



Qualys Global AssetView/CyberSecurity Asset Management v2.x

API Release Notes

Version 2.0

March 14, 2022 (Updated April 4, 2022)

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

[API Updates for Asset Risk Score](#)

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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.

API Updates for Asset Risk Score

API affected	rest/2.0/count/am/asset
New or Updated APIs	Updated
API affected	rest/2.0/get/am/asset
New or Updated APIs	Updated
API affected	rest/2.0/search/am/asset
New or Updated APIs	Updated

With this release, we've updated API v2 to get the count of assets and host details with Asset Risk Score (`asset.riskScore`) attribute.

Sample - Get count of all assets

API request:

```
curl -X POST -H 'Accept: */*' -H 'Authorization: Bearer <JWTToken>' -H  
'Content-Type: application/json' -i  
'https://gateway.qgl.apps.qualys.com/rest/2.0/count/am/asset' <  
filter.json
```

Here, **filter.json** file is the request in json format.

Sample Request body in json format (filter.json)

```
{  
  "filters": [  
    {  
      "field": "asset.riskScore",  
      "operator": "EQUALS",  
      "value": "936"  
    }  
  ]  
}
```

Response:

```
{  
  "count": 356,  
  "responseCode": "SUCCESS",  
  "responseMessage": "Valid API Access"  
}
```

Sample - Get host details of specific asset by assetid

API request:

```
curl -X GET -H 'Accept: */*' -H 'Authorization: Bearer <JWTToken>'  
-H 'Content-Type: application/json' -i  
'https://gateway.qg1.apps.qualys.com/rest/2.0/get/am/asset?assetId  
=22272375'
```

Response:

```
{  
  "responseMessage": "Valid API Access",  
  "count": 1,  
  "responseCode": "SUCCESS",  
  "lastSeenAssetId": null,  
  "hasMore": 0,  
  "assetListData": {  
    "asset": [  
      {  
        "assetId": 22272375,  
        "assetUUID": "e0939109-1eaa-4a75-9542-  
8a678a457674",  
        "hostId": null,  
        "lastModifiedDate": "2021-11-30T14:05:02.000Z",  
        "agentId": null,  
        "createdDate": "2021-11-30T14:05:01.000Z",  
        "sensorLastUpdatedDate": "2021-11-  
30T14:05:02.000Z",  
        "assetType": "HOST",  
        "address": null,  
        "dnsName": null,  
        "assetName": "agent-admin-tmp",  
        "netbiosName": null,  
        "timeZone": null,  
        "biosDescription": null,  
        "lastBoot": null,  
        "totalMemory": null,  
        "cpuCount": null,  
        "lastLoggedOnUser": null,  
        "domainRole": "Standalone Server",  
        "hwUUID": null,  
        "biosSerialNumber": null,  
        "biosAssetTag": null,  
      }  
    ]  
  }  
}
```

```
"isContainerHost": false,
"operatingSystem": {
  "osName": "Unidentified",
  "fullName": "Unidentified",
  "category": "Unidentified / Unidentified",
  "category1": "Unidentified",
  "category2": "Unidentified",
  "productName": "Unidentified",
  "publisher": "Unidentified",
  "edition": null,
  "marketVersion": null,
  "version": null,
  "update": null,
  "architecture": null,
  "lifecycle": {
    "gaDate": null,
    "eolDate": null,
    ...
  },
  "serviceList": null,
  "lastLocation": null,
  "criticality": {
    "score": 2,
    "isDefault": true,
    "lastUpdated": null
  },
  "businessInformation": null,
  "assignedLocation": null,
  "businessAppListData": null,
  "riskScore": 926,
  "processor": null,
}
]
}
}
```

Sample - Get details of all assets

Request (without filter):

```
curl -X POST -H 'Accept: application/json' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/json' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset'
```

Request (with filter - XML):

```
curl -X POST -H 'Accept: application/xml' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/xml' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset' <
filter.xml
```

Here, **filter.xml** file is the request in XML format.

Sample Request body in XML format (filter.xml)

```
<FilterRequest>
  <filters>
    <Criteria field="asset.riskScore"
operator="EQUALS"><value>926</value></Criteria>
  </filters>
</FilterRequest>
```

Request (with filter - json):

```
curl -X POST -H 'Accept: application/json' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/json' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset' <
filter.json
```

Here, **filter.json** file is the request in json format.

