



Qualys Global AssetView/CyberSecurity Asset Management v2.x and v1.x

API Release Notes

Version 2.16.1

October 06, 2023 (Updated on November 07, 2023)

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

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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](#)

In some of the API Release Notes, the API gateway URL for Qualys US Platform 1 (<https://gateway.qg1.apps.qualys.com>) is used in sample API requests.

For this API Release Notes, instead of providing any platform-specific URL, `<qualys_base_url>` is mentioned in the sample API requests.

If you are on another platform, replace this URL with the appropriate gateway URL for your account.

Include or Exclude ASN from EASM Profile

API affected	/easm/v1/profile/
New or Updated APIs	Updated
Operator	POST, PUT, and PATCH
DTD or XSD changes	Not applicable

With this release, you can now include or exclude ASN when you create or edit your EASM profile. When you include ASN to your EASM profile, assets are discovered on the basis of ASN.

Sample - Include ASN to your EASM profile

Refer to the following API request for the POST method.

API Request:

```
curl --location --request POST '<qualys_base_url>/easm/v1/profile' \
--header 'Authorization: Bearer <JWT Token>' \
--header 'Content-Type: application/json' \
--data '{
  "includeSeeds": [
    {
      "seedType": "DOMAIN",
      "seedValue": "qualys.com",
      "seedHeading": null,
      "status": "Validated",
      "enumerateSubsidiary": true,
      "horizontalEnumeration": true,
      "seedFilters": []
    },
    {
      "seedType": "ASN",
      "seedValue": "AS27385",
      "seedHeading": null,
      "status": "",
      "enumerateSubsidiary": false,
      "horizontalEnumeration": false,
      "seedFilters": []
    }
  ],
  "excludeSeeds": [
  ],
  "enableIFAScan": false,
  "userUuid": "0182bc06-78a3-c119-80ec-561aa9684bae"
}'
```

Response:

```
{
  "code": "201",
  "status": "SAVED",
  "date": "2023-09-22 12:10:06",
  "message": "Profile Created Successfully: "
```

Sample - Exclude ASN from your EASM profile

Refer to the following API request for the POST method.

API Request:

```
curl --location --request POST '<qualys_base_url>/easm/v1/profile' \
--header 'Authorization: Bearer <JWT Token>' \
--header 'Content-Type: application/json' \
--data '{
  "includeSeeds": [
    {
      "seedType": "DOMAIN",
      "seedValue": "qualys.com",
      "seedHeading": null,
      "status": "Validated",
      "enumerateSubsidiary": true,
      "horizontalEnumeration": true,
      "seedFilters": []
    }
  ],
  "excludeSeeds": [
    {
      "seedType": "ASN",
      "seedValue": "AS27385"
    }
  ],
  "enableIFAScan": false,
  "userUuid": "0182bc06-78a3-c119-80ec-561aa9684bae"
}
```

Response:

```
{
  "code": "200",
  "status": "UPDATED",
  "date": "2023-09-22 12:28:29",
  "message": "Profile Updated Successfully"
```

Include or Exclude Internet-facing tagged assets to EASM Discovery Scan

API affected	/easm/v1/profile/
New or Updated APIs	Updated
Operator	POST, PUT, and PATCH
DTD or XSD changes	Not applicable

With this release, you can choose to add Internet-facing tagged assets to the EASM discovery scan. As a result, your Internet-facing tagged assets, including scanned and cloud agent assets, are picked up as input to EASM.

Sample - Include Internet-facing tagged assets to EASM discovery scan (POST Method)

API Request:

```
curl --location '<qualys_base_url>/easm/v1/profile/' \  
--header 'Content-Type: application/json' \  
--data '{  
  "includeSeeds": [  
    {  
      "seedType": "DOMAIN",  
      "seedValue": "qualys.com",  
      "seedHeading": null,  
      "status": "Validated",  
      "enumerateSubsidiary": true,  
      "horizontalEnumeration": true,  
      "seedFilters": []  
    }  
  ],  
  "excludeSeeds": [  
  ],  
  "enableIFAScan": true,  
  "userUuid": "0182bc06-78a3-c119-80ec-561aa9684bae"  
}'
```

Response:

```
{  
  "code": "201",  
  "status": "SAVED",  
  "date": "2023-09-28T01:14:53.584+00:00",  
  "message": "Profile Created Successfully: "  
}
```

Sample - Exclude Internet-facing tagged assets from the EASM discovery scan (POST Method)

API Request:

```
curl --location '<qualys_base_url>/easm/v1/profile/' \  
--header 'Content-Type: application/json' \  
--data '{  
  "includeSeeds": [  
    {  
      "seedType": "DOMAIN",  
      "seedValue": "qualys.com",  
      "seedHeading": null,  
      "status": "Validated",  
      "enumerateSubsidiary": true,  
      "horizontalEnumeration": true,  
      "seedFilters": []  
    }  
  ],  
  "excludeSeeds": [  
  ],  
  "enableIFAScan": false,  
  "userUuid": "0182bc06-78a3-c119-80ec-561aa9684bae"  
}'
```

Response:

```
{  
  "code": "200",  
  "status": "UPDATED",  
  "date": "2023-09-28T02:15:30.364+00:00",  
  "message": "Profile Updated Successfully"  
}
```

Role-Based Permission for Managing EASM Profile

API affected	/easm/v1/profile/
New or Updated APIs	Updated
Operator	POST, PUT, and PATCH
DTD or XSD changes	Not applicable

With this release, the super user can assign 'Edit EASM Configuration' and 'View EASM Configuration' role-based permissions to restrict the EASM profile actions. These permissions are provided from the Administration application.

