



Qualys Cloud Platform (VM, PC) v10.x

API Release Notes

Version 10.17

December 30, 2021 (Updated February 1, 2022)

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

[Include AWS Cloud Metadata in Compliance Policy Reports](#)

[Issues Addressed](#)

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 server 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 server URL for your account.

Include AWS Cloud Metadata in Compliance Policy Reports

APIs affected	/api/2.0/fo/report/
New or Updated API	Updated
DTD or XSD changes	Yes

Now you can include cloud asset metadata for your AWS assets in Compliance Policy Reports. Simply update your Policy Report Template in the UI and select the new “Cloud Metadata” option on the Layout tab to include these details. This option is off by default. When enabled, you’ll see the following cloud metadata for each AWS asset in your report:

- Cloud Provider
- Cloud Service
- Cloud Resource ID
- Cloud Resource Type
- Cloud Account ID
- Cloud Image ID
- Cloud Resource Metadata

Cloud Resource Metadata for AWS includes: Public IP Address, Private IP Address, VPC ID, Subnet ID, Instance Type, Instance State, Group Name, Group ID, Region Code, Availability Zone, Reservation ID, Is Spot Instance, Local Hostname, MAC Address, Private DNS Name, Public DNS Name

You can download Compliance Policy Reports from the UI or fetch reports using the API.

Download Policy Report in CSV Format

In this sample, we’re downloading a Policy Report in CSV format. The report includes cloud metadata fields for AWS assets.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl" -d  
"https://qualysapi.qualys.com/api/2.0/fo/report/?action=fetch&id=123456"
```

CSV output:

In the sample CSV policy compliance report, newly added columns for cloud asset metadata is highlighted.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	CSV - EC2 - Clou	12/24/2021 at 10:42:18 (GMT+0530)																
2	up	34567	34567 Pune	None	Ireland		323457658											
3	at	up_at	Manager															
4	SUMMARY																	
5	Policy Title	Policy Locking	Policy Modif	Policy Last Eval	Asset Groups	IPs	Asset Tags (include m):	PC Agent IPs	Technolo	Controls	Assets	Control Instances	Passed	Failures	Error	Approved Exceptions	Pending Exceptions	
6	EC2 Policy for D Unlocked			12/24/2021 at 12:24/2021 at 16:50:21 (GMT+0530)		N/A		No	Red Hat		100	2	120	118 (98.33%)	2 (1.67%)	0	0	0
7	HOST STATISTICS																	
8	IP Address	Tracking Method	DNS Name	Netbios Name	Operating System	Last Scan Date	Percentage	Qualys Host ID	Host ID	Cloud Provider	Cloud Service	Cloud Resource Id	Cloud Resource Type	Cloud Account ID	Cloud Image Id	Cloud Resource Metadata		
	10.82.44.215	EC2	ip-10-82-44-215		Red Hat Enterprise	12/23/2021 at 18:38:33% (50%)		6694620	AWS	EC2	N/A	Instance	7.5005E-11	ami-014b499efef	[Public IP Address: 'N/A', Private IP Address: '10.82.44.215', VPC ID: 'vpc-0422866c457038a61', Subnet ID: 'subnet-0a2a213d329b3006c', Instance Type: 't3.micro', Instance State: 'STOPPED', Region Code: 'af-south-1', Availability Zone: 'af-south-1c', Private DNS Name: 'ip-10-82-44-215.af-south-1.compute.internal', Public DNS Name: 'N/A', Group ID: 'sg-09015e47b09d53df', Group Name: 'default', Reservation ID: 'r-09e727e16a3f83ec3', Is Spot Instance: '0', Local Hostname: 'N/A', MAC Address: '13:244:137:192', Private IP Address: '10.82.47.13', VPC ID: 'vpc-0422866c457038a61', Subn			
9																		

Download Policy Report in XML Format

In this sample, we're downloading a Policy Report in XML format. The report includes cloud metadata fields for AWS assets.

API request:

```
curl -u "USERNAME:PASSWORD" -H "X-Requested-With:curl" -d  
"https://qualysapi.qualys.com/api/2.0/fo/report/?action=fetch&id=123457"
```

XML output:

```
<?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[XML - EC2 - Cloud Metadata Report]]></NAME>  
    <GENERATION_DATETIME>2021-12-24T16:09:00Z</GENERATION_DATETIME>  
    <COMPANY_INFO>  
      <NAME><![CDATA[up]]></NAME>  
      <ADDRESS><![CDATA[34567, 34567]]></ADDRESS>  
      ...  
    <TOTAL>120</TOTAL>  
    <TOTAL_PASSED>118</TOTAL_PASSED>  
    <TOTAL_FAILED>2</TOTAL_FAILED>  
    <TOTAL_ERROR>0</TOTAL_ERROR>  
    <TOTAL_EXCEPTIONS>0</TOTAL_EXCEPTIONS>  
  </CONTROL_INSTANCES>  
  <HOST_STATISTICS>  
    <HOST_INFO>  
      <IP><![CDATA[10.82.44.215]]></IP>  
      <TRACKING_METHOD><![CDATA[EC2]]></TRACKING_METHOD>  
      <DNS><![CDATA[ip-10-82-44-215.af-south-1.compute.internal]]></DNS>  
      <NETBIOS><![CDATA[-]]></NETBIOS>  
      <OPERATING_SYSTEM><![CDATA[Red Hat Enterprise Linux  
8.3]]></OPERATING_SYSTEM>  
      <LAST_SCAN_DATE><![CDATA[2021-12-23T12:59:04Z]]></LAST_SCAN_DATE>  
      <PERCENTAGE>98.33% (59 of 60)</PERCENTAGE>  
      <HOST_ID><![CDATA[6694620]]></HOST_ID>  
      <CLOUD_PROVIDER><![CDATA[AWS]]></CLOUD_PROVIDER>  
      <CLOUD_SERVICE><![CDATA[EC2]]></CLOUD_SERVICE>  
      <CLOUD_RESOURCE_ID><![CDATA[N/A]]></CLOUD_RESOURCE_ID>  
      <CLOUD_RESOURCE_TYPE><![CDATA[Instance]]></CLOUD_RESOURCE_TYPE>  
      <CLOUD_ACCOUNT_ID><![CDATA[]]></CLOUD_ACCOUNT_ID>  
      <CLOUD_IMAGE_ID><![CDATA[ami-  
0f4b49fefef9be45a]]></CLOUD_IMAGE_ID>  
      <CLOUD_RESOURCE_INFO>  
        <PUBLIC_IP_ADDRESS><![CDATA[N/A]]></PUBLIC_IP_ADDRESS>
```

```
<PRIVATE_IP_ADDRESS><![CDATA[10.82.44.215]]></PRIVATE_IP_ADDRESS>
  <VPC_ID><![CDATA[vpc-042286dc457d33a61]]></VPC_ID>
  <SUBNET_ID><![CDATA[subnet-0a2a213d329b3006c]]></SUBNET_ID>
  <INSTANCE_TYPE><![CDATA[t3.micro]]></INSTANCE_TYPE>
  <INSTANCE_STATE><![CDATA[STOPPED]]></INSTANCE_STATE>
  <REGION_CODE><![CDATA[af-south-1]]></REGION_CODE>
  <AVAILABILITY_ZONE><![CDATA[af-south-1c]]></AVAILABILITY_ZONE>
  <PRIVATE_DNS_NAME><![CDATA[ip-10-82-44-215.af-south-
1.compute.internal]]></PRIVATE_DNS_NAME>
  <PUBLIC_DNS_NAME><![CDATA[N/A]]></PUBLIC_DNS_NAME>
  <GROUP_ID><![CDATA[sg-09015de4fb09d53df]]></GROUP_ID>
  <GROUP_NAME><![CDATA[default]]></GROUP_NAME>
  <RESERVATION_ID><![CDATA[r-
09ef27e16a3f83ec3]]></RESERVATION_ID>
  <IS_SPOT_INSTANCE><![CDATA[0]]></IS_SPOT_INSTANCE>
  <LOCAL_HOSTNAME><![CDATA[N/A]]></LOCAL_HOSTNAME>
  <MAC_ADDRESS><![CDATA[N/A]]></MAC_ADDRESS>
</CLOUD_RESOURCE_INFO>
</HOST_INFO>
...
<DP>
  <DP_NAME>rh06.secman.general.service-rhnsd-systemd</DP_NAME>
  <DESCRIPTION><![CDATA[The List string value of <B>X</B> indicates
the status of the <B>rhnsd</B> daemon on the host.]]></DESCRIPTION>
</DP>
</DP_DESCRIPTIONS>
</RESULTS>
</COMPLIANCE_POLICY_REPORT>
```

DTD update:

We updated the DTD for Policy Compliance Reports to include new elements (in bold).

DTD: <platform>/compliance_policy_report.dtd

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- QUALYS COMPLIANCE POLICY REPORT DTD -->
<!-- $Revision$ -->
...
<!ELEMENT HOST_STATISTICS (HOST_INFO*)>
<!ELEMENT HOST_INFO (IP, TRACKING_METHOD, QG_HOSTID?, DNS, NETBIOS,
OPERATING_SYSTEM, LAST_SCAN_DATE, PERCENTAGE,
NETWORK?,HOST_ID?,CLOUD_PROVIDER?,CLOUD_SERVICE?,CLOUD_RESOURCE_ID?,
CLOUD_RESOURCE_TYPE?, CLOUD_ACCOUNT_ID?,
CLOUD_IMAGE_ID?,CLOUD_RESOURCE_INFO?)>
<!ELEMENT CLOUD_RESOURCE_INFO (PUBLIC_IP_ADDRESS?, PRIVATE_IP_ADDRESS?,
VPC_ID?, SUBNET_ID?, INSTANCE_TYPE?, INSTANCE_STATE?, REGION_CODE?,
```

