

Cloudera Flow Management 4.0.0

Accessing NiFi Registry API Swagger UI

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The Cloudera logo is displayed in a bold, orange, sans-serif font. The word "CLOUDERA" is written in all caps, with a stylized 'E' that has a horizontal bar extending to the right.

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Authentication and permissions for NiFi Registry API Swagger UI

Accessing the NiFi Registry API Swagger UI requires proper authentication and configured permissions. This section outlines the necessary steps to authenticate and configure permissions for accessing the Swagger UI.

Authentication

When accessing the Swagger UI for the NiFi Registry API, use the same authentication mechanism as the one used for the NiFi Registry UI.

Permissions and policies

Ensure that appropriate access permissions are configured in your NiFi Registry instance to enable access to the Swagger UI. Access to the Swagger UI is subject to specific NiFi Registry policies. For example, with Ranger, a policy associated with the resource identifier `/swagger` is required.

For example:

Policy Details ✕

Service Name : nifi_cluster_nifiregistry

Service Type : nifi-registry

Policy Details :

Policy Type	Access
Policy ID	131
Version	3
Policy Name	Swagger Normal Enabled
Policy Labels	
NiFi Registry Resource Identifier	/swagger
Description	Policy to grant access to the self-hosted Swagger UI. Do not change the name of this policy.
Audit Logging	Yes

Allow Condition :

Select Role	Select Group	Select User	Permissions	Delegate Admin
--	_c_nifi_registry_admins_4018a52a	--	READ	<input type="checkbox"/>
--	_c_nifi_registry_admins_4018a52a	--	WRITE	<input type="checkbox"/>
--	_c_nifi_registry_admins_4018a52a	--	DELETE	<input type="checkbox"/>

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Accessing and using NiFi Registry API Swagger UI

NiFi Registry offers a user-friendly Swagger UI to interact with its APIs. This interface provides a convenient way to explore and test API endpoints, request parameters, and response formats.

About this task

The Swagger UI is available at the following URL: [https://\[***hostname***\]:18433/nifi-registry-api/swagger/ui.html](https://[***hostname***]:18433/nifi-registry-api/swagger/ui.html)

Before making API calls using the Swagger UI, follow the below steps:

Procedure

1. Go to the Swagger UI interface.
2. Set the scheme to HTTPS by selecting it from the Schemes dropdown list.
3. Ensure that you have the proper authorization by clicking Authorize to obtain the proper token required for API calls.

The screenshot shows the Swagger UI for the Apache NiFi Registry REST API. The interface is titled "Apache NiFi Registry REST API" and includes a search bar with the URL "/nifi-registry-api/swagger/swagger.json". Below the title, there are links for "Terms of service", "Apache NiFi Registry - Website", "Send email to Apache NiFi Registry", and "Apache 2.0 License". A "Schemes" dropdown menu is set to "HTTP", and an "Authorize" button is visible. The main content area lists several API endpoints:

- about**: Retrieves the version information for this NiFi Registry. Endpoints: GET /about (Get version).
- access**: Endpoints for obtaining an access token or checking access status. Endpoints: GET /access (Get access status), DELETE /access/logout (Performs a logout for other providers that have been issued a JWT), GET /access/logout/complete (Completes the logout sequence), GET /access/oidc/callback (Redirect/callback URI for processing the result of the Openid Connect login sequence).
- access/oidc/refresh**: Retrieves a JWT following a successful login sequence using the configured Openid Connect provider.