Qualys Cloud Platform (VM, PC) v8.x

API Release Notes

Version 8.13

March 22, 2018

This new version of the Qualys Cloud Platform (VM, PC) includes improvements to the Qualys API. 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

URL to the Qualys API Server

Qualys maintains multiple Qualys platforms. The Qualys API server URL that you should use for API requests depends on the platform where your account is located.

Account Location	API Server URL
Qualys US Platform 1	https://qualysapi.qualys.com
Qualys US Platform 2	https://qualysapi.qg2.apps.qualys.com
Qualys US Platform 3	https://qualysapi.qg3.apps.qualys.com
Qualys EU Platform 1	https://qualysapi.qualys.eu
Qualys EU Platform 2	https://qualysapi.qg2.apps.qualys.eu
Qualys India Platform 1	https://qualysapi.qg1.apps.qualys.in
Qualys Private Cloud Platform	https://qualysapi.<customer_base_url>

The Qualys API documentation and sample code use the API server URL for the Qualys US Platform 1. If your account is located on another platform, please replace this URL with the appropriate server URL for your account.

Option Profile API - New Test Authentication Option

API affected	/api/2.0/fo/subscription/option_profile/
New or Updated API	Updated
DTD or XSD changes	Yes

We added a new element to the option profile API. When you export/import an option profile we'll show you whether the Test Authentication option is enabled or disabled.

Input Parameters

New input parameters are described below.

Parameter	Description
action={export|import}	(Required) For export, the GET or POST method may be used. For import, the POST method must be used.
TEST_AUTHENTICATION={0|1}	(Optional) Specify 1 to enable the option. When you export an option profile, the value of this element indicates if the Test Authentication option is enabled or disabled.

Example: Export Option Profile

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl demo2"
"https://qualysapi.qualys.com/api/2.0/fo/subscription/option_profile/?act
ion=export&option_profile_id=253234">Export_OP.xml
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE OPTION_PROFILES SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/subscription/option_profile/opti
on_profile_info.dtd">
<OPTION_PROFILES>
  <OPTION_PROFILE>
    <BASIC_INFO>
      <ID>253234</ID>
      <GROUP_NAME><![CDATA[Test Authentication]]></GROUP_NAME>
      <GROUP_TYPE>user</GROUP_TYPE>
      <USER_ID><![CDATA[Patrick Slimmer (qualys_ps)]]></USER_ID>
      <UNIT_ID>0</UNIT_ID>
      <SUBSCRIPTION_ID>5066</SUBSCRIPTION_ID>
      <IS_DEFAULT>0</IS_DEFAULT>
      <IS_GLOBAL>1</IS_GLOBAL>
```

```
      <IS_OFFLINE_SYNCABLE>0</IS_OFFLINE_SYNCABLE>
      <UPDATE_DATE>2018-02-20T19:58:55Z</UPDATE_DATE>
    </BASIC_INFO>
    <SCAN>
      <PORTS>
        <TCP_PORTS>
          <TCP_PORTS_TYPE>standard</TCP_PORTS_TYPE>
          <THREE_WAY_HANDSHAKE>0</THREE_WAY_HANDSHAKE>
        </TCP_PORTS>
        <UDP_PORTS>
          <UDP_PORTS_TYPE>standard</UDP_PORTS_TYPE>
        </UDP_PORTS>
        <AUTHORITATIVE_OPTION>0</AUTHORITATIVE_OPTION>
      </PORTS>
      <SCAN_DEAD_HOSTS>0</SCAN_DEAD_HOSTS>
      <PERFORMANCE>
        <PARALLEL_SCALING>0</PARALLEL_SCALING>
        <OVERALL_PERFORMANCE>Normal</OVERALL_PERFORMANCE>
        <HOSTS_TO_SCAN>
          <EXTERNAL_SCANNERS>15</EXTERNAL_SCANNERS>
          <SCANNER_APPLIANCES>30</SCANNER_APPLIANCES>
        </HOSTS_TO_SCAN>
        <PROCESSES_TO_RUN>
          <TOTAL_PROCESSES>10</TOTAL_PROCESSES>
          <HTTP_PROCESSES>10</HTTP_PROCESSES>
        </PROCESSES_TO_RUN>
        <PACKET_DELAY>Medium</PACKET_DELAY>

