



File Integrity Monitoring API v2 and v3

API Release Notes

Version 2.5

December 3, 2020

What's New

[Search Assets](#)

[Count the Assets](#)

Search Assets

API affected	/fim/v3/assets/search
New or Updated API	New API
DTD or XSD changes	No

This API helps you search asset based on a criteria.

Response Code

- 200: Successful
- 400: Bad Request
- 500: Internal Server error

Parameters

The following table shows parameters used:

Parameter	Description
Authorization (String)	(Required) Authorization token to authenticate to the Qualys Cloud Platform. Prepend token with "Bearer" and one space. For example - Bearer authToken
attributes (String)	(Optional) The list of comma-separated attributes that you want to include in the response. By default, all attributes will be returned in the result.
filter (String)	(Optional) Filter the Assets by providing a query using Qualys syntax. Refer to the "How to Search" topic in the Online Help for assistance with creating your query. For example - operatingSystem:'Microsoft Windows 10'
pageNumber	(Optional) The page number to be returned. The number starts from zero.
pageSize	(Optional) The number of records per page to be included in the response. Default is 10.
includeTagData	(Optional) Set the flag to "true" if you want the tags related information in the response. Else, set it to false.
searchAfter	(Optional) This parameter is required to fetch more than 10,000 rows.
notSentEventsForHours	(Optional) List those assets that have not sent any events in last "<enter value>" hours. This integer input e.g 10.
sort (String)	(Optional) Sort the results using Asset rule attributes.

Sample

API request:

```
curl -X POST https://gateway.qg1.apps.qualys.com/fim/v3/assets/search -H
'authorization: Bearer <token>' -H 'content-type: application/json' -d
@request.json
```

Contents of request.json:

```
{
  "attributes": "customerUuid,name,manifest,operatingSystem",
  "filter": "interfaces.address:10.112.113.114",
  "pageNumber": 0,
  "pageSize": 2
  "includeTagData":true,
}
```