- If you are granted the 'Edit EASM Configuration' permission, you can create an EASM profile, edit the existing EASM profile, or delete the existing EASM profile.
- If you are granted the 'View EASM Configuration' permission, you can only view the EASM profile but you cannot perform the EASM profile-related other actions mentioned earlier.
- If you are not granted both permissions, you cannot view the EASM profile. Also, you cannot create, edit, and delete the EASM profile.

See the following sections to see the responses you get if only the 'View EASM Configuration' permission is granted to you.

- [View an existing EASM Profile](#)
- [Create EASM Profile](#)
- [Update EASM Profile Using PUT Method](#)
- [Update EASM Profile Using PATCH Method](#)
- [Delete an Existing EASM Profile](#)

View an existing EASM Profile

Irrespective of whether you are granted the 'Edit EASM Configuration' or 'View EASM Configuration' permission, you can view the existing EASM profile.

Note: If you are not granted both permissions, you cannot view the EASM profile.

Sample - View the existing EASM profile

API Request:

```
curl --location '<qualys_base_url>/easm/v1/profile' \  
--header 'Authorization: Bearer <Auth Token>' \  
--data ''
```

Response:

You can see the following response when you are granted the 'Edit EASM Configuration' or 'View EASM Configuration' permission or both.

```
{
  "includeSeeds": [
    {
      "seedType": "ORGANIZATION",
      "seedValue": "Qualys, Inc",
      "seedHeading": null,
      "status": null,
      "enumerateSubsidiary": true,
      "horizontalEnumeration": true,
      "seedFilters": [
        {
          "filterType": "IP",
          "filterValue": "192.67.89.56"
        },
        {
          "filterType": "CITY",
          "filterValue": "pune"
        },
        {
          "filterType": "COUNTRY",
          "filterValue": "IN"
        }
      ]
    }
  ],
  "excludeSeeds": [
    {
      "seedType": "NETBLOCK",
      "seedValue": "14.81.179.186"
    },
    {
      "seedType": "NETBLOCK",
      "seedValue": "35.208.32.34"
    }
  ],
  "enableIFAScan": false,
  "userUuid": "a8d6c94b-8c9d-d25a-80f0-a79f2ab08ddc"
}
```

Response:

You can see the following response when you are not granted the 'Edit EASM Configuration' and 'View EASM Configuration' permissions.

```
{
  "date": "2023-09-20 07:40:34",
  "message": "Authorization Error",
  "details": [
    "The user doesn't have permission to call this API"
  ]
}
```

Create EASM Profile

If you are not granted the 'Edit EASM Configuration' permission, you cannot create the EASM profile.

Sample - Create the EASM Profile

API Request:

```
curl --location '<qualys_base_url>/easm/v1/profile' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <Auth Token>' \
--data '{
  "includeSeeds": [
    {
      "seedType": "ORGANIZATION",
      "seedValue": "Standard Chartered Bank",
      "seedHeading": null,
      "status": "Validated",
      "enumerateSubsidiary": true,
      "horizontalEnumeration": true,
      "seedFilters": [
        {
          "filterType": "COUNTRY",
          "filterValue": "US"
        }
      ]
    }
  ],
  "excludeSeeds": [],
  "enableIFAScan": false,
  "userUuid": "42079a29-8a2e-52f9-8292-8bd2f1b41ae9"
}'
```


Response:

```
{
  "date": "2023-09-20 07:40:34",
  "message": "Authorization Error",
  "details": [
    "The user doesn't have permission to call this API"
  ]
}
```

Update EASM Profile Using PUT Method

If you are not granted the 'Edit EASM Configuration' permission, you cannot update the existing EASM profile using the PUT method.

Sample -Update the EASM profile

API Request:

```
curl --location --request PUT '<qualys_base_url>/easm/v1/profile' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <Auth Token>' \
--data '{
  "includeSeeds": [
    {
      "seedType": "ORGANIZATION",
      "seedValue": "Qualys, Inc",
      "seedHeading": null,
      "enumerateSubsidiary": true,
      "horizontalEnumeration": true,
      "seedFilters": []
    }
  ],
  "excludeSeeds": [
    {
      "seedType": "NETBLOCK",
      "seedValue":
"104.197.173.184;104.197.198.124;34.71.106.137;34.72.53.192"
    }
  ]
}'
```

Response:

```
{
  "date": "2023-09-20 07:50:29",
  "message": "Authorization Error",
  "details": [
    "The user doesn't have permission to call this API"
  ]
}
```

Update EASM Profile Using PATCH Method

If you are not granted the 'Edit EASM Configuration' permission, you cannot update the existing EASM profile using the PATCH method.