<PORT_SCANNING_AND_HOST_DISCOVERY>Normal</PORT_SCANNING_AND_HOST_DISCOVER
Y>
      </PERFORMANCE>
      <LOAD_BALANCER_DETECTION>0</LOAD_BALANCER_DETECTION>
      <VULNERABILITY_DETECTION>
<COMPLETE><![CDATA[complete]]></COMPLETE>
        <DETECTION_INCLUDE>
          <BASIC_HOST_INFO_CHECKS>0</BASIC_HOST_INFO_CHECKS>
          <OVAL_CHECKS>0</OVAL_CHECKS>
        </DETECTION_INCLUDE>
      </VULNERABILITY_DETECTION>
      <AUTHENTICATION><![CDATA[Windows,Unix,Oracle,Oracle
Listener,SNMP,VMware,DB2,HTTP,MySQL,MongoDB]]></AUTHENTICATION>
      <ADDL_CERT_DETECTION>0</ADDL_CERT_DETECTION>
      <DISSOLVABLE_AGENT>
        <DISSOLVABLE_AGENT_ENABLE>0</DISSOLVABLE_AGENT_ENABLE>

<WINDOWS_SHARE_ENUMERATION_ENABLE>0</WINDOWS_SHARE_ENUMERATION_ENABLE>
      </DISSOLVABLE_AGENT>
      <TEST_AUTHENTICATION>1</TEST_AUTHENTICATION>
    </SCAN>
```

```
...
```

Example: Import Option Profile

To toggle the Test Authentication option via the API you can import the option profile XML. Set the TEST_AUTHENTICATION value to 1 in the option profile XML and then import the option profile. This will create an option profile with Test Authentication enabled.

API request:

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml"
--data-binary @Export_OP.xml
"https://qualysapi.qualys.com/api/2.0/fo/subscription/option_profile/
?action=import"
```

Note: Export_OP.xml contains the request POST data.

Request POST data (Export_OP.xml):

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE OPTION_PROFILES SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/subscription/option_profile/opti
on_profile_info.dtd">
<OPTION_PROFILES>
  <OPTION_PROFILE>
    <BASIC_INFO>
      <ID>253234</ID>
      <GROUP_NAME><![CDATA[Test Authentication]]></GROUP_NAME>
      <GROUP_TYPE>user</GROUP_TYPE>
      <USER_ID><![CDATA[Patrick Slimmer (qualys_ps)]]></USER_ID>
      <UNIT_ID>0</UNIT_ID>
      <SUBSCRIPTION_ID>5066</SUBSCRIPTION_ID>
      <IS_DEFAULT>0</IS_DEFAULT>
      <IS_GLOBAL>1</IS_GLOBAL>
      <IS_OFFLINE_SYNCABLE>0</IS_OFFLINE_SYNCABLE>
      <UPDATE_DATE>2018-02-20T19:58:55Z</UPDATE_DATE>
    </BASIC_INFO>
    <SCAN>
      <PORTS>
        <TCP_PORTS>
          <TCP_PORTS_TYPE>standard</TCP_PORTS_TYPE>
          <THREE_WAY_HANDSHAKE>0</THREE_WAY_HANDSHAKE>
        </TCP_PORTS>
        <UDP_PORTS>
          <UDP_PORTS_TYPE>standard</UDP_PORTS_TYPE>
        </UDP_PORTS>
        <AUTHORITATIVE_OPTION>0</AUTHORITATIVE_OPTION>
      </PORTS>
      <SCAN_DEAD_HOSTS>0</SCAN_DEAD_HOSTS>
```

```
      <PERFORMANCE>
        <PARALLEL_SCALING>0</PARALLEL_SCALING>
        <OVERALL_PERFORMANCE>Normal</OVERALL_PERFORMANCE>
        <HOSTS_TO_SCAN>
          <EXTERNAL_SCANNERS>15</EXTERNAL_SCANNERS>
          <SCANNER_APPLIANCES>30</SCANNER_APPLIANCES>
        </HOSTS_TO_SCAN>
        <PROCESSES_TO_RUN>
          <TOTAL_PROCESSES>10</TOTAL_PROCESSES>
          <HTTP_PROCESSES>10</HTTP_PROCESSES>
        </PROCESSES_TO_RUN>
        <PACKET_DELAY>Medium</PACKET_DELAY>

