



Qualys Cloud Platform v3.x

API Release Notes

Version 3.1.1

July 20, 2020

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: Details for Azure Assets](#)

[CA API: Support for Security Analytics \(SA\) module](#)

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.

AM API: Details for Azure Assets

API affected	<code>/qps/rest/2.0/get/am/hostasset/<id></code> <code>/qps/rest/2.0/search/am/hostasset</code>
New or Updated APIs	Updated API
DTD or XSD changes	No

We have enhanced search for Microsoft Azure VM instances with the new parameters that we have introduced. Using the new inputs parameters, you can refine your search criteria for VM instances.

For example, you can now search for VM instances with a specific state or location or associated with a particular subscription Id.

Permissions

- 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

Parameter	Description
Azure Assets	
vmId	(text) The ID of your VM instance.
subscriptionId	(text) Your unique Microsoft Azure subscription ID.
location	(text) Specify the location code for the Azure region. For example, centralindia, westus2.
state	VM (keyword) The Instance state. You can specify one of the following states:STARTING, RUNNING, STOPPING, STOPPED, DEALLOCATED, DEALLOCATING, DELETED.
subnet	(text) ID of the subnet where your VM instance is located (when Azure VPC is used).
resourceGroup	(text) Type of the resource group to which the VM instance belongs.
resourceGroupName	(text) Name of the resource group type to which the VM instance belongs.
privateIpAddress	(text) The private IP address of the VM instance.
publicIpAddress	(text) The public IP address of the VM instance.
azureTagKey	(text) VM instance tags. For example, Owner, Department, Email, Lifecycle, Name, etc.
azureTagValue	(text) Values for the VM instance tag keys.
imageOffer	(text) Image offer of the VM instance.
imageVersion	(text) Image version of the VM instance.

Sample - Search for Azure VM instances with certain VM Id

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 (file.xml):

```
<ServiceRequest>
  <filters>
    <Criteria field="vmId" operator="EQUALS">399af5dc-c32a-4c40-95a5-c6ed0e786430</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/xsd/2.0/
am/hostasset.xsd">
<responseCode>SUCCESS</responseCode>
  <count>1</count>
  <hasMoreRecords>false</hasMoreRecords>
  <data>
    <HostAsset>
      <id>2687821</id>
      <name>user_john</name>
      <created>2019-10-31T22:26:46Z</created>
      <modified>2020-06-08T23:51:19Z</modified>
      <type>HOST</type>
      <sourceInfo>
        <list>
          <list>
            <AzureAssetSourceSimple>
              <assetId>15057804</assetId>
              <type>AZURE</type>
              <firstDiscovered>2020-07-01T00:04:05Z</firstDiscovered>
              <lastUpdated>2020-07-14T07:01:54Z</lastUpdated>
              <azureVmTags>
                <tags>
                  <list/>
                </tags>
              </azureVmTags>
              <name>John Doe</name>
              <location>centralus</location>
              <vmSize>Standard_D2</vmSize>
              <vmId>399af5dc-c32a-4c40-95a5-c6ed0e786430</vmId>
              <offer>Windows-10</offer>
              <state>DEALLOCATED</state>
              <publisher>MicrosoftWindowsDesktop</publisher>
              <version>latest</version>
              <osType>Windows</osType>
              <subnet>default</subnet>
              <subscriptionId>XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXXXXXX</subscriptionId>
              <resourceGroupName>sample_resource</resourceGroupName>
              <macAddress>00-0D-3A-3F-73-D1</macAddress>
              <privateIpAddress>10.4.8.4</privateIpAddress>
            </AzureAssetSourceSimple>
          </list>
        </list>
      </sourceInfo>
    </HostAsset>
  </data>
  ...

