



# Qualys Cloud Platform (VM, PC) v8.x

## API Release Notes

Version 8.14.1

June 21, 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

[Qualys Host ID Added to Posture Info and Policy Report](#)

### 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	<a href="https://qualysapi.qualys.com">https://qualysapi.qualys.com</a>
Qualys US Platform 2	<a href="https://qualysapi.qg2.apps.qualys.com">https://qualysapi.qg2.apps.qualys.com</a>
Qualys US Platform 3	<a href="https://qualysapi.qg3.apps.qualys.com">https://qualysapi.qg3.apps.qualys.com</a>
Qualys EU Platform 1	<a href="https://qualysapi.qualys.eu">https://qualysapi.qualys.eu</a>
Qualys EU Platform 2	<a href="https://qualysapi.qg2.apps.qualys.eu">https://qualysapi.qg2.apps.qualys.eu</a>
Qualys India Platform 1	<a href="https://qualysapi.qg1.apps.qualys.in">https://qualysapi.qg1.apps.qualys.in</a>
Qualys Private Cloud Platform	<a href="https://qualysapi.&lt;customer_base_url&gt;">https://qualysapi.&lt;customer_base_url&gt;</a>

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.

## Qualys Host ID Added to Posture Info and Policy Report

API affected	/api/2.0/fo/compliance/posture/info/
New or Updated API	Updated (output change)
DTD or XSD changes	Yes
API affected	/api/2.0/fo/report/?action=fetch
New or Updated API	Updated (output change)
DTD or XSD changes	Yes

When a Qualys Host ID (QG\_HOSTID) is assigned to a host, you'll now see the ID in the Posture Info API output and in Compliance Policy Reports. You can fetch reports from the API or download them from the UI.

### Good to Know

The Qualys Host ID is unique and persistent per host. The host ID is assigned when one of these events occurs:

- You scan the host using Agentless Tracking - this feature must be enabled for your subscription.
- A cloud agent is installed on the host - Qualys Cloud Agent (CA) is required.

How it works - Before assigning a host ID we first check to see if one is already assigned to the host. If not a host ID is assigned. If it is already assigned, the host ID is not updated.

### Posture Info API

You'll see QG\_HOSTID in the XML output.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl" -d  
"action=list&policy_id=26008&details=All"  
"https://qualysapi.qualys.com/api/2.0/fo/compliance/posture/info/"
```

XML output:

```
<?xml version="1.0" encoding="UTF-8" ?>  
<!DOCTYPE POSTURE_INFO_LIST_OUTPUT SYSTEM  
"https://qualysapi.qualys.com/api/2.0/fo/compliance/posture/info/posture_  
info_list_output.dtd">  
<POSTURE_INFO_LIST_OUTPUT>  
  <RESPONSE>  
    <DATETIME>2018-06-20T12:34:29Z</DATETIME>  
  ...
```

```
<HOST>
  <ID>2515431</ID>
  <IP>10.10.25.231</IP>
  <TRACKING_METHOD>IP</TRACKING_METHOD>
  <DNS><![CDATA[ora9207-25-231]]></DNS>
  <NETBIOS><![CDATA[ORA9207-25-231]]></NETBIOS>
  <OS><![CDATA[Windows Server 2003 Service Pack 2]]></OS>
<OS_CPE><![CDATA[cpe:/o:microsoft:windows_2003_server::sp2::]]></OS_CPE>
  <QG_HOSTID>524ee9c7-0318-0004-1b18-00e081777f8b</QG_HOSTID>
  <LAST_VULN_SCAN_DATETIME>2018-06-
19T13:02:21Z</LAST_VULN_SCAN_DATETIME>
  <LAST_COMPLIANCE_SCAN_DATETIME>2018-06-
19T13:18:16Z</LAST_COMPLIANCE_SCAN_DATETIME>
  <PERCENTAGE><![CDATA[0.00% (0 of 1)]]></PERCENTAGE>
</HOST>
<HOST>
....
  <TP_LIST>
    <TP>
      <LABEL>$tp_1</LABEL>
      <V><![CDATA[1]]></V>
    </TP>
  </TP_LIST>
</GLOSSARY>
</RESPONSE>
</POSTURE_INFO_LIST_OUTPUT>
```

## CSV Format

You'll see QG\_HOSTID in the CSV output.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl" -d
"action=list&policy_id=26008&details=All&output_format=csv"
"https://qualysapi.qualys.com/api/2.0/fo/compliance/posture/info/"
```