<PORT_SCANNING_AND_HOST_DISCOVERY>Normal</PORT_SCANNING_AND_HOST_DISCOVER
Y>
      </PERFORMANCE>
      <LOAD_BALANCER_DETECTION>0</LOAD_BALANCER_DETECTION>
      <VULNERABILITY_DETECTION>
<COMPLETE><![CDATA[complete]]></COMPLETE>
        <DETECTION_INCLUDE>
          <BASIC_HOST_INFO_CHECKS>0</BASIC_HOST_INFO_CHECKS>
          <OVAL_CHECKS>0</OVAL_CHECKS>
        </DETECTION_INCLUDE>
      </VULNERABILITY_DETECTION>
      <AUTHENTICATION><![CDATA[Windows,Unix,Oracle,Oracle
Listener,SNMP,VMware,DB2,HTTP,MySQL,MongoDB]]></AUTHENTICATION>
      <ADDL_CERT_DETECTION>0</ADDL_CERT_DETECTION>
      <DISSOLVABLE_AGENT>
        <DISSOLVABLE_AGENT_ENABLE>0</DISSOLVABLE_AGENT_ENABLE>

<WINDOWS_SHARE_ENUMERATION_ENABLE>0</WINDOWS_SHARE_ENUMERATION_ENABLE>
      </DISSOLVABLE_AGENT>
      <TEST_AUTHENTICATION>1</TEST_AUTHENTICATION>
    </SCAN>
    <MAP>
      <BASIC_INFO_GATHERING_ON>all</BASIC_INFO_GATHERING_ON>
      <TCP_PORTS>
        <TCP_PORTS_STANDARD_SCAN>1</TCP_PORTS_STANDARD_SCAN>
      </TCP_PORTS>
      <MAP_OPTIONS>
        <PERFORM_LIVE_HOST_SWEEP>1</PERFORM_LIVE_HOST_SWEEP>
        <DISABLE_DNS_TRAFFIC>0</DISABLE_DNS_TRAFFIC>
      </MAP_OPTIONS>
      <MAP_PERFORMANCE>
        <OVERALL_PERFORMANCE>Normal</OVERALL_PERFORMANCE>
        <MAP_PARALLEL>
          <EXTERNAL_SCANNERS>6</EXTERNAL_SCANNERS>
          <SCANNER_APPLIANCES>8</SCANNER_APPLIANCES>
          <NETBLOCK_SIZE>16384 IPs</NETBLOCK_SIZE>
```

```
        </MAP_PARALLEL>
        <PACKET_DELAY>Minimum</PACKET_DELAY>
      </MAP_PERFORMANCE>
      <MAP_AUTHENTICATION>VMware</MAP_AUTHENTICATION>
    </MAP>
    <ADDITIONAL>
      <HOST_DISCOVERY>
        <TCP_PORTS>
          <STANDARD_SCAN>1</STANDARD_SCAN>
        </TCP_PORTS>
        <UDP_PORTS>
          <STANDARD_SCAN>1</STANDARD_SCAN>
        </UDP_PORTS>
        <ICMP>1</ICMP>
</HOST_DISCOVERY>
      <PACKET_OPTIONS>

<IGNORE_FIREWALL_GENERATED_TCP_RST>0</IGNORE_FIREWALL_GENERATED_TCP_RST>
        <IGNORE_ALL_TCP_RST>0</IGNORE_ALL_TCP_RST>

<IGNORE_FIREWALL_GENERATED_TCP_SYN_ACK>0</IGNORE_FIREWALL_GENERATED_TCP_S
YN_ACK>

<NOT_SEND_TCP_ACK_OR_SYN_ACK_DURING_HOST_DISCOVERY>0</NOT_SEND_TCP_ACK_OR
_SYN_ACK_DURING_HOST_DISCOVERY>
      </PACKET_OPTIONS>
    </ADDITIONAL>
  </OPTION_PROFILE>
</OPTION_PROFILES>
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE SIMPLE_RETURN SYSTEM
"https://qualysapi.qualys.com/api/2.0/simple_return.dtd">
<SIMPLE_RETURN>
  <RESPONSE>
    <DATETIME>2018-02-20T20:04:46Z</DATETIME>
    <TEXT>Successfully imported Option profile for the subscription Id
6049</TEXT>
    <ITEM_LIST>
      <ITEM>
        <KEY>253235</KEY>
        <VALUE>Test Authentication</VALUE>
      </ITEM>
    </ITEM_LIST>
  </RESPONSE>
</SIMPLE_RETURN>
```

DTD Update

We updated the DTD to include the TEST_AUTHENTICATION element (in bold).

DTD: <base_url>/api/2.0/fo/subscription/option_profile/option_profile_info.dtd