```

```
</ServiceResponse>
```

Sample - Search for Azure VM instances with specific state

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 (file.xml):

```
<ServiceRequest>  
  <filters>  
    <Criteria field="state" operator="EQUALS">DEALLOCATED</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/xsd/2.0/am/hostasset.xsd">  
  <responseCode>SUCCESS</responseCode>  
  <count>9</count>  
  <hasMoreRecords>>false</hasMoreRecords>  
  <data>  
    <HostAsset>  
      <id>2584223</id>  
      <name>user_john</name>  
      <created>2019-03-04T13:12:30Z</created>  
      <modified>2019-03-07T13:37:02Z</modified>  
      <type>HOST</type>  
      <tags>  
        <list>  
          <TagSimple>  
            <id>7517812</id>  
            <name>Sample Tag</name>  
          </TagSimple>  
        </list>  
      </tags>  
      <sourceInfo>  
        <list>  
          <AzureAssetSourceSimple>  
            <assetId>2545223</assetId>  
            <type>AZURE</type>
```

```
<firstDiscovered>2019-03-04T13:13:59Z</firstDiscovered>
<lastUpdated>2019-05-09T08:51:37Z</lastUpdated>
<azureVmTags>
  <tags>
    <list>
      <AzureTags>
        <key>Owner</key>
        <value>John</value>
      </AzureTags>
    </list>
  </tags>
</azureVmTags>
<name>sample_resource</name>
<location>centralindia</location>
<vmSize>Standard_B1s</vmSize>
<vmId>d021a491-482a-4d3c-84bb-27b21a681e13</vmId>
<offer>CentOS</offer>
<state>DEALLOCATED</state>
<publisher>OpenLogic</publisher>
<version>latest</version>
<osType>Linux</osType>
<subnet>default</subnet>
<subscriptionId>XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXX</subscriptionId>
  <resourceGroupName>sample_resource_group_name</resourceGroupName>
  <privateIpAddress>172.17.1.5</privateIpAddress>
  </AzureAssetSourceSimple>
</list>
</sourceInfo>
<qwebHostId>41049</qwebHostId>
<fqdn>sample_resource_fqdn</fqdn>
<os>Linux</os>
<dnsHostName>sample_resource_dns</dnsHostName>
<trackingMethod>VIRTUAL_MACHINE_ID</trackingMethod>
<networkInterface>
  <list>
    <HostAssetInterface>
      <type>PRIVATE</type>
      <address>172.16.1.4</address>
    </HostAssetInterface>
  </list>
</networkInterface>
<isDockerHost>>false</isDockerHost>
</HostAsset>
...
</data>
</ServiceResponse>
```

Sample - Search for Azure VM instances with certain state criteria

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 (file.xml):

```
<ServiceRequest>
  <filters>
    <Criteria field="state" operator="NOT
EQUALS">deallocated</Criteria>
    <Criteria field="state" operator="NOT EQUALS">running</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/xsd/2.0/
am/hostasset.xsd">
<responseCode>SUCCESS</responseCode>
...
</azureVmTags>
  <name>ppWin2019</name>
  <location>eastus</location>
  <vmSize>Standard_B1ms</vmSize>
  <vmId>39774deb-387e-496d-bd2b-5f1217254c51</vmId>
  <offer>WindowsServer</offer>
  <state>DELETED</state>
  <publisher>MicrosoftWindowsServer</publisher>
  <version>latest</version>
  <osType>Windows</osType>
  <subnet>default</subnet>
  <subscriptionId>XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXX</subscriptionId>
  <resourceGroupName>pprg01</resourceGroupName>
  <macAddress>00-0D-3A-9B-3E-C4</macAddress>
  <publicIpAddress>52.152.137.61</publicIpAddress>
  <privateIpAddress>172.16.4.4</privateIpAddress>
</AzureAssetSourceSimple>
....
<name>AmyP01ia79Win</name>
  <location>eastus</location>
  <vmSize>Standard_D2s_v3</vmSize>
```

```
<vmId>445d095d-f82f-4fde-9dac-9681d132fe0c</vmId>
<offer>Windows-10</offer>
<state>DELETED</state>
<publisher>MicrosoftWindowsDesktop</publisher>
<version>latest</version>
<osType>Windows</osType>
<subnet>subnet-2849</subnet>
<subscriptionId>XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXX</subscriptionId>
<resourceGroupName>DefaultResourceGroup-
EUS</resourceGroupName>
<macAddress>00-0D-3A-54-CE-E9</macAddress>
<privateIpAddress>10.95.0.150</privateIpAddress>
</AzureAssetSourceSimple>
...
</ServiceResponse>
```

