



# **Out-of-Band Configuration Assessment API v2**

User Guide  
Version 1.4

September 21, 2020

Copyright 2019-2020 by Qualys, Inc. All Rights Reserved.

Qualys and the Qualys logo are registered trademarks of Qualys, Inc. All other trademarks are the property of their respective owners.

Qualys, Inc.  
919 E Hillsdale Blvd  
4th Floor  
Foster City, CA 94404  
1 (650) 801 6100



# Table of Contents

<b>Preface</b> .....	<b>4</b>
About Qualys .....	4
Contact Qualys Support.....	4
<b>Chapter 1 - Welcome</b> .....	<b>5</b>
Qualys API Framework .....	5
Qualys API URL .....	6
API Conventions .....	7
<b>Chapter 2 - Version 2 APIs</b> .....	<b>8</b>
Fetch Authentication Token .....	9
Fetch List of Supported Technologies .....	11
Provision an Asset .....	16
Fetch Asset Status using UUID .....	18
Fetch Supported Commands for a Technology.....	19
Fetch Supported Commands based on Asset UUID .....	20
Upload Command Output for a UUID.....	21
Delete an Asset using UUID .....	23
Provision Assets in Bulk.....	24
Delete Assets in Bulk.....	26
Re-Provision Asset .....	28
Re-Provision Assets in Bulk .....	30
Get status of assets provisioned within given timeframe .....	32

# Preface

This guide is intended for application developers who will use the Qualys Out-of-band Configuration Assessment API.

## About Qualys

Qualys, Inc. (NASDAQ: QLYS) is a pioneer and leading provider of cloud-based security and compliance solutions. The Qualys Cloud Platform and its integrated apps help businesses simplify security operations and lower the cost of compliance by delivering critical security intelligence on demand and automating the full spectrum of auditing, compliance and protection for IT systems and web applications.

Founded in 1999, Qualys has established strategic partnerships with leading managed service providers and consulting organizations including Accenture, BT, Cognizant Technology Solutions, Deutsche Telekom, Fujitsu, HCL, HP Enterprise, IBM, Infosys, NTT, Optiv, SecureWorks, Tata Communications, Verizon and Wipro. The company is also a founding member of the [Cloud Security Alliance \(CSA\)](#). For more information, please visit [www.qualys.com](http://www.qualys.com).

## Contact Qualys Support

Qualys is committed to providing you with the most thorough support. Through online documentation, telephone help, and direct email support, Qualys ensures that your questions will be answered in the fastest time possible. We support you 7 days a week, 24 hours a day. Access support information at [www.qualys.com/support/](http://www.qualys.com/support/).

# Chapter 1 - Welcome

Welcome to Out-of-band Configuration Assessment API guide.

## Get Started

[Qualys API Framework](#) - Learn the basics about making API requests. The base URL depends on the platform where your Qualys account is located.

[API Conventions](#) - Get tips on using the Curl command-line tool to make API requests.

## Get API Notifications

Subscribe to our API Notifications RSS Feeds for announcements and latest news.

### From our Community

[Join our Community](#)

[API Notifications RSS Feeds](#)

## Qualys API Framework

The Qualys Out-of-band Configuration Assessment API uses the following framework.

### Request URL

The URL for making API requests respects the following structure:

`https://<baseurl>/<module>/<object>/<object_id>/<operation>`

where the components are described below.

<code>&lt;baseurl&gt;</code>	The Qualys API gateway URL that you should use for API requests depends on the platform where your account is located. The gateway URL for Qualys US Platform 1 is: <code>https://gateway.qg1.apps.qualys.com</code>
<code>&lt;module&gt;</code>	The API module. For the OCA API, the module is: "oca".
<code>&lt;object&gt;</code>	The module specific object.
<code>&lt;object_id&gt;</code>	(Optional) The module specific object ID, if appropriate.
<code>&lt;operation&gt;</code>	The request operation, such as provisioning an asset.

## Qualys API 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 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 Conventions

### Using Curl

**Curl** is a multi-platform command-line tool used to transfer data using multiple protocols. This tool is supported on many systems, including Windows, Unix, Linux and Mac. In this document Curl is used in the examples to build Qualys API requests using the HTTP over SSL (https) protocol, which is required.