```
<!ELEMENT OPTION_PROFILES (OPTION_PROFILE)*>

<!ELEMENT OPTION_PROFILE (BASIC_INFO, SCAN, MAP?, ADDITIONAL)>
<!ELEMENT BASIC_INFO (ID, GROUP_NAME, GROUP_TYPE, USER_ID, UNIT_ID,
SUBSCRIPTION_ID, IS_DEFAULT?, IS_GLOBAL?, IS_OFFLINE_SYNCABLE?,
UPDATE_DATE?)>
<!ELEMENT ID (#PCDATA)>
<!ELEMENT GROUP_NAME (#PCDATA)>
<!ELEMENT GROUP_TYPE (#PCDATA)>
<!ELEMENT USER_ID (#PCDATA)>
<!ELEMENT UNIT_ID (#PCDATA)>
<!ELEMENT SUBSCRIPTION_ID (#PCDATA)>
<!ELEMENT IS_DEFAULT (#PCDATA)>
<!ELEMENT IS_GLOBAL (#PCDATA)>
<!ELEMENT IS_OFFLINE_SYNCABLE (#PCDATA)>
<!ELEMENT UPDATE_DATE (#PCDATA)>

<!ELEMENT SCAN (PORTS?, SCAN_DEAD_HOSTS?, CLOSE_VULNERABILITIES?,
PURGE_OLD_HOST_OS_CHANGED?, PERFORMANCE?, LOAD_BALANCER_DETECTION?,
PASSWORD_BRUTE_FORCING?, VULNERABILITY_DETECTION?, AUTHENTICATION?,
ADDL_CERT_DETECTION?, DISSOLVABLE_AGENT?, LITE_OS_SCAN?,
CUSTOM_HTTP_HEADER?, HOST_ALIVE_TESTING?, SCAN_RESTRICTION?,
FILE_INTEGRITY_MONITORING?, CONTROL_TYPES?, DO_NOT_OVERWRITE_OS?,
TEST_AUTHENTICATION?)>

...

<!ELEMENT TEST_AUTHENTICATION (#PCDATA)>

...
```

Option Profile API - DTD Change for DO_NOT_OVERWRITE_OS

API affected	/api/2.0/fo/subscription/option_profile/
New or Updated API	Neither (DTD change only)
DTD or XSD changes	Yes

In the Option Profile Information DTD the element DO_NOT_OVERWRITE_OS appeared twice - under SCAN and under CONTROL_TYPES. We removed it from CONTROL_TYPES.

DTD update

DTD: <base_url>/api/2.0/fo/subscription/option_profile/option_profile_info.dtd

```
<!ELEMENT OPTION_PROFILES (OPTION_PROFILE)*>

...

<!ELEMENT SCAN (PORTS?, SCAN_DEAD_HOSTS?, CLOSE_VULNERABILITIES?,
PURGE_OLD_HOST_OS_CHANGED?, PERFORMANCE?, LOAD_BALANCER_DETECTION?,
PASSWORD_BRUTE_FORCING?, VULNERABILITY_DETECTION?, AUTHENTICATION?,
ADDL_CERT_DETECTION?, DISSOLVABLE_AGENT?, LITE_OS_SCAN?,
CUSTOM_HTTP_HEADER?, HOST_ALIVE_TESTING?, SCAN_RESTRICTION?,
FILE_INTEGRITY_MONITORING?, CONTROL_TYPES?, DO_NOT_OVERWRITE_OS?,
TEST_AUTHENTICATION?)>

...

