



# Qualys Global AssetView/CyberSecurity Asset Management v2.x

## API Release Notes

Version 2.6

December 3, 2021 (Updated December 13, 2021)

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 OCI Information](#)

[User Scoping for APIs](#)

### 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 OCI Information

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, get the host details with OCI provider and OCI related metadata with values for the requested assets by filtering with the newly introduced `oci.compute.canonicalRegionName` 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": "oci.compute.canonicalRegionName",  
      "operator": "EQUALS",  
      "value": "us-ashburn-1"  
    }  
  ]  
}
```

#### Response:

```
{  
  "count": 850,  
  "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,  
        "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,
    "eosDate": null,
    "stage": "Not Applicable",
    "lifeCycleConfidence": "Exact",
    "eolSupportStage": " ",
    "eosSupportStage": " "
  },
  "taxonomy": {
    "id": null,
    "name": "Unidentified / Unidentified",
    "category1": "Unidentified",
    "category2": "Unidentified"
  },
  "productUrl": ",,",
  "productFamily": null,
  "installDate": null
},
"hardware": {
  "fullName": "Unknown",
  "category": "Unknown",
  "category1": "Unknown",
  "category2": "Unknown",
  "manufacturer": "Unknown",
  "productName": "Unknown",
  "model": "Unknown",
  "lifecycle": {
```

```
        "introDate": null,  
        "gaDate": null,  
        "eosDate": null,  
        "obsoleteDate": null,  
        "stage": "",  
        "lifeCycleConfidence": ""  
    },  
    "taxonomy": {  
        "id": null,  
        "name": "Unknown",  
        "category1": "Unknown",  
        "category2": "Unknown"  
    },  
    "productUrl": "",  
    "productFamily": "Unknown"  
},  
"userAccountListData": null,  
"openPortListData": null,  
"volumeListData": null,  
"networkInterfaceListData": null,  
"softwareListData": null,  
"provider": "OCI",  
"cloudProvider": {  
    "aws": null,  
    "azure": null,  
    "gcp": null,  
    "oci": {  
        "compute": {  
            "ociId": "ocid1.instance.oc1.us-sanjose-  
1.anzwuljrchxdvzycgcmuuwucuv776d2hv3tp7yexn4atzvouinauumcj3ihha",  
            "tenantId":  
"ocid1.tenancy.oc1..aaaaaaaax2gwhq3hszjqhte5pgzizjyge6gvlsrqar6kxn7itwhk  
7keokamq",  
            "tenantName": "oraclecengg1",  
            "compartmentId":  
"ocid1.compartment.oc1..aaaaaaaayx6dk65saj6ql2iy7qv63uc6crgjidkxeuq6aks  
yhxsxbvu75kq",  
            "compartmentName": "devops",  
            "image": "ocid1.image.oc1.us-sanjose-  
1.aaaaaaaap6tywa3d75jrv2kf6fxtiej33xioqgmtfwjmlucuiwer2x4hbq",  
            "shape": "VM.Standard2.1",  
            "state": "TERMINATED",  
            "region": "us-sanjose-1",  
            "availabilityDomain": "Lhxx:US-SANJOSE-1-AD-1",  
            "faultDomain": "FAULT-DOMAIN-1",
```

```
    "creationDate": 1638271328000,  
    "hasAgent": false,  
    "qualysScanner": false  
  },  
  "tags": [  
    {  
      "key": "CreatedBy",  
      "value": "1.anzwuljrchxdvzycbjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmda",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedBy",  
      "value": "sanjose-1.anzwuljrchxdvzycbjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmda",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    }  
  ]  
}
```

```
    },  
    {  
      "key": "CreatedBy",  
      "value": "ocidl.instance.oc1.us-  
sanjose-  
1.anzwuljrchxdvzycbjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmnda",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedBy",  
      "value": "ocidl.instance.oc1.us-  
sanjose-  
1.anzwuljrchxdvzycbjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmnda",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedOn",  
      "value": "2021-11-30T11:22:08.350Z",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"  
    },  
    {  
      "key": "CreatedBy",  
      "value": "ocidl.instance.oc1.us-  
sanjose-  
1.anzwuljrchxdvzycbjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmnda",  
      "type": "DEFINED",  
      "nameSpace": "Oracle-Tags"
```

```
    },
    {
      "key": "CreatedBy",
      "value": "ocidl.instance.oc1.us-
sanjose-
1.anzwuljrchxdvzybjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmda",
      "type": "DEFINED",
      "nameSpace": "Oracle-Tags"
    },
    {
      "key": "CreatedBy",
      "value": "ocidl.instance.oc1.us-
sanjose-
1.anzwuljrchxdvzybjmhuguala625xs5xkotl5gtxd7iises54i7a6vcmda",
      "type": "DEFINED",
      "nameSpace": "Oracle-Tags"
    }
  ],
  "vnic": null
}
},
"agent": null,
"sensor": {
  "activatedForModules": [],
  "pendingActivationForModules": [],
  "lastVMScan": 0,
  "lastComplianceScan": 0,
  "lastFullScan": 0
},
"container": null,
"inventory": {
  "source": "ORACLE",
  "created": 1638281101000,
  "lastUpdated": 1638281102000
},
"activity": null,
"tagList": {
  "tag": [
    {
      "tagId": 120929244,
      "tagName":
"connectors_module_testing_tags",
```