Want to learn more? Visit <https://curl.haxx.se/>

The following Curl options are used according to different situations:

Option	Description
-X GET/POST/DELETE	The GET, POST, DELETE method are used as per requirement.
-H 'Authorization: Bearer <token>'	This option is used to provide a custom HTTP request header parameter for authentication. Provides the JSON Web Token (JWT) received from Qualys authentication API in the following format: Authorization: Bearer <token>
-H 'content-type: application/json'	Denotes that content is in JSON format.
-H 'Content-Type: text/plain'	Denotes that content is in text or plain format.
-d @request.json	Provide a request.json file for parameter input.
--data-urlencode	Used to encode spaces and special characters in the URL/Parameter values.

The sample below shows a typical Curl request using options mentioned above and how they interact with each other.

```
curl -X GET 'http://<api_gateway_url>/ocaapi/v2.0/technology/PolicyCompliance' -H 'Content-Type: application/json' -H 'Authorization: Bearer <token>'
```

## Chapter 2 - Version 2 APIs

Note: The following APIs use token-based authentication.

[Fetch Authentication Token](#)

### **OCA APIs**

[Fetch List of Supported Technologies](#)

[Provision an Asset](#)

[Fetch Asset Status using UUID](#)

[Fetch Supported Commands for a Technology](#)

[Fetch Supported Commands based on Asset UUID](#)

[Upload Command Output for a UUID](#)

[Delete an Asset using UUID](#)

[Provision Assets in Bulk](#)

[Delete Assets in Bulk](#)

[Re-Provision Asset](#)

[Re-Provision Assets in Bulk](#)

[Get status of assets provisioned within given timeframe](#)





lQiLCJQQVNTSVZFX1NDQU5ORViiLAJSRVBPUIQgQ0VOVEVSiwiU0NBX0FHRU5UIiw  
iVk0gU0NBTK5FUiiIsIkNTIiwiVEhSRUFUX1BST1RFQ1QiLCJWSVJUVUFMIFNDQU5OR  
VIiLCJWTSIsIkFQSSIsIkNPT1RBSU5FU19TRUAVUk1UWSIsIkVDMiIsIkDMT0JBTF9  
BSV9DTURCX1NZTkMiLCJDTE9VRFZKRVCiLCJDTSJsI1BNIiwiU0NBTiBCWSBIT1NUT  
kFNRSIsIkFTU0VUX01BTkFHRU1FTlQiLCJDT05USU5VT1VTIE1PTk1UT1JJTkciLCJ  
JVEFNiwiUEMiLCJQQ0kiLCJRV0VCX1ZNIiwiU0VNIiwiU0VDVVJFQ09ORk1HI10sI  
mF1dGh1bnRpy2F0aW9uTWV0aG9kIjoiQXV0aEhhbmRsZXIiLCJjdXN0d21lck1kIjo  
xNDazMjIyLCJzZXNzaW9uRXhwaXJhdGlvbiI6IjYwIiwidXN1c1VlaWQiOiI0YzhhM  
mYzNi1hZGN1LTU3NmYtODE1ZC1jNDF1ZjUwOGN1NzAiLCJzdWJzY3JpcHRpb25Vd3l  
kIjoiNmUyZjAwZDQtNGY2NS1jYjU2LTgyYjctNDk2NzlkMGFmMjRhIiwiaXNUZ3RFe  
HBpcmVkiIjoiaHJ1ZSIsInN1YnNjcm1wdGlvbk1kIjoxODYwOTgzLzJleHAiOjE1ODk  
4OTYyMjRsIm1hdCI6MTU4OTg4MTgyMSwianRpijoiVEEdULTTEtenQ5N20wVj1wZW1PS  
k1COENYt0ttamZHSENNelZHdE9icGdOaEzpwGEOUHpaSmpPSm9KSjBKSC1obDRcdXB  
SaHFYRS1xYXMwMSK9.xbJrVhgdXj8A0LkiPMRWNgGiuqtI954ccpNBx1CvZVEcvIFU  
J43kdw81KZIoL8Mm8qrq0f1DjhIDDz83gC1ZWw

## Fetch List of Supported Technologies

/ocaapi/v2.0/technology/PolicyCompliance

[GET]

To get a list of supported technologies.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 404: Not found