CSV output:

```
----BEGIN_RESPONSE_BODY_CSV
"POLICY ID","DATETIME"
"26008","06/21/2018 04:40:00"
"ID","IP","OS","DNS Name","NetBios","Tracking Method","Control
ID","Control Statement","Criticality Label","Criticality
Value","Technology ID","Technology Name","Posture","Evaluation
Date","Qualys Host ID"
"30294448","10.10.25.231","Windows Server 2003 Service Pack 2","ora9207-
25-231","ORA9207-25-231","IP","1048","Status of the 'Shutdown: Clear
virtual memory pagefile' setting","CRITICAL","4","2","Windows 2003
Server","Failed","06/19/2018 13:18:16","524ee9c7-0318-0004-1b18-
```

```
00e081777f8b"
"30296196","10.10.25.232","Windows Server 2003 Service Pack 2","ora9206-
25-232","ORA9206-25-232","IP","1048","Status of the 'Shutdown: Clear
virtual memory pagefile' setting","CRITICAL","4","2","Windows 2003
Server","Failed","06/20/2018 13:05:48","508b98f4-03a5-0004-f616-
0017a413383b"
"30298113","10.10.25.236","Windows 2003 Server AD Service Pack 2","suba-
25-236.suba.root.vuln.qa.qualys.com","SUBA-25-
236","NETBIOS","1048","Status of the 'Shutdown: Clear virtual memory
pagefile' setting","CRITICAL","4","2","Windows 2003
Server","Failed","06/18/2018 06:38:18","508bb97d-004b-0004-0a22-
0017a413383b"
"30300030","10.10.25.238","Windows 2003 Server AD Service Pack 2","subb-
25-238.subb.root.vuln.qa.qualys.com","SUBB-25-238","IP","1048","Status of
the 'Shutdown: Clear virtual memory pagefile'
setting","CRITICAL","4","2","Windows 2003 Server","Failed","06/18/2018
06:38:18","508bbd4a-0052-0004-6a31-0017a413383b"
"30301947","10.10.25.239","Windows 2003 Server AD Service Pack 2","subb2-
25-239.subb2.subb.root.vuln.qa.qualys.com","SUBB2-25-
239","IP","1048","Status of the 'Shutdown: Clear virtual memory pagefile'
setting","CRITICAL","4","2","Windows 2003 Server","Failed","06/20/2018
13:17:58","508bc9f4-007f-0004-e165-0017a413383b"
SUMMARY
"TOTAL ASSETS","TOTAL CONTROLS","TOTAL CONTROL INSTANCES","TOTAL PASSED
CONTROL INSTANCES","TOTAL FAILED CONTROL INSTANCES","TOTAL ERROR CONTROL
INSTANCES"
"1","2","82","0","82","0"
----END_RESPONSE_BODY_CSV
```