Sample - Update the EASM profile using PATCH method

API Request:

```
curl --location --request PATCH '<qualys_base_url>/easm/v1/profile' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer <Auth Token>' \  
--data '{  
  "includeSeeds": [],  
  "excludeSeeds": [  
    {  
      "seedType": "NETBLOCK",  
      "seedValue": "34.82.42.9"  
    }, {  
      "seedType": "NETBLOCK",  
      "seedValue": "34.82.84.193"  
    }  
  ]  
'
```

Response:

```
{  
  "date": "2023-09-20 07:52:01",  
  "message": "Authorization Error",  
  "details": [  
    "The user doesn't have permission to call this API"  
  ]  
}
```

Delete an Existing EASM Profile

If you are not granted the 'Edit EASM Configuration' permission, you cannot delete the existing EASM profile.

Sample - Delete the existing EASM profile

API Request:

```
curl --location --request DELETE '<qualys_base_url>/easm/v1/profile' \  
--header 'Authorization: Bearer <Auth Token>' \  
--data ''
```

Response:

```
{
  "date": "2023-09-20 07:52:57",
  "message": "Authorization Error",
  "details": [
    "The user doesn't have permission to call this API"
  ]
}
```

Check Sync Status of an Active EASM Profile

API affected	/easm/v1/profile/status
New or Updated APIs	Updated
Operator	GET
DTD or XSD changes	Not applicable

With this release, we have introduced EASM profile new statuses. By using this API, you can get the discovery status of your active EASM profile.

Sample - Identify the EASM profile status

API Request:

```
curl --location --request GET '<qualys_base_url>' \ --header  
'Authorization: Bearer <JWT Token>'
```

Response:

See the EASM profile statuses and their responses.

SCHEDULED: The EASM configuration is successfully Completed.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-22 06:34:59",  
  "status": "SCHEDULED"  
}
```

QUEUED: The EASM configuration is successfully completed and awaiting resources to start the discovery.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-22 06:34:59",  
  "status": "QUEUED"  
}
```

IN PROGRESS: The EASM Enumeration & Discovery is in Progress.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-22 06:34:59",  
  "status": "IN PROGRESS"  
}
```

COMPLETED: All EASM Enumeration and Discovery processes are completed.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-21 12:11:03",  
  "status": "COMPLETED"  
}
```

FAILED: EASM Enumeration and Discovery processes are Failed. The discovery will be Queued automatically.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-21 12:11:03",  
  "status": "FAILED"  
}
```

QUEUED (RETRY): EASM Enumeration & Discovery processes are queued and awaiting resources to start after the last failure.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-21 12:11:03",  
  "status": "QUEUED (RETRY)"  
}
```

IN PROGRESS (RETRY): EASM Enumeration and discovery processes are in progress after the last failure.

```
{  
  "profileId": 11454,  
  "profileSaveTimestamp": "2023-09-21 12:11:03",  
  "status": "IN PROGRESS (RETRY)"  
}
```

New field "softwareComponent" in V2 and V1 API Responses

With this release, a new field, "softwareComponent" is added to the response of the following public V2 and V1 APIs.

Note:

- This field is shown in the response only when the includeFields=softwareComponent attribute is added to the API requests of all the listed APIs.
- This field is shown for assets for which the Software Composition Analysis (SwCA) is enabled. In this field, you can see the software component details used by first-party (custom application packages) and third-party (open-source application) packages. With the help of this data, you can detect, manage, and proactively address the potential risk of software supply chain vulnerabilities in the production environment.
- SwCA is supported only for Windows and Linux Platforms and can be activated only when VM is activated for the agent.

Public V2 APIs

- [Asset by AssetID V2 API](#)
- [Get Host Details of All Assets](#)

Public V1 APIs

- [Asset by AssetID V1 API](#)
- [Asset List V1 API](#)
- [Asset Filter V1 API](#)

Asset by AssetID V2 API

API affected	/rest/2.0/get/am/asset
New or Updated APIs	Updated
Operator	GET
DTD or XSD changes	Not applicable

Sample - Get "softwareComponent" details from the Asset by AssetID V2 API

API Request:

```
curl --location  
'<qualys_base_url>/rest/2.0/get/am/asset?assetId=39917023&includeFields=s  
oftwareComponent' \  
--header 'Authorization: Bearer <JWT Token>' \  
--data ''
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 39917023,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 39917023,
        "assetUUID": "2c95b11c-448a-4c78-bd72-cd57cd504ed9",
        "hostId": null,
        ...
        "softwareComponent": {
          "softwareComponent": [
            {
              "id": 1430864461,
              "Name": "iconv-lite",
              "Version": "0.6.2",
              "Technology": "Node.js",
              "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
              "ReconciledSwComponentUpdatedDate": null,
              "CreatedDate": "2023-09-13T16:46:50.000Z",
              "UpdatedDate": "2023-09-27T23:57:37.000Z",
              "SourceQid": "989920",
              "InstalledDate": "1970-01-01T00:00:00.000Z"
            },
            {
              "id": 1430835861,
              "Name": "bytes",
              "Version": "3.1.0",
              "Technology": "Node.js",
              "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
              "ReconciledSwComponentUpdatedDate": null,
              "CreatedDate": "2023-09-12T18:29:17.000Z",
              "UpdatedDate": "2023-09-27T23:57:37.000Z",
              "SourceQid": "989920",
              "InstalledDate": "1970-01-01T00:00:00.000Z"
            },
            ...
            {
              "id": 1430835878,
              "Name": "qs",
              "Version": "6.7.0",
              "Technology": "Node.js",
```

```

        "lock.json",
        "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
        "ReconciledSwComponentUpdatedDate": null,
        "CreatedDate": "2023-09-12T18:29:17.000Z",
        "UpdatedDate": "2023-09-27T23:57:37.000Z",
        "SourceQid": "989920",
        "InstalledDate": "1970-01-01T00:00:00.000Z"
    },
    ...
]
},
"provider": null,
...
"processor": null
}
...
]
}
}