### Header Parameters

---

authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.
---------------	---

---

### Sample

#### Request:

```
curl -X GET
'https://<api_gateway_url>/ocaapi/v2.0/technology/PolicyCompliance
' -H 'Content-Type: application/json' -H 'Authorization: Bearer
<token>'
```

#### Response:

```
{
  "code": 200,
  "data": {
    "items": [
      {
        "technology": "ACME Packet OS",
        "createdAt": "2019-01-21T07:06:07.000+0000",
        "updatedAt": "2019-01-21T07:06:07.000+0000",
        "technologyVersion": "ACME Packet OS"
      },
      {
        "technology": "ArubaOS",
        "createdAt": "2019-06-07T08:32:43.000+0000",
        "updatedAt": "2020-06-30T11:15:13.000+0000",
        "technologyVersion": "ArubaOS 6"
      },
      {
        "technology": "ArubaOS",
        "createdAt": "2020-07-30T10:13:03.000+0000",
        "updatedAt": "2020-07-30T10:13:03.000+0000",

```

```
    "technologyVersion": "ArubaOS 8"
  },
  {
    "technology": "Cisco ACS",
    "createdAt": "2019-04-02T15:54:18.000+0000",
    "updatedAt": "2019-04-02T15:54:18.000+0000",
    "technologyVersion": "Cisco ACS 5"
  },
  {
    "technology": "Cisco FTD",
    "createdAt": "2019-09-13T07:01:13.000+0000",
    "updatedAt": "2019-09-13T07:01:13.000+0000",
    "technologyVersion": "Cisco FTD 6"
  },
  {
    "technology": "Cisco UCS Manager",
    "createdAt": "2019-06-07T08:32:43.000+0000",
    "updatedAt": "2019-06-07T08:32:43.000+0000",
    "technologyVersion": "Cisco UCS Manager 2"
  },
  {
    "technology": "Cisco WLC",
    "createdAt": "2019-09-13T07:01:12.000+0000",
    "updatedAt": "2019-09-13T07:01:12.000+0000",
    "technologyVersion": "Cisco WLC 8"
  },
  {
    "technology": "Comware",
    "createdAt": "2019-06-07T08:32:43.000+0000",
    "updatedAt": "2019-06-07T08:32:43.000+0000",
    "technologyVersion": "Comware 5"
  },
  {
    "technology": "Comware",
    "createdAt": "2019-06-07T08:32:43.000+0000",
    "updatedAt": "2019-06-07T08:32:43.000+0000",
    "technologyVersion": "Comware 7"
  },
  {
    "technology": "Data Domain OS",
    "createdAt": "2019-01-21T07:06:07.000+0000",
    "updatedAt": "2019-01-21T07:06:07.000+0000",
    "technologyVersion": "Data Domain OS 5"
  },
  {
```

```
    "technology": "Brocade Fabric",
    "createdAt": "2019-01-21T07:06:07.000+0000",
    "updatedAt": "2019-06-26T12:11:08.000+0000",
    "technologyVersion": "Fabric 7"
  },
  {
    "technology": "Brocade Fabric",
    "createdAt": "2019-01-21T07:06:07.000+0000",
    "updatedAt": "2019-06-26T12:11:08.000+0000",
    "technologyVersion": "Fabric 8"
  },
  {
    "technology": "FireEye CMS",
    "createdAt": "2019-01-21T07:06:07.000+0000",
    "updatedAt": "2020-08-27T10:15:52.000+0000",
    "technologyVersion": "FireEye CMS 7"
  },
  {
    "technology": "FireEye CMS",
    "createdAt": "2019-01-21T07:06:07.000+0000",
    "updatedAt": "2020-08-27T10:15:51.000+0000",
    "technologyVersion": "FireEye CMS 8"
  },
  {
    "technology": "HP Printers",
    "createdAt": "2020-05-08T05:22:10.000+0000",
    "updatedAt": "2020-05-08T05:22:10.000+0000",
    "technologyVersion": "HP Printers"
  },
  {
    "technology": "HP Safeguard",
    "createdAt": "2019-04-02T15:54:19.000+0000",
    "updatedAt": "2019-04-02T15:54:19.000+0000",
    "technologyVersion": "HP Safeguard"
  },
  {
    "technology": "HPE 3Par OS",
    "createdAt": "2019-06-07T08:32:43.000+0000",
    "updatedAt": "2019-06-20T01:15:52.000+0000",
    "technologyVersion": "HPE 3Par OS 3"
  },
  {
    "technology": "IBM z/OS",
    "createdAt": "2020-06-30T11:15:13.000+0000",
    "updatedAt": "2020-06-30T11:15:13.000+0000",
```

```
2"      "technologyVersion": "IBM z/OS Security Server RACF
      },
      {
        "technology": "Imperva WebApplication Firewall",
        "createdAt": "2019-01-21T07:06:07.000+0000",
        "updatedAt": "2019-01-21T07:06:07.000+0000",
        "technologyVersion": "Imperva WebApplication
Firewall"
      },
      {
        "technology": "Juniper IVE",
        "createdAt": "2019-01-21T07:06:07.000+0000",
        "updatedAt": "2019-01-21T07:06:07.000+0000",
        "technologyVersion": "Juniper IVE 8"
      },
      {
        "technology": "Riverbed SteelHead",
        "createdAt": "2020-06-30T11:15:13.000+0000",
        "updatedAt": "2020-06-30T11:15:13.000+0000",
        "technologyVersion": "Riverbed SteelHead
Interceptor 7"
      },
      {
        "technology": "Riverbed SteelHead",
        "createdAt": "2019-12-12T06:33:06.000+0000",
        "updatedAt": "2019-12-12T06:33:06.000+0000",
        "technologyVersion": "Riverbed SteelHead RiOS 9"
      },
      {
        "technology": "Samsung Printers",
        "createdAt": "2020-05-08T05:22:10.000+0000",
        "updatedAt": "2020-05-08T05:22:10.000+0000",
        "technologyVersion": "Samsung Printers"
      },
      {
        "technology": "Symantec ProxySG",
        "createdAt": "2019-06-07T08:32:43.000+0000",
        "updatedAt": "2019-06-07T08:32:43.000+0000",
        "technologyVersion": "Symantec SGOS 6"
      },
      {
        "technology": "Zebra Printers",
        "createdAt": "2020-05-08T05:22:10.000+0000",
        "updatedAt": "2020-05-08T05:22:10.000+0000",
        "technologyVersion": "Zebra Printers"
      }
    ]
  }
}
```

```
}  
  ]  
}
```