Sample Request body in json format (filter.json)

```
{
  "filters": [
    {
      "field": "asset.riskScore",
      "operator": "EQUALS",
      "value": "926"
    }
  ]
}
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 22189153,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 22189153,
        "assetUUID": "6e581afe-2510-4de7-b168-c613b500a0f5",
        "hostId": null,
        "lastModifiedDate": "2021-12-03T04:29:21.000Z",
        "agentId": "6e581afe-2510-4de7-b168-c613b500a0f5",
        "createdDate": "2021-11-23T23:05:03.000Z",
        "sensorLastUpdatedDate": "2021-12-03T04:29:21.000Z",
        "assetType": "HOST",
        "address": "10.88.8.191",
        "dnsName": "udaya-agent-cc",
        "assetName": "udaya-agent-cc",
        "netbiosName": null,
        "timeZone": "UTC",
        "biosDescription": "EFI Development Kit II / OVMF 1.4.1
12/03/2020",
        "lastBoot": "2021-11-23T21:18:19.000Z",
        "totalMemory": 15467,
        "cpuCount": 2,
        "lastLoggedOnUser": "opc",
        "domainRole": "Standalone Server",
        "hwUUID": "3f0c71a7-318d-47e3-948a-a2d9cf9eca76",
        "biosSerialNumber": null,
        "biosAssetTag": null,
        "isContainerHost": false,
        "operatingSystem": {
          "osName": "CentOS Linux 7.9.2009",
          "fullName": "The CentOS Project CentOS 7 (2009)",
          "category": "Linux / Server",
          "category1": "Linux",
          "category2": "Server",
          "productName": "CentOS",
          "publisher": "The CentOS Project",
          "edition": null,
          "marketVersion": "7",
          "version": "2009",
          "update": null,
          "architecture": "x86_64",
          "lifecycle": {
```

```
    "gaDate": "2020-11-12T00:00:00.000Z",  
    "eolDate": null,  
    "eosDate": "2024-06-30T00:00:00.000Z",  
    "stage": "EOL",  
    "lifeCycleConfidence": "Exact",  
    "eolSupportStage": "Full updates",  
    ...  
  },  
  "lastLocation": null,  
  "criticality": {  
    "score": 2,  
    "isDefault": true,  
    "lastUpdated": null  
  },  
  "businessInformation": null,  
  "assignedLocation": null,  
  "businessAppListData": null,  
  "riskScore": 926,  
  "processor": {  
    "description": "AMD EPYC 7J13 64-Core Processor",  
    "speed": null,  
    "numCPUs": 2  
  }  
}  
]  
}
```

API Updates for Passive Sensor Assets

API affected	rest/2.0/count/am/asset
New or Updated APIs	Updated
API affected	rest/2.0/get/am/asset
New or Updated APIs	Updated
API affected	rest/2.0/search/am/asset
New or Updated APIs	Updated

With this release, we've updated API v2 to get the count of assets and host details for the assets collected through Network Passive Sensor.

Sample - Get count of all assets

API request:

```
curl -X POST -H 'Accept: */*' -H 'Authorization: Bearer <JWTToken>' -H  
'Content-Type: application/json' -i  
'https://gateway.qgl.apps.qualys.com/rest/2.0/count/am/asset' <  
filter.json
```

Here, **filter.json** file is the request in json format.

Sample Request body in json format (filter.json)

```
{  
  "filters": [  
    {  
      "field": "asset.trackingMethod",  
      "operator": "EQUALS",  
      "value": "PASSIVE_SENSOR"  
    }  
  ]  
}
```

Response:

```
{  
  "count": 322,  
  "responseCode": "SUCCESS",  
  "responseMessage": "Valid API Access"  
}
```


Sample - Get host details of specific asset by assetid

API request:

```
curl -X GET -H 'Accept: */*' -H 'Authorization: Bearer <JWTToken>'  
-H 'Content-Type: application/json' -i  
'https://gateway.qg1.apps.qualys.com/rest/2.0/get/am/asset?assetId  
=22272375'
```

