  </data>
</ServiceResponse>
```

Sample - Create host asset with tags

Let us try to create a host asset using tags.

API Request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
"https://qualysapi.qualys.com/qps/rest/2.0/create/am/hostasset"<
file.xml
```

Note: "file.xml" contains the request POST data.

Request POST data

```
<ServiceRequest>
  <data>
    <HostAsset>
      <name>Windows 95</name>
      <tags>
        <add>
          <TagSimple><id>11175413</id></TagSimple>
        </add>
      </tags>
      <os>Windows 7</os>
      <dnsHostName>localhost</dnsHostName>
      <netbiosName>TEST</netbiosName>
      <netbiosNetworkId>10</netbiosNetworkId>
      <networkGuid>66bf43c8-7392-4257-b856-a320fde231eb</networkGuid>
      <address>255.255.255.0</address>
      <trackingMethod>IP</trackingMethod>
      <software>
        <set>
          <HostAssetSoftware>
            <name>Photoshop</name>
            <version>9</version>
          </HostAssetSoftware>
        </set>
      </software>
    </HostAsset>
  </data>
</ServiceRequest>
```

```
</HostAsset>  
</data>  
</ServiceRequest>
```

XML Output

```
<S?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/hostasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>1</count>  
  <data>  
    <HostAsset>  
      <id>7992387</id>  
      <name>Windows 95</name>  
      <created>2021-03-08T13:00:29Z</created>  
      <modified>2021-03-08T13:00:29Z</modified>  
      <type>HOST</type>  
      <tags>  
        <list>  
          <TagSimple>  
            <id>11175413</id>  
            <name>Static</name>  
          </TagSimple>  
        </list>  
      </tags>  
      <os>Windows 7</os>  
      <dnsHostName>localhost</dnsHostName>  
      <netbiosName>TEST</netbiosName>  
      <netbiosNetworkId>10</netbiosNetworkId>  
      <networkGuid>66bf43c8-7392-4257-b856-  
a320fde231eb</networkGuid>  
      <address>255.255.255.0</address>  
      <trackingMethod>IP</trackingMethod>  
      <software>  
        <list>  
          <HostAssetSoftware>  
            <name>Photoshop</name>  
            <version>9</version>  
          </HostAssetSoftware>  
        </list>  
      </software>  
      <networkInterface>  
        <list>  
          <HostAssetInterface>  
            <hostname>localhost</hostname>  
            <type>LOCAL</type>  
            <address>255.255.255.0</address>
```

```
        </HostAssetInterface>
    </list>
</networkInterface>
</HostAsset>
</data>
</ServiceResponse>
```

Sample - Update the asset with tags

Let us update the asset tags.

API Request

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
"https://qualysapi.qualys.com/qps/rest/2.0/update/am/asset" < file.xml
```

Note: "file.xml" contains the request POST data.

Request POST data

```
<ServiceRequest>
<filters>
<Criteria field="id" operator="IN">8006386</Criteria>
</filters>
<data>
<Asset>
<tags>
<add>
<TagSimple>
<id>13745031</id>
</TagSimple>
</add>
</tags>
</Asset>
</data>
</ServiceRequest>
```

XML Output

```
<ServiceResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="https://qualysapi.qualys.com/qps/xsd/2.0/a
m/asset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Asset>
      <id>8006386</id>
    </Asset>
  </data>
</ServiceResponse>
```