## Provision an Asset

`/ocaapi/v2.0/asset`

[POST]

To add an asset.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found
- 429: Too Many Requests

### Input Parameters

dnsName	(Optional) Enter the domain name.
hostIP	(Required) Enter the host IP for the asset to be provisioned.
mac	(Optional) Enter mac address for the asset.
modelName	Enter the model name of the asset to be provisioned. This parameter input is not required if assetFlowType is set DEFAULT.
netbios	(Optional) Enter the netbios of the asset to be provisioned.
serialNumber	Enter the serial number of the asset to be provisioned. This parameter input is not required if assetFlowType is set DEFAULT.
technology	(Required) Technology name of the asset.
type	(Required) Manifest type of asset. Allowed values: PolicyCompliance
uuid	(Optional) The UUID of asset to be re-provisioned. This is required only during re-provisioning.

### Header Parameters

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API

### Sample

Sample Request body:



```
{
  "dnsName": "string",
  "hostIP": "string",
  "mac": "string",
  "modelName": "string",
  "netbios": "string",
  "serialNumber": "string",
  "technology": "string",
  "type": "string",
  "uuid": "string"
}
```

#### API Request:

```
curl -X POST 'https://<api_gateway_url>/ocaapi/v2.0/asset' -H
'assetFlowType: DEFAULT' -H 'Content-Type: application/json' -H
'Authorization: Bearer <token>' -H 'Content-Type: text/plain' -d
@request.json
```

#### Response:

```
{
  "code": 200,
  "data": {
    "assetUUID": "663a040b-c9c7-4bee-b4a3-f4f8bf61b8a5"
  },
  "message": "Request for Asset Provisioning sent Successfully."
}
```

## Fetch Asset Status using UUID

`/ocaapi/v2.0/asset/<asset_uuid>/status`

[GET]

Get the current provision status of an asset using UUID.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

---

asset_uuid	(Required) Provide the UUID of the asset.
------------	---

---

### Header Parameter

---

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

---

### Sample

Response:

```
curl -X GET
'https://<api_gateway_url>/ocaapi/v2.0/asset/<asset_uuid>/status'
-H 'assetFlowType: DEFAULT' -H 'Authorization: Bearer <token>'
```

