



Cisco DCNM REST API Guide, Release 11.0(1)

[Overview](#) 2

[Getting Started with Cisco DCNM APIs](#) 2

Revised: November 30, 2018,

Overview

Getting Started with Cisco DCNM APIs

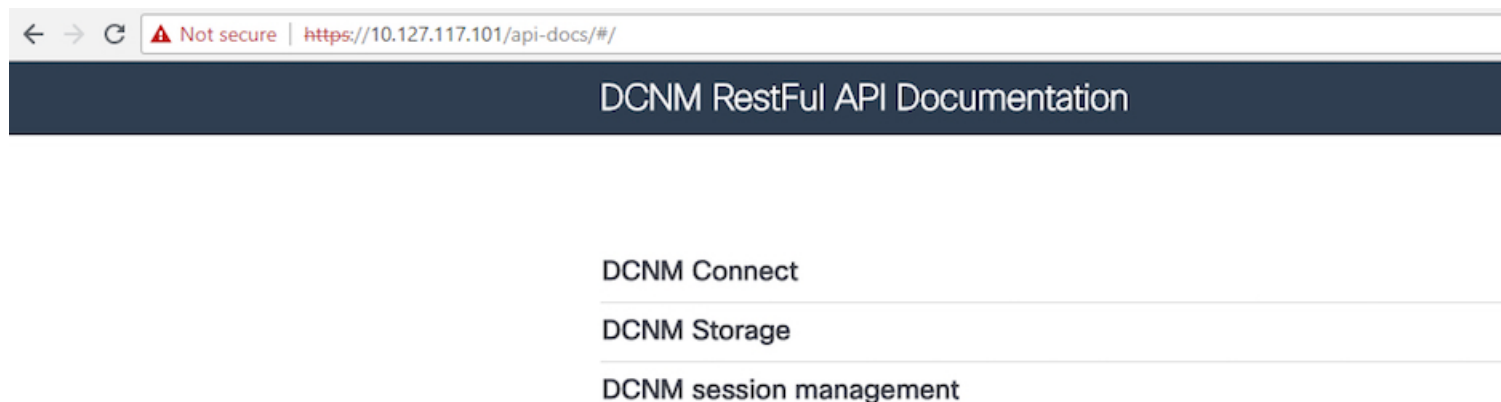
Cisco DCNM provides REST APIs that allow third parties to test and develop application software. The REST API documentation is packaged with Cisco DCNM, and can be accessed through any browser.

Accessing the DCNM REST API documentation involves the following steps:

1. Log in to your Cisco DCNM Web Client.
2. Go to the URL: **https://DCNM-IP/api-docs**

The following figure shows the DCNM REST API documentation.

Figure 1: Cisco DCNM REST API Documentation



Note The Cisco DCNM REST API documentation only works from Cisco DCNM Release 10.2(1).

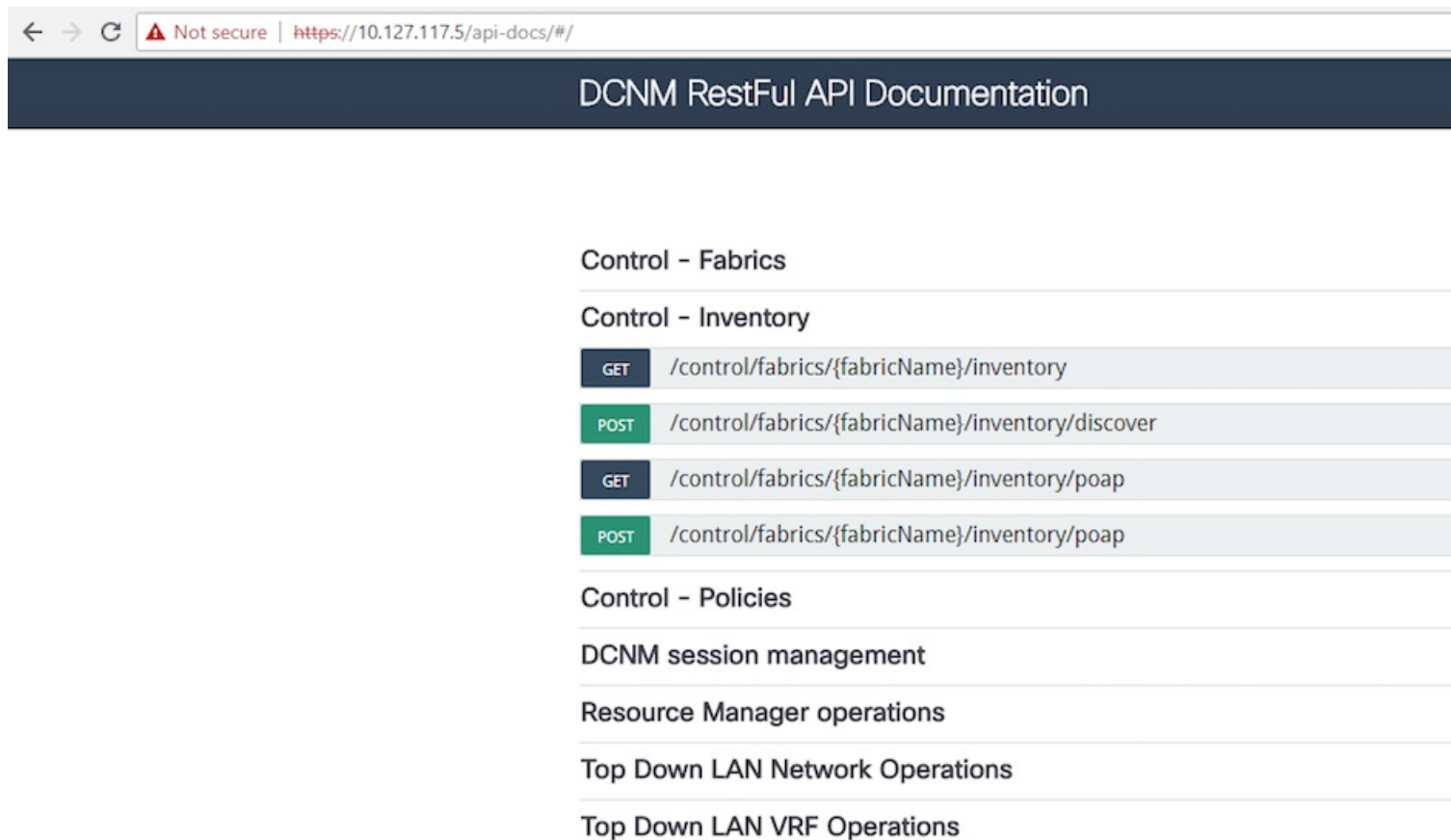
The REST API documentation packaged with the Cisco DCNM 11.0(1) is limited to the following API categories:

- PMN
- LAN Fabric Provisioning
- Session Management
- DCNM Storage
- DCNM Performance
- DCNM Discovery

- DCNM Inventory
- DCNM Connect
- Resource Manager Operations

The APIs are grouped under broad categories, such as, DCNM PMN Host management and DCNM Session Management. In the DCNM RestFul API document, click the **Show/hide** button corresponding to any of the API category names displayed on the page. Alternatively, click on any category link to expand or collapse it. When a category is expanded, you can see the corresponding APIs under it. The following figure shows the APIs in the DCNM Inventory category.

Figure 2: APIs in the DCNM Inventory Category



There are 4 types of API methods:

- GET—Fetch existing information or data from the DCNM server.
- POST—Create new information or data.
- DELETE—Delete existing information or data.

- PUT—Update existing information or data.

The following figure shows how the GET API method is used:

Figure 3: GET API Method

GET /control/fabrics/{fabricName}/inventory

Parameters

Parameter	Value	Description
fabricName	<input type="text" value="default"/>	

Response Messages

HTTP Status Code	Reason	Response Model
default	successful operation	

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'https://10.127.117.5/rest/
```

Request URL

```
https://10.127.117.5/rest/control/fabrics/default/inventory
```

Response Body

```
[
  {
    "name": null,
    "domainID": 0,
    "wwn": null,
    "membership": null,
    "ports": 0,
    "model": "N9K-C92304QC",
    "version": null,
    "upTime": 0,
    "ipAddress": "172.22.31.119",
    "mgmtAddress": null,
    "vendor": "Cisco",
    "displayHdrs": [
      "Name",
      "IP Address",
      "Fabric",
      "WWN",
      "FC Ports",
      "Vendor",
    ]
  }
]
```

Response Code

200

Response Headers

The following figure shows the response of the GET API method:

Figure 4: Response of GET API Method

GET /control/fabrics/{fabricName}/inventory

Parameters

Parameter	Value	Description
fabricName	<input type="text" value="default"/>	

Response Messages

HTTP Status Code	Reason	Response Model
default	successful operation	

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'https://10.127.117.5/rest/control/fabrics/default/inventory'
```

Request URL

```
https://10.127.117.5/rest/control/fabrics/default/inventory
```

Response Body

```
{
  "wnn": null,
  "membership": null,
  "ports": 0,
  "model": "N9K-C92304QC",
  "version": null,
  "upTime": 0,
  "ipAddress": "172.22.31.119",
  "mgmtAddress": null,
  "vendor": "Cisco",
  "displayHdrs": [
    "Name",
    "IP Address",
    "Fabric",
    "WMN",
    "FC Ports",
    "Vendor",
    "Model",
    "Release",
    "UpTime"
  ],
  "displayValues": [
```

Response Code

200

Response Headers

```
{
  "pragma": "no-cache",
  "content-security-policy": "default-src https;;connect-src https: wss:",
  "x-content-type-options": "nosniff",
  "server": "Server",
  "x-powered-by": "Server",
  "x-frame-options": "SAMEORIGIN",
  "connection": "keep-alive",
```

For more information about the Cisco DCNM REST APIs, see <https://developer.cisco.com/docs/cisco-dcnm-rest-api-reference-guide-release-11-0-1/>



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA 95134-1706
USA

Asia Pacific Headquarters
CiscoSystems(USA)Pte.Ltd.
Singapore

Europe Headquarters
CiscoSystemsInternationalBV
Amsterdam,TheNetherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.