Sample - Search for Azure VM instances with specific subscription Id

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 (file.xml):

```
<ServiceRequest>
  <filters>
    <Criteria field="subscriptionId" operator="EQUALS">9de9e0a7-
4f67-4812-917d-2246853844e1</Criteria>
    <Criteria field="state" operator="EQUALS">DELETED</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/xsd/2.0/
am/hostasset.xsd">
<responseCode>SUCCESS</responseCode>
...
</ServiceResponse>
```


Sample - Search for Azure VM instances with specific location

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 (file.xml):

```
<ServiceRequest>
  <filters>
    <Criteria field="location" operator="EQUALS">centralindia</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/xsd/2.0/
am/hostasset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>12</count>
  <hasMoreRecords>>false</hasMoreRecords>
  <data>
    <HostAsset>
      <id>2584219</id>
      <name>sample_resource</name>
      <created>2019-03-04T13:12:31Z</created>
      <modified>2019-05-07T16:51:42Z</modified>
      ...
      </azureVmTags>
      <name>sample_resource</name>
      <location>centralindia</location>
      <vmSize>Standard_B1s</vmSize>
      <vmId>190839b8-4331-460e-b876-f565a063fddc</vmId>
      <offer>WindowsServer</offer>
      <state>DELETED</state>
      <publisher>MicrosoftWindowsServer</publisher>
      <version>latest</version>
      <osType>Windows</osType>
      <subnet>default</subnet>
      <subscriptionId>XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXX</subscriptionId>
      ...
    </data>
  </ServiceResponse>
```

CA API: Support for Security Analytics (SA) module

API affected	/qps/rest/2.0/activate/am/asset/ /qps/rest/2.0/deactivate/am/asset/ /qps/rest/1.0/create/ca/agentactkey/
New or Updated APIs	No
DTD or XSD changes	No

With this release, you can activate or deactivate agents for Security Analytics (SA) module, create agent key for SA using APIs in Cloud Agent. A new value for **modules** parameter is introduced for SA module - "AGENT_SA".

Permissions

- You must have the subscribed Log Collector to activate, deactivate agents or to create agent key for SA.

Sample - Activate single agent for SA 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?modu
le=AGENT_SA"
```

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

Contents of single_activation.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/a
m/asset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Asset>
      <id>5808297</id>
      <name>qubul404spp4</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 - Deactivate single agent for SA 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_SA"
```

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

Contents of single_deactivation.xml:

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

Sample - Bulk activation of SA module with different search filter

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=AGENT
_SA"
```

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>
```

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/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>
```

Sample - Bulk deactivation of SA module with different search filter

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=AGE
NT_SA"
```

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>
```

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/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>
```

```
        </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>
```

Sample - Activate agent on multiple modules

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?modu
le=AGENT_SA,AGENT_VM,AGENT_PC"
```

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

Contents of single_activation.xml

```
<?xml version="1.0" encoding="UTF-8" ?> <ServiceRequest>
</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/a
m/asset.xsd">
  <responseCode>SUCCESS</responseCode>
  <count>1</count>
  <data>
    <Asset>
      <id>5808297</id>
      <name>qubul404spp4</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 - Deactivate agent on multiple modules

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_SA,AGENT_VM"
```

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

Contents of single_deactivation.xml:

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

Sample - Create agent activation key for SA

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>  
      <modules>  
        <list>  
          <ActivationKeyModule>  
            <license>SA</license>  
          </ActivationKeyModule>  
        </list>  
      </modules>  
      <tags>  
        <list>  
          <Tag>  
            <id>522325</id>  
            <name>Temp Tag</name>  
          </Tag>  
        </list>  
      </tags>  
      <agents>  
        <list/>  
      </agents>  
    </AgentActKey>  
  </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/c
a/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>SA</license>
          </ActivationKeyModule>
        </list>
      </modules>
      <tags>
        <list>
          <Tag>
            <id>522325</id>
            <name>Temp Tag</name>
          </Tag>
        </list>
      </tags>
      <agents>
        <list/>
      </agents>
    </AgentActKey>
  </data>
</ServiceResponse>
```