Response:

```
{  
  "responseMessage": "Valid API Access",  
  "count": 1,  
  "responseCode": "SUCCESS",  
  "lastSeenAssetId": null,  
  "hasMore": 0,  
  "assetListData": {  
    "asset": [  
      {  
        "assetId": 22272375,  
        "assetUUID": "e0939109-1eaa-4a75-9542-  
8a678a457674",  
        "hostId": null,  
        "lastModifiedDate": "2021-11-30T14:05:02.000Z",  
        "agentId": null,  
        "createdDate": "2021-11-30T14:05:01.000Z",  
        "sensorLastUpdatedDate": "2021-11-  
30T14:05:02.000Z",  
        "assetType": "HOST",  
        "address": null,  
        "dnsName": null,  
        "assetName": "agent-admin-tmp",  
        "netbiosName": null,  
        "timeZone": null,  
        "biosDescription": null,  
        "lastBoot": null,  
        "totalMemory": null,  
        "cpuCount": null,  
        "lastLoggedOnUser": null,  
        "domainRole": "Standalone Server",  
        "hwUUID": null,  
        "biosSerialNumber": null,  
        "biosAssetTag": null,  
      }  
    ]  
  }  
}
```

```
"isContainerHost": false,
"operatingSystem": {
  "osName": "Unidentified",
  "fullName": "Unidentified",
  "category": "Unidentified / Unidentified",
  "category1": "Unidentified",
  "category2": "Unidentified",
  "productName": "Unidentified",
  "publisher": "Unidentified",
  "edition": null,
  "marketVersion": null,
  "version": null,
  "update": null,
  "architecture": null,
  "lifecycle": {
    "gaDate": null,
    "eolDate": null,
    ...
  },
  "softwareListData": null,
  "provider": "AZURE",
  "cloudProvider": {
    "aws": null,
    "azure": {
      "tags": null,
      "vm": {
        "imageOffer": "0001-com-ubuntu-server-
focal",
        "imagePublisher": "canonical",
        "imageVersion": "latest",
        "location": "centralus",
        "macAddress": "00-0D-3A-A7-15-63",
        "name": "aniket-vm4",
        "platform": "Linux",
        "privateIpAddress": "10.7.0.4",
        "publicIpAddress": null,
        "resourceGroupName": "CloudView_QA",
        "size": "Standard_B1s",
        "state": "DEALLOCATED",
        "subnet": "default",
        "subscriptionId": "9de9e0a7-4f67-4812-
```

```
917d-2246853844e1",
                                "virtualNetwork": "CloudView_QAvnet336",
                                "vmId": "f319a705-e0a9-4013-8267-
770a72afd9a1"
                                }
                                },
                                "gcp": null,
                                "oci": null,
                                "ibm": null
                                },
...
                                "container": null,
                                "inventory": {
                                    "source": "PASSIVE_SENSOR",
                                    "created": 1639040269000,
                                    "lastUpdated": 1646732147000
...
                                },
                                "businessInformation": null,
                                "assignedLocation": null,
                                "businessAppListData": null,
                                "riskScore": null,
                                "passiveSensor": {
                                    "id":
"029415990863:1634129210:693813:701:1634129210:693813:701",
                                    "name": "Virtual_sensor",
                                    "location": "11th Floor",
                                    "firstSeen": "2021-12-09T08:25:10.000Z",
                                    "lastSeen": "2021-12-09T08:25:10.000Z"
                                },
                                "processor": null
                                }
                            ]
                        }
                    }
                }
```

Sample - Get details of all assets

Request (without filter):

```
curl -X POST -H 'Accept: application/json' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/json' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset'
```

Request (with filter - XML):

```
curl -X POST -H 'Accept: application/xml' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/xml' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset' <
filter.xml
```

Here, **filter.xml** file is the request in XML format.

Sample Request body in XML format (filter.xml)

```
<FilterRequest>
  <filters>
    <Criteria field="asset.trackingMethod"
operator="EQUALS"><value>PASSIVE_SENSOR</value></Criteria>
  </filters>
</FilterRequest>
```

Request (with filter - json):

```
curl -X POST -H 'Accept: application/json' -H 'Authorization:
Bearer <JWTToken>' -H 'Content-Type: application/json' -i
'https://gateway.qg1.apps.qualys.com/rest/2.0/search/am/asset' <
filter.json
```

Here, **filter.json** file is the request in json format.