<!ELEMENT CONTROL_TYPES (FIM_CONTROLS_ENABLED?,
CUSTOM_WMI_QUERY_CHECKS?)>
<!ELEMENT FIM_CONTROLS_ENABLED (#PCDATA)>
<!ELEMENT CUSTOM_WMI_QUERY_CHECKS (#PCDATA)>
<!ELEMENT DO_NOT_OVERWRITE_OS (#PCDATA)>

...
```

Scanner Appliance API - New Option to Filter Asset Tags

API affected	/api/2.0/fo/appliance/ with action=list
New or Updated API	Updated
DTD or XSD changes	No

You can now choose whether to include asset tag information in the scanner appliance list output. Use the new show_tags input parameter in your API request to include or exclude tag information for each scanner appliance.

Input Parameters

New input parameters are described below.

Parameter	Description
show_tags={0|**1**}	(Optional. When specified, output_mode=full is required.) Set to 1 (the default) to include asset tag information for each scanner appliance in the output. Set to 0 to not include asset tag information in the output.

Example: Show Tag Information

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl"
"https://qualysapi.qualys.com/api/2.0/fo/appliance/?action=list&output_mo
de=full&show_tags=1"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE APPLIANCE_LIST_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/appliance/appliance_list_output.
dtd">
<APPLIANCE_LIST_OUTPUT>
  <RESPONSE>
    <DATETIME>2018-03-02T00:38:11Z</DATETIME>
    <APPLIANCE_LIST>
      <APPLIANCE>
        <ID>167700</ID>
        <UUID>763c8fc5-5f54-62b6-838d-fa9ad9c0c9</UUID>
        <NAME>is_quays_ps</NAME>
...
        <ASSET_GROUP_LIST />
        <ASSET_TAGS_LIST>
          <ASSET_TAG>
```

```
            <UUID>905834cd-6b59-4f29-92b3-7c09bab625</UUID>
            <NAME><![CDATA[Windows XP]]></NAME>
          </ASSET_TAG>
          <ASSET_TAG>
            <UUID>1de7c1af-8f14-40f0-bd07-7e93ac2e8b</UUID>
            <NAME><![CDATA[AG on DNS]]></NAME>
          </ASSET_TAG>
          <ASSET_TAG>
            <UUID>97a3fcc2-63c4-406c-ac5d-e7630f038b</UUID>
            <NAME><![CDATA[Unassigned Business Unit]]></NAME>
          </ASSET_TAG>
        </ASSET_TAGS_LIST>
        <LAST_UPDATED_DATE>2018-03-01T23:54:05Z</LAST_UPDATED_DATE>
        <POLLING_INTERVAL>180 seconds</POLLING_INTERVAL>
        <USER_LOGIN>quays_ps</USER_LOGIN>
        <HEARTBEATS_MISSED>0</HEARTBEATS_MISSED>
        <SS_CONNECTION>Active</SS_CONNECTION>
        <SS_LAST_CONNECTED>2018-03-02T00:36:10Z</SS_LAST_CONNECTED>
        <FDCC_ENABLED>Yes</FDCC_ENABLED>
        <USER_LIST />
        <UPDATED>Yes</UPDATED>
        <COMMENTS><![CDATA[]]></COMMENTS>
        <MAX_CAPACITY_UNITS>100</MAX_CAPACITY_UNITS>
      </APPLIANCE>
    </APPLIANCE_LIST>
  </RESPONSE>
</APPLIANCE_LIST_OUTPUT>
```

Example: Do Not Show Tag Information

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl"
"https://qualysapi.qualys.com/api/2.0/fo/appliance/?action=list&output_mo
de=full&show_tags=0"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE APPLIANCE_LIST_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/appliance/appliance_list_output.
dtd">
<APPLIANCE_LIST_OUTPUT>
  <RESPONSE>
    <DATETIME>2018-03-02T00:38:11Z</DATETIME>
    <APPLIANCE_LIST>
      <APPLIANCE>
        <ID>167700</ID>
        <UUID>763c8fc5-5f54-62b6-838d-fa9ad9c0c9</UUID>
```