```
        "foregroundColor": 0,  
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
    },  
    {  
        "tagId": 121097212,  
        "tagName": "Unmanaged",  
        "foregroundColor": 0,  
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
    },  
    {  
        "tagId": 121037646,  
        "tagName": "oci-tag",  
        "foregroundColor": 0,  
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
    },  
    {  
        "tagId": 121299427,  
        "tagName": "azure",  
        "foregroundColor": 0,  
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
    },  
    {  
        "tagId": 120929245,  
        "tagName": "aws_connector_tag",  
        "foregroundColor": 0,  
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
    },  
    {  
        "tagId": 121097412,  
        "tagName": "Passive Sensor",  
        "foregroundColor": 0,
```

```
        "backgroundColor": 0,  
        "businessImpact": null,  
        "criticalityScore": null  
      }  
    ]  
  },  
  "serviceList": null,  
  "lastLocation": null,  
  "criticality": {  
    "score": 2,  
    "isDefault": true,  
    "lastUpdated": null  
  },  
  "businessInformation": null,  
  "assignedLocation": null,  
  "businessAppListData": null,  
  "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="oci.compute.canonicalRegionName"  
operator="EQUALS"><value>us-ashburn-1</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": "oci.compute.canonicalRegionName",
      "operator": "EQUALS",
      "value": "us-ashburn-1"
    }
  ]
}
```

### 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",
"hwUUID": "3f0c71a7-318d-47e3-948a-a2d9cf9eca76",
"biosSerialNumber": null,
"biosAssetTag": null,
"isContainerHost": false,
"operatingSystem": {
  "osName": "Oracle Enterprise Linux 7.9",
  "fullName": "Oracle Linux 7.9",
  "category": "Linux / Server",
  "category1": "Linux",
  "category2": "Server",
  "productName": "Oracle Linux",
  "publisher": "Oracle",
  "edition": null,
  "marketVersion": "7",
  "version": "7.9",
  "update": null,
  "architecture": "x86_64",
  "lifecycle": {
    "gaDate": "2020-10-07T00:00:00.000Z",
    "eolDate": "2024-07-31T00:00:00.000Z",
    "eosDate": null,
    "stage": "GA",
    "lifeCycleConfidence": "Exact",
    "eolSupportStage": "Premier Support/ Basic Support/
Network Support",
    "eosSupportStage": "Extended \nSupport"
  },
  },
...
"provider": "OCI",
"cloudProvider": {
  "aws": null,
  "azure": null,
  "gcp": null,
  "oci": {
    "compute": {
      "ociId":
"ocid1.instance.oc1.iad.anuwcljtchxdvzychqp55os7zwlrtqyv51ttffzmlpvr7xczg
7qg54cl4sqda",
      "tenantId":
"ocid1.tenancy.oc1..aaaaaaaax2gwhq3hszjqhte5pgzizjgyge6gvlsrqar6kxn7itwhk
7keokamq",
      "tenantName": "oraclecengg1",
      "compartmentId":
"ocid1.compartment.oc1..aaaaaaaavjsvtinge4orfgjnos5fmqk3clbjefhouv2hpzmo
4xmkyrkojq",
```

```
        "compartmentName": "CloudView",
        "image":
"ocid1.image.oc1.iad.aaaaaaa5yw4ukpgtmo2gaqhk5phkgenz26y4auuodt7pd6byie
5ho6zx5kq",
        "shape": "VM.Standard.E4.Flex",
        "state": "RUNNING",
        "region": "us-ashburn-1",
        "availabilityDomain": "Lhkx:US-ASHBURN-AD-1",
        "faultDomain": "FAULT-DOMAIN-1",
        "creationDate": "2021-11-23 21:02:21",
        "hasAgent": true,
        "qualysScanner": false
    },
    "tags": [
        {
            "key": "CreatedOn",
            "value": "2021-11-23T21:02:19.689Z",
            "type": "DEFINED",
            "nameSpace": "Oracle-Tags"
        }
    ],
    ...
},
"lastLocation": null,
"criticality": {
    "score": 2,
    "isDefault": true,
    "lastUpdated": null
},
"businessInformation": null,
"assignedLocation": null,
"businessAppListData": null,
"processor": {
    "description": "AMD EPYC 7J13 64-Core Processor",
    "speed": null,
    "numCPUs": 2
}
}
]
}
}
```

## User Scoping for APIs

With this release, we've fixed an issue where a sub user was able to get the count of assets and asset details using APIs even if the asset was not in the scope of the user.

With this fix, the user will get a response of the assets as per scope using count and list APIs.

### **For example:**

If a Manager user has access to 100 assets: the Count API response will show 100 assets and List API will show details of all these 100 assets.

Now, consider that the Manager user creates a 'Reader' sub user and assigns only 50 assets to this user and when Reader executes APIs, the response will contain data of the only 50 assets and not all 100 assets.