Response:

```
[
  {
    "sortValues": [],
    "data": {
      "interfaces": [
        {
          "hostname": "WIN-FMEI8HBTFBQ",
          "macAddress": "00:50:56:AA:0E:F7",
          "address": "10.115.110.43",
          "interfaceName": "Intel(R) 82574L Gigabit Network Connection"
        }
      ],
      "lastCheckedIn": 1603954630000,
      "manifest": {
        "id": "857016x0-xx3x-4x39-80x1-67x85x358x03",
        "updatedAt": 1603878321548,
        "status": "FIM_MANIFEST_ASSIGNED"
      },
      "created": 1602834506184,
      "profiles": [
        {
          "createdBy": {
            "date": 1603877617167,
            "user": {
              "name": "John D",
              "id": "xx390990-xx37-x1x5-82xx-1x112xxx897"
            }
          }
        }
      ]
    }
  },
]
```

```
"name": "Cloned Profile demo",
"customerId": "269773x8-x767-x0xx-802x-6x735x0xx32x",
"id": "xx3221xx-x0xx-422x-9184-x35xxx531xx1",
"type": "WINDOWS",
"category": {
  "name": "PCI",
  "id": "2xxx5022-2xxx-11x7-93xx-92361x002671"
},
"version": "1.0",
"status": "DEACTIVATED"
},
{
  "osVersions": [],
  "createdBy": {
    "date": 1588135956893,
    "user": {
      "name": "John D",
      "id": "xx390990-xx37-x1x5-82xx-1x11x2xxx897"
    }
  },
  "name": "FIM 25 tag based from CAUI",
  "customerId": "269773x8-e767-x0xx-802x-6x735x0xx32x",
  "id": "x748xx72-xxx1-4015-xx00-9524x0x463x5",
  "type": "WINDOWS",
  "category": {
    "name": "PCI",
    "id": "2xxx5022-2xxx-11x7-93xx-92361x002671"
  },
  "version": "1.0",
  "status": "ACTIVATED"
},
{
  "osVersions": [],
  "createdBy": {
    "date": 1598624329303,
    "user": {
      "name": "John D",
      "id": "xx390990-xx37-x1x5-82xx-1f11x2xxx897"
    }
  },
  "name": "25 106 62 asset based",
  "customerId": "269773x8-x767-x0xx-802x-6x735x0xx32x",
  "id": "x91xxx94-8563-4530-8x25-453x88xx53xx",
  "type": "WINDOWS",
  "category": {
    "name": "PCI",
    "id": "2xxx5022-2xxx-11x7-93xx-92361x002671"
  },
  "version": "1.0",
```

```
        "status": "DEACTIVATED"
      },
      {
        "osVersions": [],
        "createdBy": {
          "date": 1598623903641,
          "user": {
            "name": "John D",
            "id": "xx390990-xx37-x1x5-82xx-1x11x2xxx897"
          }
        },
        "name": "FIM 25 110 43",
        "customerId": "269773x8-x767-x0fx-802x-6x735x0xx32x",
        "id": "x9603xxx-9x7x-4x85-x522-1xxx70x58x30",
        "type": "WINDOWS",
        "category": {
          "name": "PCI",
          "id": "2xxx5022-2xxx-11x7-93xx-92361f002671"
        },
        "version": "1.0",
        "status": "ACTIVATED"
      }
    ],
    "agentService": null,
    "hostId": 0,
    "operatingSystem": "Microsoft Windows Server 2016 Standard
10.0.14393 64-bit N/A Build 14393",
    "lastLoggedonUser": ".\\Administrator",
    "tags": [
      "xx9757xx-98xx-4761-9xx8-580xx2x8xx32",
      "x674613x-x694-4x05-8x74-20x5973x2xx3",
      "x10x8296-xxx5-4x73-xxx6-x34xxx510786"
    ],
    "customerUuid": "269773x8-x767-x0xx-802x-6x735x0xx32x",
    "system": {
      "lastBoot": 1603954630000
    },
    "ec2": null,
    "assetId": 15948111,
    "netbiosName": "WIN-FMEI8HBTFBQ",
    "customerId": 760183,
    "name": "WIN-FMEI8HBTFBQ",
    "agentVersion": "4.1.0.58",
    "id": "144x78xx-3x28-42xx-855x-5x53x92408xx",
    "agentUuid": "144x78xx-3x28-42xx-855x-5x53x92408xx",
    "activationDate": 1602834506184
  }
}
]
```

Count the Assets

API affected	/fim/v3/assets/count
New or Updated API	New
DTD or XSD changes	No

This API helps you count the assets based on a criteria.

Response Code

- 200: Successful
- 400: Bad Request
- 500: Internal Server error

Parameters

The following table shows parameters used:

Parameter	Description
Authorization (String)	(Required) Authorization token to authenticate to the Qualys Cloud Platform. Prepend token with "Bearer" and one space. For example - Bearer authToken
filter (String)	(Optional) Filter the Assets by providing a query using Qualys syntax. Refer to the "How to Search" topic in the Online Help for assistance with creating your query. For example - operatingSystem:'Microsoft Windows 10'
groupBy (String)	(Optional) Group results based on certain parameters (provide comma separated list). For example - operatingSystem
interval (String)	(Optional) GroupBy interval for date fields. Valid values are y(year), q(quarter), M(month), w(week), d(day), h(hour), m(minute), s(second). For example - 1d An interval lower than a second is not supported. Note: Value for each interval period should be 1. For example, you can specify an interval of 1y, 1M, 1w, and so on, but not 2y, 3M, etc.
limit (String)	(Optional) Limit the number of rows fetched by the groupBy function.
sort (String)	(Optional) Sort the results using a Qualys token. For example - [{"operatingSystem": "\asc\"}]

Sample

API request:

```
curl -X POST https://gateway.qg1.apps.qualys.com/fim/v3/assets/count -H  
'authorization: Bearer <token>' -H 'content-type: application/json' -d  
@request.json
```

Contents of request.json:

```
{  
  "filter": "interfaces.address:10.112.113.114",  
  "limit": 5,  
  "groupBy" : ["manifest.status"]  
}
```

Response:

```
{  
  "FIM_MANIFEST_PUBLISHED": 20010,  
  "FIM_ACTIVATION_REQUEST_RECEIVED": 10027  
}
```