

Authentication

The Authentication REST APIs can be used by an external application to authenticate itself to the DCNM in order to control the Fabric Automation cluster. After calling logon to get the token, all the subsequent REST API requests need to set the DCNM-Token field with the token in the HTTPS header.

From Release 10.0(1), by default, the Cisco DCNM will support https only.

The following are the Authentication REST APIs:

- [Logon, page -5](#)
- [Logout, page -6](#)
- [Get DCNM Version, page -7](#)

Status

The following table details the API Response code, status and, the HTTPS methods.

Status Code	Status	API's HTTPS Method or HTTPS Method
200	OK	GET
202	Accepted	POST PUT DELETE
400	Bad Request	GET POST PUT DELETE
401	Unauthorized	GET POST PUT DELETE
403	Forbidden	GET POST PUT DELETE
404	Not Found	GET POST PUT DELETE

Status Code	Status	API's HTTPS Method or HTTPS Method
405	Method Not Allowed	GET POST PUT DELETE
500	Internal Server Error	GET POST PUT DELETE

Logon

Resource Name /logon

Description Logon to DCNM server to authenticate the user. Once the authentication is complete, a token will be returned as the response. All API calls to the DCNM server should use this token until it is expired or invalid. The logon API uses “username:password” with base64 encoded in https Authorization header. For example, “Authorization: Basic QWxhZGRpbjpvYGVuIHNLc2FtZQ==” will return the token in the payload.

https Method POST

URL https://dcnm-ip/rest/logon

Parameter

Parameter	Type	Description
expirationTime	O	Token expiry time in milliseconds.

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
Dcnm-Token	S	Details of the token.

Logout

Resource Name /logout

Description Logout from the DCNM server. Once you have logged out, the token will be invalid. You must set the token in the Authorization header while using this API.

https Method POST

URL https://dcnm-ip/rest/logout

Parameter

Parameter	Type	Description

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description

Get DCNM Version

Resource Name /rest/dcnm-version

Description Get the installed DCNM version.

https Method GET

URL https://dcnm-ip/rest/dcnm-version

Parameter

Parameter	Type	Description

Return Value Format: JSON

Type: Object

Attribute Name	Type	Description
Dcnm-Version	S	Get DCNM version.