```

Get Host Details of All Assets

API affected	/rest/2.0/search/am/asset
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample - Get “softwareComponent” details from the Get Host Details of All Assets API (V2 API)

API Request:

```

curl --location
'<qualys_base_url>/rest/2.0/search/am/asset/?includeFields=softwareCompon
ent' \
--header 'Content-Type: application/xml' \
--header 'Authorization: Bearer <JWT Token>' \
--data '<FilterRequest>
  <filters>
    <criteria field="asset.assetID" operator="EQUALS">
      <value>39917023</value>
    </criteria>
  </filters>
</FilterRequest>'

```


Request Body:

```
<FilterRequest>
  <filters>
    <criteria field="asset.assetID" operator="EQUALS">
      <value>39917023</value>
    </criteria>
  </filters>
</FilterRequest>
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 40702363,
  "hasMore": 1,
  "assetListData": {
    "asset": [
      {
        "assetId": 39917023,
        "assetUUID": "2c95b11c-448a-4c78-bd72-cd57cd504ed9",
        "hostId": null,
        ...
        "softwareListData": null,
        "softwareComponent": {
          "softwareComponent": [
            {
              "id": 1430864461,
              "Name": "iconv-lite",
              "Version": "0.6.2",
              "Technology": "Node.js",
              "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
              "ReconciledSwComponentUpdatedDate": null,
              "CreatedDate": "2023-09-13T16:46:50.000Z",
              "UpdatedDate": "2023-09-26T05:09:50.000Z",
              "SourceQid": "989920",
              "InstalledDate": "1970-01-01T00:00:00.000Z"
            },
            {
              "id": 1430835861,
              "Name": "bytes",
              "Version": "3.1.0",
              "Technology": "Node.js",
              "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
              "ReconciledSwComponentUpdatedDate": null,
```

```
        "CreatedDate": "2023-09-12T18:29:17.000Z",
        "UpdatedDate": "2023-09-26T05:09:50.000Z",
        "SourceQid": "989920",
        "InstalledDate": "1970-01-01T00:00:00.000Z"
    },
    ...
]
},
"provider": null,
"cloudProvider": null,
...
"asn": null,
"easmTags": null,
"hostingCategory1": null,
"customAttributes": null,
"processor": null
},
...
]
}
}
```

Asset by AssetID V1 API

API affected	/am/v1/asset/host/id
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample - Get "softwareComponent" details from the Asset by AssetID V1 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/am/v1/asset/host/id?assetId=39917023&includeFields=softwareComponent' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <JWT Token>'
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": null,
  "hasMore": 0,
```

```
"assetListData": {
  "asset": [
    {
      "assetId": 39917023,
      "assetUUID": "2c95b11c-448a-4c78-bd72-cd57cd504ed9",
      ...
      "softwareListData": null,
      "softwareComponent": {
        "softwareComponent": [
          {
            "id": 1430864461,
            "Name": "iconv-lite",
            "Version": "0.6.2",
            "Technology": "Node.js",
            "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
            "ReconciledSwComponentUpdatedDate": null,
            "CreatedDate": "2023-09-13T16:46:50.000Z",
            "UpdatedDate": "2023-09-26T05:09:50.000Z",
            "SourceQid": "989920",
            "InstalledDate": "1970-01-01T00:00:00.000Z"
          },
          {
            "id": 1430835861,
            "Name": "bytes",
            "Version": "3.1.0",
            "Technology": "Node.js",
            "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
lock.json",
            "ReconciledSwComponentUpdatedDate": null,
            "CreatedDate": "2023-09-12T18:29:17.000Z",
            "UpdatedDate": "2023-09-26T05:09:50.000Z",
            "SourceQid": "989920",
            "InstalledDate": "1970-01-01T00:00:00.000Z"
          },
          ...
        ]
      },
      "provider": null,
      "cloudProvider": null,
      "agent": null,
      ...
      "processor": null
    }
  ]
}
```

Asset List V1 API

API affected	/am/v1/asset/host/list
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample - Get "softwareComponent" details from the Asset List V1 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/am/v1/assets/host/list?lastSeenAssetId=39911015&includeFields=softwareComponent' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <JWT Token>'
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": null,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 39917023,
        "assetUUID": "2c95b11c-448a-4c78-bd72-cd57cd504ed9",
        ...
        "softwareComponent": {
          "softwareComponent": [
            {
              "id": 1430864461,
              "Name": "iconv-lite",
              "Version": "0.6.2",
              "Technology": "Node.js",
              "TargetPath": "/root/SWCA_DATA/JP_DATA/package-lock.json",
              "ReconciledSwComponentUpdatedDate": null,
              "CreatedDate": "2023-09-13T16:46:50.000Z",
              "UpdatedDate": "2023-09-26T05:09:50.000Z",
              "SourceQid": "989920",
              "InstalledDate": "1970-01-01T00:00:00.000Z"
            },
            {
              "id": 1430835861,
```

```
lock.json",
    "Name": "bytes",
    "Version": "3.1.0",
    "Technology": "Node.js",
    "TargetPath": "/root/SWCA_DATA/JP_DATA/package-
    "ReconciledSwComponentUpdatedDate": null,
    "CreatedDate": "2023-09-12T18:29:17.000Z",
    "UpdatedDate": "2023-09-26T05:09:50.000Z",
    "SourceQid": "989920",
    "InstalledDate": "1970-01-01T00:00:00.000Z"
  },
  ...
]
},
"provider": null,
"cloudProvider": null,
...
"processor": null
}
...
]
}
}
```

