

Using REST APIs

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Using REST APIs

This section explains how you can use REST APIs.

1. Create a user.

   To create a new user, see **Adding Users** procedure in Managing Users.

2. Call auth REST API to create a token.

   Encode the username and password with base 64. Fill the encode output into the Authentication Header.

   The following is a sample configuration to use REST API:

```
User: admin
Password: bell

Get the Base64 under Linux: echo -n 'admin:lab' | base64
Base64 encode output: YWRtaW46bGFi

curl -X POST "https://{hostname}/api/auth/v1/token" -H  "accept: application/json" -H
"authorization: Basic YWRtaW46bGFi"

Response code: 201
Response body
{
"access_token":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJyb2xlIjoiYXBpLWFkbWluIiwic2FsdCI6IlViQ2daamt
IWHd6RUNzS1EiLCJleHAiOjE1NjQ2NTA2MTd9.x7ccHcOn6fLvHc_ajLJxQEY1ftvR1ZaJH9K_YZx1ues",
"refresh_token": "lYYtZqgVhnsnBJgSHbigRzeEaLnWziMpHJKVzgHA",
"refresh_token_expire": 1567221017,
"token_type": "jwt"
}
```

3. You can use the `access_token` created in the previous step to make individual REST API calls.

   The following is a sample configuration to make individual REST API calls, with user as `access_token` with header `Authorization: Bearer`.

```
curl -X GET https://{hostname}/api/rbac/v1/identitymgmt/user -H "accept: application/json"
 -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6ImFkbWluIiwicm9sZSI6ImpUWFkbWluufGFwaS12aWV3ZXJ8YXBpLWVkaXRvcnxhcGktYWRtaW4
iLCJzYWx0IjoiZU9ZR0RtRFBsVFVwaEglWCIsImV4cCI6MTY4MTc3Nzg2NCwic3ViIjoiYWRtaW4ifQ.gYIFghIusN4uN6ok0Ey8sANPTqRw_VdWmvtqklzkNDU"
 -k
{
"userDetailList":
[
{
"groupList":
[
"admin",
"api-admin",
"api-editor",
"api-viewer"
],
"username": "admin",
"passwordExpiryPeriod": "90"
}
]
}
```

Importing Configuration Using RESTful API

You can import the Cisco Operations Hub configuration and check the status of the import operation using the following APIs:

```
https://<HostName>/utility/v1/config/import
https://<HostName>/utility/v1/config/operation/status
```

Exporting Configuration Using RESTful API

You can export the Cisco Operations Hub configuration and check the status of the export operation using the following APIs:

```
https://<HostName>/utility/v1/config/export
https://<HostName>/utility/v1/config/operation/status
```