```
        <NAME>is_quays_ps</NAME>
...
        <ASSET_GROUP_LIST />
        <LAST_UPDATED_DATE>2018-03-01T23:54:05Z</LAST_UPDATED_DATE>
        <POLLING_INTERVAL>180 seconds</POLLING_INTERVAL>
        <USER_LOGIN>quays_ps</USER_LOGIN>
        <HEARTBEATS_MISSED>0</HEARTBEATS_MISSED>
        <SS_CONNECTION>Active</SS_CONNECTION>
        <SS_LAST_CONNECTED>2018-03-02T00:36:10Z</SS_LAST_CONNECTED>
        <FDCC_ENABLED>Yes</FDCC_ENABLED>
        <USER_LIST />
        <UPDATED>Yes</UPDATED>
        <COMMENTS><![CDATA[]]></COMMENTS>
        <MAX_CAPACITY_UNITS>100</MAX_CAPACITY_UNITS>
      </APPLIANCE>
    </APPLIANCE_LIST>
  </RESPONSE>
</APPLIANCE_LIST_OUTPUT>
```

New Replace Scanner Appliance API

API affected	/api/2.0/fo/appliance/replace_iscanner
New or Updated API	New
DTD or XSD changes	New

Now you can replace a scanner appliance with a new one using the API. Just tell us the name of the appliance you want to replace and the one you want to use. By default we'll transfer configurations from the old appliance to the new appliance for you but you can choose not to transfer settings.

Good to Know

- You can replace one scanner appliance at a time.
- Do not replace a scanner appliance while scans (using the appliance) are in progress.
- The old scanner and the new scanner must be in the same network, if applicable.
- You can only replace an EC2 scanner with another EC2 scanner.

Permissions

Only Managers and Unit Managers can use this API to replace a scanner appliance.

Input Parameters

New input parameters are described below.

Parameter	Description
action=replace	(Required) You must specify action=replace in your request.
echo_request={**0**|1}	(Optional) Specifies whether to echo the request's input parameters (names and values) in the XML output. When not specified, parameters are not included in the XML output. Specify 1 to view parameters in the XML output.
old_scanner_name={value}	(Required) The name of the scanner you want to replace.
new_scanner_name{value}	(Required) The name of the scanner you want to use.
do_not_copy_settings={**0**|1}	(Optional) When not specified, we will transfer settings from the old scanner to the new scanner for you. Specify 1 if you do not want us to transfer appliance settings. Settings include the polling interval, heartbeat checks, scanning options, VLANs and static routes, associated asset groups, schedules and network, if applicable.

Parameter	Description
do_not_remove_new_scanner_from_objects={**0**|1}	(Optional) When not specified, we will remove the new appliance from business objects (asset groups and schedules) that it's already associated with. Specify 1 if you do not want us to remove the new appliance from business objects.
	This parameter cannot be set for EC2 scanners.

Example

Replace "scanner1" with "scanner2" and copy scanner appliance settings but do not remove the new scanner from business objects.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl"
"https://qualysapi.qualys.com/api/2.0/fo/appliance/replace_iscanner/?acti
on=replace&echo_request=1&old_scanner_name=scanner1&new_scanner_name=scan
ner2&do_not_copy_settings=0&do_not_remove_new_scanner_from_objects=1"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE SCANNER_REPLACE_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/appliance/replace_iscanner/repla
ce_iscanner_output.dtd">
<SCANNER_REPLACE_OUTPUT>
  <REQUEST>
    <DATETIME>2018-01-16T06:52:53Z</DATETIME>
    <USER_LOGIN>abcd</USER_LOGIN>

<RESOURCE>https://qualysapi.qualys.com/api/2.0/fo/appliance/replace_iscan
ner/</RESOURCE>
    <PARAM_LIST>
      <PARAM>
        <KEY>echo_request</KEY>
        <VALUE>1</VALUE>
      </PARAM>
      <PARAM>
        <KEY>old_scanner_name</KEY>
        <VALUE>scanner1</VALUE>
      </PARAM>
      <PARAM>
        <KEY>new_scanner_name</KEY>
        <VALUE>scanner2</VALUE>
      </PARAM>
      <PARAM>
        <KEY>do_not_copy_settings</KEY>
        <VALUE>0</VALUE>
```

```
      </PARAM>
      <PARAM>
        <KEY>do_not_remove_new_scanner_from_objects</KEY>
        <VALUE>1</VALUE>
      </PARAM>
      <PARAM>
        <KEY>action</KEY>
        <VALUE>replace</VALUE>
      </PARAM>
    </PARAM_LIST>
  </REQUEST>
  <RESPONSE>
    <DATETIME>2018-01-16T06:52:53Z</DATETIME>
    <NEW_SETTINGS>POLLING_INTERVAL: 180, HEARTBEAT: 1</NEW_SETTINGS>
    <SCHEDULED_SCANS>Scheduled-Scan1, Scheduled-Scan2</SCHEDULED_SCANS>
    <ASSET_GROUPS>AG123, AG456</ASSET_GROUPS>
    <SUCCESS>Scanner Appliance replaced successfully.</SUCCESS>
  </RESPONSE>
</SCANNER_REPLACE_OUTPUT>
```

