



- ## Information about Cisco APIs for Cisco SD-WAN Cloud

The key is to be used for Cisco API calls by a specified fabric user. It remains valid until the user is deleted or the user role is changed.

Obtaining a Cisco API key

Cisco SD-WAN Cloud Release 20.15 provides a mechanism to generate an API key directly. Follow these steps to generate an API key and find the gateway URL and Cross-site request forgery protection (CSRF) token values:

- Step 1** Log into the fabric.
- Step 2** Select **My Profile** from the drop-down menu under your user ID.
- Step 3** On the **Profile** page, click **Generate** under **API token**. The API key is generated and displayed.
- Step 4** Copy or download the key contents.

```
{
  "token": "eyJ0eXAiOiJqdDQzIiwiaWF0IjE1NjYyOTUwMDEyLmVudWUiOiJ2bGluZ2FtcEBjaXNjb3R5b20iLCJpc3MiOiJiOGVkYW...
  a_fcNoeAlVYvrXzDXA",
```

Step 5 Use the endpoint information provided here to find your API gateway URL. In the payload "org" field, enter the "tenant" value from your API key, and in the "apikey" field, enter the "token" value.

Post

Payload

Response

Note

Step 6 Using the API key and gateway URL hostname values you received, make a GET request to the endpoint “/dataservice/client/token” to obtain the CSRF token, which is found in the response you will receive. Based on the gateway URL returned in this example, the full pathname would be <https://apigw1clouduswest2-1024.viptela.info/dataservice/client/token>.

Use the Cisco API key to access all Cisco APIs from Cisco SD-WAN Cloud through your SSO login, subject to certain restrictions. Refer to [Cisco DevNet](#) for more information on Cisco APIs.

- Authentication method

You must specify the Bearer token authentication method in a header field. Use the value you received from your GET request.

- Cross-site request forgery protection (CSRF/XSRF)

- API body use

- Rate limit

- No continuous monitoring

- Supported categories

- Certificate management
- Configuration
- Device and device inventory
- Monitoring
- Troubleshooting tools

- No NAT configuration

Cisco API request examples

GET API request example using Curl

```
curl --location
apigw1clouduswest2-1024.viptela.info/dataservice/settings/configuration/banner'
--header 'X-XSRF-Token: AB0E71CAE...'
--header 'Authorization: Bearer
eyJ0eXAiOiJqd3QiLCJhbGciOiJSUzI1NiJ9.eyJzdWIiOiJ2bGluZ2FtcEBjaXNjb20iLCJpc3MiOiJiOGVkyW
...
a_fcNoeAlVYvrXzDXA'
```

This PUT request sends the data in the data parameter to the page URL specified in the location parameter.

```
curl --location --request PUT
apigw1clouduswest2-1024.viptela.info/dataservice/settings/configuration/banner'
--header 'X-XSRF-Token: AB0E71CAE72C6D...'
```

```
--header 'Content-Type: application/json'
--header 'Authorization: Bearer
eyJ0eXAiOiJqd3QiLCJhbGciOiJSUzI1NiJ9.eyJzdWIiOiJ2bGluZ2FtcEBjaXNjby5jb20iLCJpc3MiOiJiOGVkyW
...
a_fcNoeAlVYvrXzDXA'
--data '{"mode":"on","bannerDetail":"check"}'
```