Asset Filter V1 API

API affected	/am/v1/assets/host/filter/list
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample - Get "softwareComponent" details from the Asset Filter V1 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/am/v1/assets/host/filter/list?filter=swCAIdealCandidat
e%3Atrue&includeFields=softwareComponent&lastModifiedDate=2023-08-
22T00%3A00%3A00.000Z' \
--header 'Authorization: Bearer <JWT Token>' \
--data ''
```

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
```

```
"responseCode": "SUCCESS",
"lastSeenAssetId": 43857622,
"hasMore": 0,
"assetListData": {
  "asset": [
    {
      "assetId": 34487221,
      "assetUUID": "4e7ac4cb-3a06-42f5-afc2-904867de1cd3",
      ...
      "softwareListData": null,
      "softwareComponent": {
        "softwareComponent": [
          {
            "id": 1432130611,
            "Name": "unist-util-visit",
            "Version": "1.4.1",
            "Technology": "Node.js",
            "TargetPath": "/Scapoc/Go/consul/ui/yarn.lock",
            "ReconciledSwComponentUpdatedDate": null,
            "CreatedDate": "2023-09-27T13:00:03.000Z",
            "UpdatedDate": "2023-09-27T13:00:03.000Z",
            "SourceQid": "989920",
            "InstalledDate": "1970-01-01T00:00:00.000Z"
          },
          {
            "id": 1432130612,
            "Name": "github.com/nrdcg/porkbun",
            "Version": "0.1.1",
            "Technology": "Go",
            "TargetPath":
"/root/.Swca_dummy_data/git_topProjects/go/go-
micro/plugins/logger/zap/go.mod",
            "ReconciledSwComponentUpdatedDate": null,
            "CreatedDate": "2023-09-27T13:00:03.000Z",
            "UpdatedDate": "2023-09-27T13:00:03.000Z",
            "SourceQid": "989920",
            "InstalledDate": "1970-01-01T00:00:00.000Z"
          },
          ...
        ]
      },
      "provider": null,
      ...
      "processor": null
    },
    ...
  ]
}
```

New Fields contributing TruRisk Score Calculation in V2 and V1 API Responses

With this release, you can see multiple new fields that are added to responses of the public V2 and V1 APIs. The values from the newly added fields contribute to the TruRisk score calculation.

The new values are added to the "missingSoftware", "openPortListData", and "softwareListData" fields.

Public V2 APIs

- [Asset List V2 API](#)
- [Asset Count V2 API](#)
- [Asset by AssetID V2 API](#)

Public V1 APIs

- [Asset Count V1 API](#)
- [Asset Filter V1 API](#)
- [Asset list V1 API](#)
- [Asset by Asset ID V1 API](#)

Asset List V2 API

API affected	/rest/2.0/search/am/asset
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get authorization status, detectionScore, and authorizationDetectionScore details from the Asset List V2 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/rest/2.0/search/am/asset' --header 'Authorization:
Bearer <JWT Token>' --header 'Content-Type: application/xml' --data-raw
'<FilterRequest>'
```

Request Body:

Refer to the following four sample filter requests. You can use one of the required filter requests.

Filter Request Sample 1:

```
<FilterRequest>
  <filters>
    <criteria field="software.authorizationDetectionScore"
operator="EQUALS">
      <value>55</value>
    </criteria>
  </filters>
</FilterRequest>
```

Filter Request Sample 2:

```
<FilterRequest>
  <filters>
    <criteria field="openPorts.detectionScore" operator="EQUALS">
      <value>55</value>
    </criteria>
  </filters>
</FilterRequest>
```

Filter Request Sample 3:

```
<FilterRequest>
  <filters>
    <criteria field="openPorts.authorization" operator="EQUALS">
      <value>Unauthorized</value>
    </criteria>
  </filters>
</FilterRequest>
```

Filter Request Sample 4:

```
<FilterRequest>
  <filters>
    <criteria field="software.lifecycle.detectionScore"
operator="EQUALS">
      <value>8</value>
    </criteria>
  </filters>
</FilterRequest>
```


Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 43476236,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 43476236,
        "assetUUID": "1b36b78c-c736-4c57-9b41-23cbdc8777ef",
        ...
        "openPortListData": {
          "openPort": [
            {
              "port": 443,
              "description": "HyperText Transport Protocol",
              "protocol": "TCP",
              "detectedService": "http",
              "firstFound": "2023-09-22T11:01:56.000Z",
              "lastUpdated": "2023-09-25T10:15:55.000Z",
              "authorization": "Unauthorized",
              "detectionScore": 80
            },
            ...
          ]
        },
        ...
      ]
    },
    ...
    "softwareListData": {
      "software": [
        {
          "id": -6000350127200316183,
          "fullName": "Google Chrome 109.0.5414.120 Stable
Channel",
          ...
          "lifecycle": {
            "gaDate": "2023-01-10T00:00:00.000Z",
            "eolDate": "2023-02-01T00:00:00.000Z",
            "eosDate": "2023-02-01T00:00:00.000Z",
            "stage": "EOL/EOS",
            "lifeCycleConfidence": "Exact",
            "eolSupportStage": " ",
            "eosSupportStage": " ",
            "detectionScore": 8
          },
          },
          "supportStageDesc": null,
          "license": {
```

```
        "category": "Commercial",
        "subcategory": "Free"
    },
    "authorization": "Unauthorized",
    "discoveredPublisher": "Google LLC",
    "discoveredName": "Google Chrome",
    "discoveredVersion": "109.0.5414.120",
    "authorizationDetectionScore": 55
},
...
]
},
...
"domain": null,
"subdomain": null,
"missingSoftware": [
    {
        "name": "Adobe Fuse",
        "category1": "Digital Content",
        "category2": "Graphic and Image",
        "publisher": "Adobe",
        "product": "Fuse",
        "rule": "Software Rule for Demo Purpose",
        "criteria": [
            {
                "criteria": "ANY Version ",
                "release": [
                    "ANY"
                ]
            }
        ],
        "detectionScore": 55
    },
    ...
],
"whois": null,
...
}
]
}
}
```

Asset Count V2 API

API affected	/rest/2.0/count/am/asset
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get asset count based on filter used from the Asset Count V2 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/rest/2.0/count/am/asset' --header 'Authorization:
Bearer <JWT Token>' --header 'Content-Type: application/xml' --data-raw
'<FilterRequest>'
```

Request Body:

Refer to the following four sample filter requests. You can use one of the required filter requests.

Filter Request Sample 1:

```
<FilterRequest>
  <filters>
    <criteria field="software.authorizationDetectionScore"
operator="EQUALS">
      <value>55</value>
    </criteria>
  </filters>
</FilterRequest>
```

Filter Request Sample 2:

```
<FilterRequest>
  <filters>
    <criteria field="openPorts.detectionScore" operator="EQUALS">
      <value>55</value>
    </criteria>
  </filters>
</FilterRequest>
```

Filter Request Sample 3:

```
<FilterRequest>
  <filters>
    <criteria field="openPorts.authorization" operator="EQUALS">
      <value>Unauthorized</value>
    </criteria>
```

```
</filters>  
</FilterRequest>
```

Filter Request Sample 4:

```
<FilterRequest>  
  <filters>  
    <criteria field="software.lifecycle.detectionScore"  
operator="EQUALS">  
      <value>8</value>  
    </criteria>  
  </filters>  
</FilterRequest>
```

Response:

```
{  
  "count": 6,  
  "responseCode": "SUCCESS",  
  "responseMessage": "Valid API Access"  
}
```

Asset by AssetID V2 API

API affected	/rest/2.0/search/am/asset
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get authorization status, detectionScore, and authorizationDetectionScore details from the Asset by AssetID V2 API

API Request:

```
curl --location --request POST  
'<qualys_base_url>/rest/2.0/search/am/asset?assetId=43476236&pageSize=1'  
--header 'Authorization: Bearer <JWT Token>' --header 'Content-Type:  
application/xml' --data-raw ''
```

Response:

```
{  
  "responseMessage": "Valid API Access",  
  "count": 1,  
  "responseCode": "SUCCESS",  
  "lastSeenAssetId": 43476236,  
  "hasMore": 0,  
  "assetListData": {
```

```
"asset": [
  {
    "assetId": 43476236,
    "assetUUID": "1b36b78c-c736-4c57-9b41-23cbdc8777ef",
    ...
    "openPortListData": {
      "openPort": [
        {
          "port": 443,
          "description": "HyperText Transport Protocol",
          "protocol": "TCP",
          "detectedService": "http",
          "firstFound": "2023-09-22T11:01:56.000Z",
          "lastUpdated": "2023-09-25T10:15:55.000Z",
          "authorization": "Unauthorized",
          "detectionScore": 80
        },
        ...
      ]
    },
    ...
    "softwareListData": {
      "software": [
        {
          "id": -6000350127200316183,
          "fullName": "Google Chrome 109.0.5414.120 Stable
Channel",
          ...
          "lifecycle": {
            "gaDate": "2023-01-10T00:00:00.000Z",
            "eolDate": "2023-02-01T00:00:00.000Z",
            "eosDate": "2023-02-01T00:00:00.000Z",
            "stage": "EOL/EOS",
            "lifeCycleConfidence": "Exact",
            "eolSupportStage": " ",
            "eosSupportStage": " ",
            "detectionScore": 8
          },
          "supportStageDesc": null,
          "license": {
            "category": "Commercial",
            "subcategory": "Free"
          },
          "authorization": "Unauthorized",
          "discoveredPublisher": "Google LLC",
          "discoveredName": "Google Chrome",
          "discoveredVersion": "109.0.5414.120",
          "authorizationDetectionScore": 55
        },
        ...
      ]
    },
    ...
  },
  ...
]
```

