

## Authentication

The Authentication REST APIs can be used by an external application to authenticate itself to the DCNM in order to programmatically control the Unified Fabric 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.

By default, the dcnm will support http. For https support, you need to run the command "**appmgr update dcnm -h true**".

The following are the Authentication REST APIs:

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## 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	S	Token expiry duration.

**Return Value** Format: JSON

Type: Object

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

**Status Code**

200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
500	Internal Server Error

## 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

**Status Code**

202	Accepted
400	Bad Request
401	Unauthorized
403	Forbidden
500	Internal Server Error

## 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.

**Status Code**

200	OK
400	Bad Request
401	Unauthorized
403	Forbidden
500	Internal Server Error