## Policy Report (download from UI and fetch from Report API)

You'll see QG\_HOSTID when you download a compliance policy report from the UI or when you fetch a compliance policy report from the Report API. Here are samples for XML and CSV formats.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With: Curl" -d
"action=fetch&id=3740414"
"https://qualysapi.qualys.com/api/2.0/fo/report/"
```

Sample XML Policy Report:

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE COMPLIANCE_POLICY_REPORT SYSTEM
"https://qualysapi.qualys.com/compliance_policy_report.dtd">
<COMPLIANCE_POLICY_REPORT>
  <HEADER>
    <NAME><![CDATA[Compliance_Policy Report XML Format]]></NAME>
```

```
<GENERATION_DATETIME>2018-06-20T12:44:55Z</GENERATION_DATETIME>
...
<HOST_INFO>
  <IP><![CDATA[10.10.25.218]]></IP>
  <TRACKING_METHOD><![CDATA[IP]]></TRACKING_METHOD>
  <QG_HOSTID><![CDATA[5182c46b-0097-0004-2625-005056a90d84]]></QG_HOSTID>
  <DNS><![CDATA[ora9208-win-25-218]]></DNS>
  <NETBIOS><![CDATA[ORA9208-WIN-25-]]></NETBIOS>
  <OPERATING_SYSTEM><![CDATA[Windows Server 2003 Service Pack 2]]></OPERATING_SYSTEM>
  <LAST_SCAN_DATE><![CDATA[2018-06-18T06:38:18Z]]></LAST_SCAN_DATE>
  <PERCENTAGE>96.2% (633 of 658)</PERCENTAGE>
</HOST_INFO>
...
</RESULTS>
</COMPLIANCE_POLICY_REPORT>
```

## Sample CSV Policy Report

```
"APILaunchReport_Compliance_Policy_SCAN_CSV","06/20/2018 at 12:47:14 (GMT)"
"OutworX","RedShores","123 Main St.,""Bay Area","Alaska","United States of America","201309"
"John Doe","user_john","Manager"
SUMMARY
...
HOST STATISTICS
IP Address, Tracking Method, DNS Name, Netbios Name, Operating System, Last Scan Date, Percentage, Qualys Host ID
"10.10.25.218","IP","ora9208-win-25-218","ORA9208-WIN-25-","Windows Server 2003 Service Pack 2","06/18/2018 at 06:38:18 (GMT)","96.2% (633 of 658)","5182c46b-0097-0004-2625-005056a90d84"
...
```

## DTD Updates

We added QG\_HOSTID to the following DTDs.

### Posture Info List Output DTD

DTD: <base\_url>/api/2.0/fo/compliance/posture/info/posture\_info\_list\_output.dtd

```
<!-- QUALYS POSTURE_INFO_LIST_OUTPUT DTD -->
...
<!ELEMENT HOST_LIST (HOST+)>
<!ELEMENT HOST (ID, IP, TRACKING_METHOD, DNS?, NETBIOS?, OS?, OS_CPE?, QG_HOSTID? LAST_VULN_SCAN_DATETIME?, LAST_COMPLIANCE_SCAN_DATETIME?, PERCENTAGE?)>
```

```
<!ELEMENT TRACKING_METHOD (#PCDATA)>  
<!ELEMENT IP (#PCDATA)>  
<!ATTLIST IP network_id CDATA #IMPLIED>  
<!ELEMENT DNS (#PCDATA)>  
<!ELEMENT NETBIOS (#PCDATA)>  
<!ELEMENT OS (#PCDATA)>  
<!ELEMENT OS_CPE (#PCDATA)>  
<!ELEMENT QG_HOSTID (#PCDATA)>  
...
```

## Compliance Policy Report DTD

DTD: <base\_url>/compliance\_policy\_report.dtd

```
<!-- QUALYS COMPLIANCE POLICY REPORT DTD -->  
...  
<!ELEMENT HOST_LIST (HOST*)>  
<!ELEMENT HOST (TRACKING_METHOD, QG_HOSTID?, IP, DNS?, NETBIOS?,  
OPERATING_SYSTEM?, OS_CPE?, LAST_SCAN_DATE?, TOTAL_PASSED, TOTAL_FAILED,  
TOTAL_ERROR, TOTAL_EXCEPTIONS, ASSET_TAGS?, CONTROL_LIST, NETWORK?)>  
...  
<!ELEMENT TRACKING_METHOD (#PCDATA)>  
<!ELEMENT IP (#PCDATA)>  
<!ELEMENT QG_HOSTID (#PCDATA)>  
...
```