```
        ...
      ]
    },
    ...
    "domain": null,
    "subdomain": null,
    "missingSoftware": [
      {
        "name": "Adobe Fuse",
        "category1": "Digital Content",
        "category2": "Graphic and Image",
        "publisher": "Adobe",
        "product": "Fuse",
        "rule": "Software Rule for Demo Purpose",
        "criteria": [
          {
            "criteria": "ANY Version ",
            "release": [
              "ANY"
            ]
          }
        ],
        "detectionScore": 55
      },
      ...
    ],
    "whois": null,
    ...
  }
]
}
```

Asset Count V1 API

API affected	/am/v1/assets/host/count
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get asset count based on the filter used from Asset Count V1 API

API Request:

```
curl --location --request POST
'<qualus_base_url>/am/v1/assets/host/count?filter=software:(lifecycle.detectionScore:8)' --header 'Authorization: Bearer <JWT Token>'
```

Note: Apart from the filter used in the API request, you can use the following filters:

- filter=openPorts:(detectionScore:80)
- filter=software:(authorizationDetectionScore:55)
- filter=openPorts:(authorization:Unauthorized)

Response:

```
{
  "count": 6,
  "responseCode": "SUCCESS",
  "responseMessage": "Valid API Access"
}
```

Asset Filter V1 API

API affected	/am/v1/assets/host/filter/list
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get authorization status, detectionScore, and authorizationDetectionScore details from the Asset Filter V1 API

API Request:

```
curl --location --request POST
'<qualus_base_url>/am/v1/assets/host/filter/list?filter=openPorts:(detectionScore:80)' --header 'Authorization: Bearer <JWT Token>'
```

Note: Apart from the filter used in the API request, you can use the following filters:

- filter=software:(lifecycle.detectionScore:8)
- filter=software:(authorizationDetectionScore:55)
- filter=openPorts:(authorization:Unauthorized)

Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
}
```

```
"lastSeenAssetId": 43476236,  
"hasMore": 0,  
"assetListData": {  
  "asset": [  
    {  
      "assetId": 43476236,  
      "assetUUID": "1b36b78c-c736-4c57-9b41-23cbdc8777ef",  
      ...  
      "openPortListData": {  
        "openPort": [  
          {  
            "port": 443,  
            "description": "HyperText Transport Protocol",  
            "protocol": "TCP",  
            "detectedService": "http",  
            "firstFound": "2023-09-22T11:01:56.000Z",  
            "lastUpdated": "2023-09-25T10:15:55.000Z",  
            "authorization": "Unauthorized",  
            "detectionScore": 80  
          },  
          ...  
        ]  
      },  
      ...  
    ]  
  },  
  ...  
  "softwareListData": {  
    "software": [  
      {  
        "id": -6000350127200316183,  
        "fullName": "Google Chrome 109.0.5414.120 Stable  
Channel",  
        ...  
        "lifecycle": {  
          "gaDate": "2023-01-10T00:00:00.000Z",  
          "eolDate": "2023-02-01T00:00:00.000Z",  
          "eosDate": "2023-02-01T00:00:00.000Z",  
          "stage": "EOL/EOS",  
          "lifeCycleConfidence": "Exact",  
          "eolSupportStage": " ",  
          "eosSupportStage": " ",  
          "detectionScore": 8  
        },  
        "supportStageDesc": null,  
        "license": {  
          "category": "Commercial",  
          "subcategory": "Free"  
        },  
        "authorization": "Unauthorized",  
        "discoveredPublisher": "Google LLC",  
        "discoveredName": "Google Chrome",
```



```
        "discoveredVersion": "109.0.5414.120",
        "authorizationDetectionScore": 55
    },
    ...
]
},
...
"domain": null,
"subdomain": null,
"missingSoftware": [
    {
        "name": "Adobe Fuse",
        "category1": "Digital Content",
        "category2": "Graphic and Image",
        "publisher": "Adobe",
        "product": "Fuse",
        "rule": "Software Rule for Demo Purpose",
        "criteria": [
            {
                "criteria": "ANY Version ",
                "release": [
                    "ANY"
                ]
            }
        ],
        "detectionScore": 55
    },
    ...
],
"whois": null,
...
}
]
}
```

Asset list V1 API

API affected	/am/v1/assets/host/list
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get authorization status, detectionScore, and authorizationDetectionScore details from the Asset List V1 API

API Request:

```
curl --location --request POST
'<qualys_base_url>/am/v1/assets/host/list?pageSize=1' --header
'Authorization: Bearer <JWT Token>'
```