Response when the provision is successful:

```
{
  "code": 200,
  "data": {
    "status": "Provision Confirmed"
  }
}
```

Response when the provision is not successful:

```
{
  "code": 200,
  "data": {
    "status": "Provision Requested"
  }
}
```

## Fetch Supported Commands for a Technology

/ocaapi/v2.0/technology/<technology\_name>/command/PolicyCompliance

[GET]

Get the commands for the specified technology.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

---

technology_name	(Required) The name of the technology for which the supported commands are to be fetched. Note: If you want to fetch supported commands for <b>IBM z/OS Security Server RACF 2</b> technology, use <b>IBM zOS Security Server RACF 2</b> in the API request (without the "/" special character).
-----------------	---

---

### Header Parameters

---

authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.
---------------	---

---

### Sample

#### Request:

```
curl -X GET  
'https://<api_gateway_url>/ocaapi/v2.0/technology/<technology_name>  
>/command/PolicyCompliance' -H 'Authorization: Bearer <token>'
```

#### Response:

```
{  
  "code": 200,  
  "data": {  
    "items": [  
      "show running-config"  
    ]  
  }  
}
```

## Fetch Supported Commands based on Asset UUID

/ocaapi/v2.0/asset/<asset\_uuid>/command/PolicyCompliance

[GET]

Get supported commands for a technology using asset UUID.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

---

asset_uuid	(Required) Provide the UUID of the asset.
------------	---

---

### Header Parameters

---

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

---

### Sample

Request:

```
curl -X GET
'https://<api_gateway_url>/ocaapi/v2.0/asset/<asset_uuid>/command/
PolicyCompliance' -H 'assetFlowType: DEFAULT' -H 'Authorization:
Bearer <token>'
```

Response:

```
{
  "code": 200,
  "data": {
    "items": [
      "show running-config"
    ]
  }
}
```

## Upload Command Output for a UUID

/ocaapi/v2.0/asset/<asset\_uuid>/command/output/PolicyCompliance

[POST]

Upload the supported command output to Qualys platform for an asset using UUID. These commands are uploaded in form of text file or string.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

command	(Required) The command output for commands generated using the <a href="#">Fetch Supported Commands for a Technology API</a> .
asset_uuid	(Required) Provide the UUID of the asset.

### Header Parameters

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token API</a> .

### Sample

Request for uploading data through file:

```
curl -X POST
'https://<api_gateway_url>/ocaapi/v2.0/asset/<asset_uuid>/command/
output/PolicyCompliance' -H 'assetFlowType: DEFAULT' -H
'Authorization: Bearer <token>' -F 'show running-
config=@file_path'
```

Request for uploading the data directly:

```
curl -X POST 'https:// <api_gateway_url>/ocaapi/v2.0/asset/<
asset_uuid >/command/output/PolicyCompliance -H 'assetFlowType:
DEFAULT' -H 'Authorization: Bearer <token> -F 'show running-
config=
version 6.5
enable secret "*****"
enable bypass
hostname "Aruba001"
```

```
clock timezone GMT 0  
banner motd ^  
,
```

Response:

```
{  
  "code": 200,  
  "message": "Command Output Uploaded Successfully."  
}
```

## Delete an Asset using UUID

`/ocaapi/v2.0/asset/<asset_uuid>`

[DELETE]

To delete an asset using UUID.

Note: When you delete an asset, all the configuration data and reports related to the asset are also deleted.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found
- 503: Service Unavailable

### Input Parameters

---

asset_uuid	(Required) Provide the UUID of the asset.
------------	---

---

### Header Parameters

---

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

---

### Sample

#### Request:

```
curl -X DELETE
'https://<api_gateway_url>/ocaapi/v2.0/asset/<asset_uuid>' -H
'assetFlowType: DEFAULT' -H 'Authorization: Bearer <token>'
```

#### Response:

```
{
  "code": 200,
  "data": {
    "assetUUID": "663a040b-c9c7-4bee-b4a3-f4f8bf61b8a5"
  },
  "message": "Asset(s) Revoked Successfully."
}
```

## Provision Assets in Bulk

`/ocaapi/v2.0/asset/bulk`

[POST]

To provision more than one asset.