AVAILABILITY_ZONE?, PRIVATE_DNS_NAME?, PUBLIC_DNS_NAME? , GROUP_ID?,
GROUP_NAME?, RESERVATION_ID?, IS_SPOT_INSTANCE?, LOCAL_HOSTNAME?,
MAC_ADDRESS?)>

```
<!ELEMENT STATS (#PCDATA)>
<!ELEMENT SEARCH_DURATION (#PCDATA)>
<!ELEMENT ERRORS (#PCDATA)>
<!ELEMENT HOST_ID (#PCDATA)>
<!ELEMENT CLOUD_PROVIDER (#PCDATA)>
<!ELEMENT CLOUD_SERVICE (#PCDATA)>
<!ELEMENT CLOUD_RESOURCE_ID (#PCDATA)>
<!ELEMENT CLOUD_RESOURCE_TYPE (#PCDATA)>
<!ELEMENT CLOUD_ACCOUNT_ID (#PCDATA)>
<!ELEMENT CLOUD_IMAGE_ID (#PCDATA)>
<!ELEMENT PUBLIC_DNS_NAME (#PCDATA)>
<!ELEMENT VPC_ID (#PCDATA)>
<!ELEMENT INSTANCE_STATE (#PCDATA)>
<!ELEMENT PRIVATE_DNS_NAME (#PCDATA)>
<!ELEMENT INSTANCE_TYPE (#PCDATA)>
<!ELEMENT REGION_CODE (#PCDATA)>
<!ELEMENT SUBNET_ID (#PCDATA)>
<!ELEMENT AVAILABILITY_ZONE (#PCDATA)>
<!ELEMENT PRIVATE_IP_ADDRESS (#PCDATA)>
<!ELEMENT PUBLIC_IP_ADDRESS (#PCDATA)>
<!ELEMENT GROUP_ID (#PCDATA)>
<!ELEMENT GROUP_NAME (#PCDATA)>
<!ELEMENT RESERVATION_ID (#PCDATA)>
<!ELEMENT LOCAL_HOSTNAME (#PCDATA)>
<!ELEMENT IS_SPOT_INSTANCE (#PCDATA)>
<!ELEMENT MAC_ADDRESS (#PCDATA)>
```

Issues Addressed

- We fixed an issue where an empty response was returned when fetching scan results using the API for IPv6 targets.
- We fixed an issue with the API showing an extra links attribute in the CEF format output due to a missing check not to show the links attribute if the next host ID was null.
- We have now updated “/api/2.0/fo/asset/ip/” API to process IPs of a single network only. It will not update multiple network IPs in a single request.
- If you update the report template through UI, the update did not reflect through API. Similarly, if you update the report template through the API, it did not reflect on the UI. We have now fixed the issue so that if you update the report template, the update is reflected correctly on UI and API.