API Response:

```
{
  "responseMessage": "Valid API Access",
  "count": 1,
  "responseCode": "SUCCESS",
  "lastSeenAssetId": 43476236,
  "hasMore": 0,
  "assetListData": {
    "asset": [
      {
        "assetId": 43476236,
        "assetUUID": "1b36b78c-c736-4c57-9b41-23cbdc8777ef",
        ...
        "openPortListData": {
          "openPort": [
            {
              "port": 443,
              "description": "HyperText Transport Protocol",
              "protocol": "TCP",
              "detectedService": "http",
              "firstFound": "2023-09-22T11:01:56.000Z",
              "lastUpdated": "2023-09-25T10:15:55.000Z",
              "authorization": "Unauthorized",
              "detectionScore": 80
            },
            ...
          ]
        },
        ...
      ]
    },
    ...
  },
  "softwareListData": {
    "software": [
```

```
Channel",
    {
      "id": -6000350127200316183,
      "fullName": "Google Chrome 109.0.5414.120 Stable
    ...
    "lifecycle": {
      "gaDate": "2023-01-10T00:00:00.000Z",
      "eolDate": "2023-02-01T00:00:00.000Z",
      "eosDate": "2023-02-01T00:00:00.000Z",
      "stage": "EOL/EOS",
      "lifeCycleConfidence": "Exact",
      "eolSupportStage": " ",
      "eosSupportStage": " ",
      "detectionScore": 28
    },
    "supportStageDesc": null,
    "license": {
      "category": "Commercial",
      "subcategory": "Free"
    },
    "authorization": "Unauthorized",
    "discoveredPublisher": "Google LLC",
    "discoveredName": "Google Chrome",
    "discoveredVersion": "109.0.5414.120",
    "authorizationDetectionScore": 55
  },
  ...
]
},
...
"domain": null,
"subdomain": null,
"missingSoftware": [
  {
    "name": "Adobe Fuse",
    "category1": "Digital Content",
    "category2": "Graphic and Image",
    "publisher": "Adobe",
    "product": "Fuse",
    "rule": "Software Rule for Demo Purpose",
    "criteria": [
      {
        "criteria": "ANY Version ",
        "release": [
          "ANY"
        ]
      }
    ]
  }
],
"detectionScore": 55
```

```
        },  
        ...  
    ],  
    "whois": null,  
    ...  
  }  
]  
}
```

Asset by Asset ID V1 API

API affected	/am/v1/asset/host/id
New or Updated APIs	Updated
Operator	POST
DTD or XSD changes	Not applicable

Sample: Get authorization status, detectionScore, and authorizationDetectionScore details from the Asset by Asset ID V1 API

API Request:

```
curl --location --request POST  
'<qualus_base_url>/am/v1/asset/host/id?assetId=28975144' --header  
'Authorization: Bearer <JWT Token>'
```

API Response:

```
{  
  "responseMessage": "Valid API Access",  
  "count": 1,  
  "responseCode": "SUCCESS",  
  "lastSeenAssetId": 43476236,  
  "hasMore": 0,  
  "assetListData": {  
    "asset": [  
      {  
        "assetId": 43476236,  
        "assetUUID": "1b36b78c-c736-4c57-9b41-23cbdc8777ef",  
        ...  
        "openPortListData": {  
          "openPort": [  
            {  
              "port": 443,  
              "description": "HyperText Transport Protocol",  
              "protocol": "TCP",
```

```
        "detectedService": "http",
        "firstFound": "2023-09-22T11:01:56.000Z",
        "lastUpdated": "2023-09-25T10:15:55.000Z",
        "authorization": "Unauthorized",
        "detectionScore": 80
    },
    ...
]
},
...
"softwareListData": {
    "software": [
        {
            "id": -6000350127200316183,
            "fullName": "Google Chrome 109.0.5414.120 Stable
Channel",
            ...
            "lifecycle": {
                "gaDate": "2023-01-10T00:00:00.000Z",
                "eolDate": "2023-02-01T00:00:00.000Z",
                "eosDate": "2023-02-01T00:00:00.000Z",
                "stage": "EOL/EOS",
                "lifeCycleConfidence": "Exact",
                "eolSupportStage": " ",
                "eosSupportStage": " ",
                "detectionScore": 28
            },
            "supportStageDesc": null,
            "license": {
                "category": "Commercial",
                "subcategory": "Free"
            },
            "authorization": "Unauthorized",
            "discoveredPublisher": "Google LLC",
            "discoveredName": "Google Chrome",
            "discoveredVersion": "109.0.5414.120",
            "authorizationDetectionScore": 55
        },
        ...
    ]
},
...
"domain": null,
"subdomain": null,
"missingSoftware": [
    {
        "name": "Adobe Fuse",
        "category1": "Digital Content",
        "category2": "Graphic and Image",
```

```
        "publisher": "Adobe",
        "product": "Fuse",
        "rule": "Software Rule for Demo Purpose",
        "criteria": [
            {
                "criteria": "ANY Version ",
                "release": [
                    "ANY"
                ]
            }
        ],
        "detectionScore": 55
    },
    ...
],
"whois": null,
...
}
]
}
```