Replace Scanner Output DTD

DTD: <base_url>/api/2.0/fo/appliance/replace_iscanner/replace_iscanner_output.dtd

```
<!-- QUALYS REPLACE_ISCANNER_OUTPUT DTD -->
<!-- $Revision$ -->
<!ELEMENT SCANNER_REPLACE_OUTPUT (REQUEST?,RESPONSE)>

<!ELEMENT REQUEST (DATETIME, USER_LOGIN, RESOURCE, PARAM_LIST?,
POST_DATA?)>
<!ELEMENT DATETIME (#PCDATA)>
<!ELEMENT USER_LOGIN (#PCDATA)>
<!ELEMENT RESOURCE (#PCDATA)>
<!ELEMENT PARAM_LIST (PARAM+)>
<!ELEMENT PARAM (KEY, VALUE)>
<!ELEMENT KEY (#PCDATA)>
<!ELEMENT VALUE (#PCDATA)>
<!-- if returned, POST_DATA will be urlencoded -->
<!ELEMENT POST_DATA (#PCDATA)>

<!ELEMENT RESPONSE (DATETIME, NEW_SETTINGS?, SCHEDULED_SCANS?,
ASSET_GROUPS?, SUCCESS?)>

<!ELEMENT NEW_SETTINGS  (#PCDATA)>
<!ELEMENT SCHEDULED_SCANS (#PCDATA)>
<!ELEMENT ASSET_GROUPS (#PCDATA)>
<!ELEMENT SUCCESS (#PCDATA)>

<!-- EOF -->
```

Asset Group API - New Option for User Name

API affected	/api/2.0/fo/asset/group/with action=list
New or Updated API	Updated
DTD or XSD changes	Yes

You can now choose whether to display owner name in the asset group list output. Use the show_attributes input parameter with new attribute OWNER_USER_NAME in your API request to include or exclude owner user name for asset group.

Input Parameters

We have updated the following input parameters:

Parameter	Description
show_attributes={value}	(Optional) Show attributes for each asset group along with the ID. Your options are: None, All or a comma-separated list of attribute names. We have added a new keyword OWNER_USER_NAME to the attribute list. Attribute names: **OWNER_USER_NAME**, TITLE, OWNER, NETWORK_IDS, LAST_UPDATE, IP_SET, APPLIANCE_LIST, DOMAIN_LIST, DNS_LIST, NETBIOS_LIST, EC2_ID_LIST, HOST_IDS, USER_IDS, UNIT_IDS, BUSINESS_IMPACT, CVSS, COMMENTS.

Example 1: Show Owner Name

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl demo2"
"https://qualysapi.qualys.com/api/2.0/fo/asset/group/?action=list&output_
format=xml&show_attributes=ID,TITLE,NETBIOS_LIST,OWNER_USER_NAME&ids=2315
10"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE ASSET_GROUP_LIST_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/asset/group/asset_group_list_out
put.dtd">
<ASSET_GROUP_LIST_OUTPUT>
  <RESPONSE>
    <DATETIME>2018-03-08T23:25:25Z</DATETIME>
    <ASSET_GROUP_LIST>
      <ASSET_GROUP>
```

```
        <ID>231510</ID>
        <TITLE><![CDATA[John Doe]></TITLE>
        <NETBIOS_LIST>
          <NETBIOS>WINXP3-10-180</NETBIOS>
          <NETBIOS>COMDEVW10ES</NETBIOS>
          <NETBIOS>CTOMCATWI2008R2</NETBIOS>
        </NETBIOS_LIST>
        <OWNER_USER_NAME><![CDATA[user_john]]></OWNER_USER_NAME>
      </ASSET_GROUP>
    </ASSET_GROUP_LIST>
  </RESPONSE>
</ASSET_GROUP_LIST_OUTPUT>
```

Example 2: Show Owner Name along with APPLIANCE_LIST

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl demo2"
"https://qualysapi.qualys.com/api/2.0/fo/asset/group/?action=list&output_
format=xml&show_attributes=ID,TITLE,NETBIOS_LIST,OWNER_USER_NAME,APPLIANC
E_LIST&ids=231510"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE ASSET_GROUP_LIST_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/asset/group/asset_group_list_out
put.dtd">
<ASSET_GROUP_LIST_OUTPUT>
  <RESPONSE>
    <DATETIME>2018-03-08T23:25:54Z</DATETIME>
    <ASSET_GROUP_LIST>
      <ASSET_GROUP>
        <ID>231510</ID>
        <TITLE><![CDATA[John Doe]]></TITLE>
        <DEFAULT_APPLIANCE_ID>120203</DEFAULT_APPLIANCE_ID>
        <APPLIANCE_IDS>132249, 132442</APPLIANCE_IDS>
        <NETBIOS_LIST>
          <NETBIOS>WINXP3-10-180</NETBIOS>
          <NETBIOS>COMDEVW10ES</NETBIOS>
          <NETBIOS>CTOMCATWI2008R2</NETBIOS>
        </NETBIOS_LIST>
        <OWNER_USER_NAME><![CDATA[user_john)]]></OWNER_USER_NAME>
      </ASSET_GROUP>
    </ASSET_GROUP_LIST>
  </RESPONSE>
</ASSET_GROUP_LIST_OUTPUT>
```