Note: Using this API, you can provision up to 1000 assets.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

<code>data</code>	(Required) File containing the entries of asset to be provisioned. Accepted Files: .csv and .txt. Example: <code>bulk_provision.csv</code> or <code>bulk_provision.txt</code>
<code>manifest_types</code>	(Required) Manifest type of asset. Allowed values: <code>PolicyCompliance</code>

### Header Parameters

<code>assetFlowType</code>	Provide asset flow type. The default value is "DEFAULT".
<code>authorization</code>	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

### Sample

Request:

```
curl -X POST
'https://<api_gateway_url>/ocaapi/v2.0/asset/bulk?manifest_types=PolicyCompliance' -H 'assetFlowType: DEFAULT' -H 'Authorization: Bearer <token>' -H 'Content-Type: multipart/form-data' -F 'data=@file_path'
```

Response: Unsuccessful upload response

```
{
  "_error": {
    "code": 400,
    "message": "ERR-2052 - [txt,csv] are supported"
```



```
extension.Please upload file appropriately"  
  }  
}
```

Response: Successful upload response

```
{  
  "code": 200,  
  "data": {  
    "items": {  
      "count": {  
        "successfulProvisions": 4,  
        "failedProvisions": 0,  
        "skippedProvisions": 0  
      },  
      "successfulProvisions": [  
        {  
          "uuid": "cc1f2ce1-fb4c-40d9-84fe-6a41c33fd0a4",  
          "ip": "44.45.36.65",  
          "technology": "Fabric 7"  
        },  
        {  
          "uuid": "ae99b9d3-d1eb-4004-bea8-4270ac94732c",  
          "ip": "44.45.38.89",  
          "technology": "Fabric 8"  
        },  
        {  
          "uuid": "a793043b-5a3b-4007-90f6-be695ec52eb9",  
          "ip": "45.45.34.66",  
          "technology": "Fabric 7"  
        },  
        {  
          "uuid": "51f1ee4a-9f0e-4531-9d3a-5cde9901ce1b",  
          "ip": "44.45.37.62",  
          "technology": "Fabric 8"  
        }  
      ],  
      "failedProvisions": [],  
      "skippedProvisions": []  
    }  
  }  
}
```

## Delete Assets in Bulk

`/ocaapi/v2.0/asset/revoke/bulk`

[DELETE]

To delete more than one assets.

Note: When you delete an asset, all the configuration data and reports related to the assets are also deleted.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 503: Service Unavailable

### Input Parameters

---

assetList	(Required) List of assets_UUID to be deleted.
-----------	---

---

### Header Parameters

---

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

---

### Sample

Sample request body:

```
{
  "assetList": [
    "4x5xx573-x145-4182-916x-x3997x9xx259",
    "5xxxxx860-25x1-4x8x-x336-8x20x6x163xx"
  ]
}
```

Request:

```
curl -X DELETE
'http://<api_gateway_url>/ocaapi/v2.0/asset/revoke/bulk' -H
'assetFlowType: DEFAULT' -H 'Content-Type: application/json' -H
'Authorization: Bearer <token>' -H 'Content-Type: text/plain' -d
@request.json
```

Response:

```
{
  "code": 200,
  "data": {
    "items": {
      "successfulRevoke": [
        "4x5xx573-x145-4182-916x-x3997x9xx259",
        "5xxxx860-25x1-4x8x-x336-8x20x6x163xx"
      ],
      "failedRevoke": []
    }
  }
}
```

## Re-Provision Asset

/ocaapi/v2.0/asset

[POST]

To re-provision an asset.

Note: Values for these fields cannot be changed: hostIP, type, technology. All the other fields can be updated and the asset can be reprovisioned.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

dnsName	(Optional) Enter the domain name.
hostIP	(Required) Enter the host IP for the asset to be re-provisioned.
mac	(Optional) Enter mac address for the asset.
modelName	Enter the model name of the asset to be re-provisioned. This parameter input is not required if assetFlowType is set DEFAULT.
netbios	(Optional) Enter the netbios of the asset to be re-provisioned.
serialNumber	Enter the serial number of the asset to be re-provisioned. This parameter input is not required if assetFlowType is set DEFAULT.
technology	(Required) Technology name of the asset.
type	(Required) Manifest type of asset. Allowed values: PolicyCompliance
uuid	(Required) The UUID of asset to be re-provisioned. This is required only during re-provisioning.