Sample Request body in json format (filter.json)

```
{
  "filters": [
    {
      "field": "asset.trackingMethod",
      "operator": "EQUALS",
      "value": "PASSIVE_SENSOR"
    }
  ]
}
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 22189153,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 22189153,
        "assetUUID": "6e581afe-2510-4de7-b168-c613b500a0f5",
        "hostId": null,
        "lastModifiedDate": "2021-12-03T04:29:21.000Z",
        "agentId": "6e581afe-2510-4de7-b168-c613b500a0f5",
        "createdDate": "2021-11-23T23:05:03.000Z",
        "sensorLastUpdatedDate": "2021-12-03T04:29:21.000Z",
        "assetType": "HOST",
        "address": "10.88.8.191",
        "dnsName": "udaya-agent-cc",
        "assetName": "udaya-agent-cc",
        "netbiosName": null,
        "timeZone": "UTC",
        "biosDescription": "EFI Development Kit II / OVMF 1.4.1
12/03/2020",
        "lastBoot": "2021-11-23T21:18:19.000Z",
        "totalMemory": 15467,
        "cpuCount": 2,
        "lastLoggedOnUser": "opc",
        "domainRole": "Standalone Server",
        "hwUUID": "3f0c71a7-318d-47e3-948a-a2d9cf9eca76",
        "biosSerialNumber": null,
        "biosAssetTag": null,
        "isContainerHost": false,
        "operatingSystem": {
          "osName": "CentOS Linux 7.9.2009",
          "fullName": "The CentOS Project CentOS 7 (2009)",
          "category": "Linux / Server",
          "category1": "Linux",
          "category2": "Server",
          "productName": "CentOS",
          "publisher": "The CentOS Project",
          "edition": null,
          "marketVersion": "7",
          "version": "2009",
          "update": null,
          "architecture": "x86_64",
          "lifecycle": {
```

```
    "gaDate": "2020-11-12T00:00:00.000Z",
    "eolDate": null,
    "eosDate": "2024-06-30T00:00:00.000Z",
    "stage": "EOL",
    "lifeCycleConfidence": "Exact",
    "eolSupportStage": "Full updates",
...
    },
"softwareListData": null,
"provider": "AZURE",
"cloudProvider": {
  "aws": null,
  "azure": {
    "tags": null,
    "vm": {
      "imageOffer": "0001-com-ubuntu-server-focal",
      "imagePublisher": "canonical",
      "imageVersion": "latest",
      "location": "centralus",
      "macAddress": "00-0D-3A-A7-15-63",
      "name": "aniket-vm4",
      "platform": "Linux",
      "privateIpAddress": "10.7.0.4",
      "publicIpAddress": null,
      "resourceGroupName": "CloudView_QA",
      "size": "Standard_B1s",
      "state": "DEALLOCATED",
      "subnet": "default",
      "subscriptionId": "9de9e0a7-4f67-4812-917d-
2246853844e1",
      "virtualNetwork": "CloudView_QAvnet336",
      "vmId": "f319a705-e0a9-4013-8267-770a72afd9a1"
    }
  },
  "gcp": null,
  "oci": null,
  "ibm": null
},
...
"container": null,
"inventory": {
  "source": "PASSIVE_SENSOR",
  "created": 1639040269000,
  "lastUpdated": 1646732147000
...
},
"businessInformation": null,
```

```
    "assignedLocation": null,  
    "businessAppListData": null,  
    "riskScore": null,  
    "passiveSensor": {  
      "id":  
"029415990863:1634129210:693813:701:1634129210:693813:701",  
      "name": "Virtual_sensor",  
      "location": "11th Floor",  
      "firstSeen": "2021-12-09T08:25:10.000Z",  
      "lastSeen": "2021-12-09T08:25:10.000Z"  
    },  
    "processor": {  
      "description": "AMD EPYC 7J13 64-Core Processor",  
      "speed": null,  
      "numCPUs": 2  
    }  
  }  
]  
}  
}
```

Performance Improvement in API v2

With this release, we have improved the performance of the Asset/Filter List Public v2 API.