DTD Update

We updated the DTD to include the OWNER_USER_NAME element (in bold).

DTD: <base_url>/api/2.0/fo/asset/group/asset_group_list_output.dtd

```
<!ELEMENT ASSET_GROUP_LIST_OUTPUT (REQUEST?,RESPONSE)>

<!ELEMENT REQUEST (DATETIME, USER_LOGIN, RESOURCE, PARAM_LIST?,
POST_DATA?)>
...
<!ELEMENT ID_RANGE (#PCDATA)>
<!ELEMENT ASSET_GROUP (ID, TITLE?,
    OWNER_USER_ID?, OWNER_UNIT_ID?, (NETWORK_ID|NETWORK_IDS)?,
LAST_UPDATE?, BUSINESS_IMPACT?,
    CVSS_ENVIRO_CDP?, CVSS_ENVIRO_TD?, CVSS_ENVIRO_CR?, CVSS_ENVIRO_IR?,
CVSS_ENVIRO_AR?,
    DEFAULT_APPLIANCE_ID?, APPLIANCE_IDS?,
    IP_SET?, DOMAIN_LIST?, DNS_LIST?, NETBIOS_LIST?,
    HOST_IDS?, EC2_IDS?,
    ASSIGNED_USER_IDS?, ASSIGNED_UNIT_IDS?, COMMENTS?, OWNER_USER_NAME?
)>
....
<!-- COMMENTS -->
<!ELEMENT COMMENTS (#PCDATA)>

<!-- OWNER_USER_NAME -->
<!ELEMENT OWNER_USER_NAME (#PCDATA)>

<!-- WARNING -->
<!ELEMENT WARNING (CODE?, TEXT, URL?)>
<!ELEMENT CODE (#PCDATA)>
<!ELEMENT TEXT (#PCDATA)>
<!ELEMENT URL (#PCDATA)>

<!-- EOF -->
```

IP List API - New Option for Listing Certificate View IPs

API affected	/api/2.0/fo/asset/ip/with action=list
New or Updated API	Updated
DTD or XSD changes	No

You can now filter the IP list output to show IP addresses that have been added to the Certificate View module.

Input Parameters

We added the following input parameter:

Parameter	Description
certview_enabled={**0**|1}	(Optional) Set to 1 to list IP addresses in the user's account that are assigned to the Certificate View module. Set to 0 to list IP addresses that are not assigned to the Certificate View module. **This option will be supported when Certificate View GA is released and is enabled for your account.**

Example: List Certificate View IP Addresses

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl demo"
"https://qualysapi.qualys.com/api/2.0/fo/asset/ip/?action=list&certview_e
nabled=1"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE IP_LIST_OUTPUT SYSTEM
"https://qualysapi.qualys.com/api/2.0/fo/asset/ip/ip_list_output.dtd">
<IP_LIST_OUTPUT>
  <RESPONSE>
    <DATETIME>2018-03-09T06:39:04Z</DATETIME>
    <IP_SET>
      <IP_RANGE>10.10.10.10-10.10.10.30</IP_RANGE>
      <IP_RANGE>10.10.10.50-10.10.10.70</IP_RANGE>
      <IP_RANGE>10.10.10.100-10.10.10.120</IP_RANGE>
    </IP_SET>
  </RESPONSE>
</IP_LIST_OUTPUT>
```