### Header Parameters

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API

## Sample

### Request:

```
curl -X POST "https://<api_gateway_url>/ocaapi/v2.0/asset" -H  
"accept: application/json" -H "assetFlowType: DEFAULT" -H  
"Authorization: Bearer <token>" -H "Content-Type:  
application/json" -d "{\"technology\": \"Fabric  
7\", \"dnsName\": \"Fabric 7  
ASSET\", \"hostIP\": \"23.42.52.55\", \"netbios\": \"Web-  
test.com\", \"mac\": \"23-42-55-54-22-  
11\", \"type\": \"PolicyCompliance\", \"uuid\": \"4891f40f-32c2-47cf-  
9f2f-8eb0ca1bfc14\"}"
```

### Response:

```
{  
  "code": 200,  
  "data": {  
    "assetUUID": "4891f40f-32c2-47cf-9f2f-8eb0ca1bfc14"  
  },  
  "message": "Request for Asset Reprovisioning sent Successfully."  
}
```

## Re-Provision Assets in Bulk

`/ocaapi/v2.0/asset/bulk`

[POST]

To re-provision an asset in bulk.

Note: Values for these fields cannot be changed: hostIP, type, technology. All the other fields can be updated and the asset can be reprovisioned.

### HTTP Status Code

- 200: OK
- 400: Bad Request
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

data	(Required) File containing the entries of asset to be provisioned. Accepted Files: .csv and .txt. Example: bulk_provision.csv or bulk_provision.txt
manifest_types	(Required) Manifest type of asset. Allowed values: PolicyCompliance

### Header Parameters

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
Authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

### Sample

Request:

```
curl -X POST
'https://<api_gateway_url>/ocaapi/v2.0/asset/bulk?manifest_types=PolicyCompliance' -H 'assetFlowType: DEFAULT' -H 'Authorization: Bearer <token>' -H 'Content-Type: multipart/form-data' -F 'data=@file_path'
```

Response:

```
{
  "code": 200,
  "data": {
```

```
"items": {
  "count": {
    "successfulProvisions": 2,
    "failedProvisions": 0,
    "skippedProvisions": 0
  },
  "successfulProvisions": [
    {
      "uuid": "4b5fb573-c145-4182-916a-a3997f9ff259",
      "ip": "111.1.8.21",
      "technology": "Comware 7"
    },
    {
      "uuid": "5eafe860-25d1-4f8c-a336-8b20a6b163ad",
      "ip": "111.1.8.20",
      "technology": "Comware 7"
    }
  ],
  "failedProvisions": [],
  "skippedProvisions": []
}
}
```

## Get status of assets provisioned within given timeframe

/ocaapi/v2.0/assets/status/subscription/{number\_of\_days}

[GET]

To get the status of the assets provisioned in your subscription within given timeframe.

### HTTP Status Code

- 200: OK
- 401: Unauthorized user
- 403: Forbidden
- 404: Not Found

### Input Parameters

---

<number_of_days>	(Required) The time-frame for which you would like to fetch the data. You can specify a time-frame within the last 30 days only.
------------------	--

---

### Header Parameters

---

assetFlowType	Provide asset flow type. The default value is "DEFAULT".
authorization	(Required) The token that was generated using the <a href="#">Fetch Authentication Token</a> API.

---

### Sample

#### Request:

```
curl -X GET
'https://<api_gateway_url>/ocaapi/v2.0/assets/status/subscription/
{number_of_days}' -H 'assetFlowType: DEFAULT' -H 'Authorization:
Bearer <token>' -H 'Content-Type: application/json'
```

#### Response:

```
{
  "code": 200,
  "data": {
    "items": [
      {
        "assetUUID": "3xxxxxx9-245x-4531-x7xx-x84x6386x04x",
        "status": "Provision Confirmed"
      },
      {
        "assetUUID": "56x98x40-2563-4x56-8789-85x7x6x67112",
        "status": "Provision Confirmed"
      }
    ]
  }
}
```



```
    },  
    {  
      "assetUUID": "9x5x267x-048x-4612-x3xx-768x346x6f7x",  
      "status": "Provision Confirmed"  
    },  
    {  
      "assetUUID": "640xxxxx-x725-46x2-956x-8028x9x6xx24",  
      "status": "Provision Confirmed"  
    }  
  ]  
}  
}
```