

Using Flow Library Registry Client

Date published: 2019-06-26

Date modified: 2024-10-02



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Contents

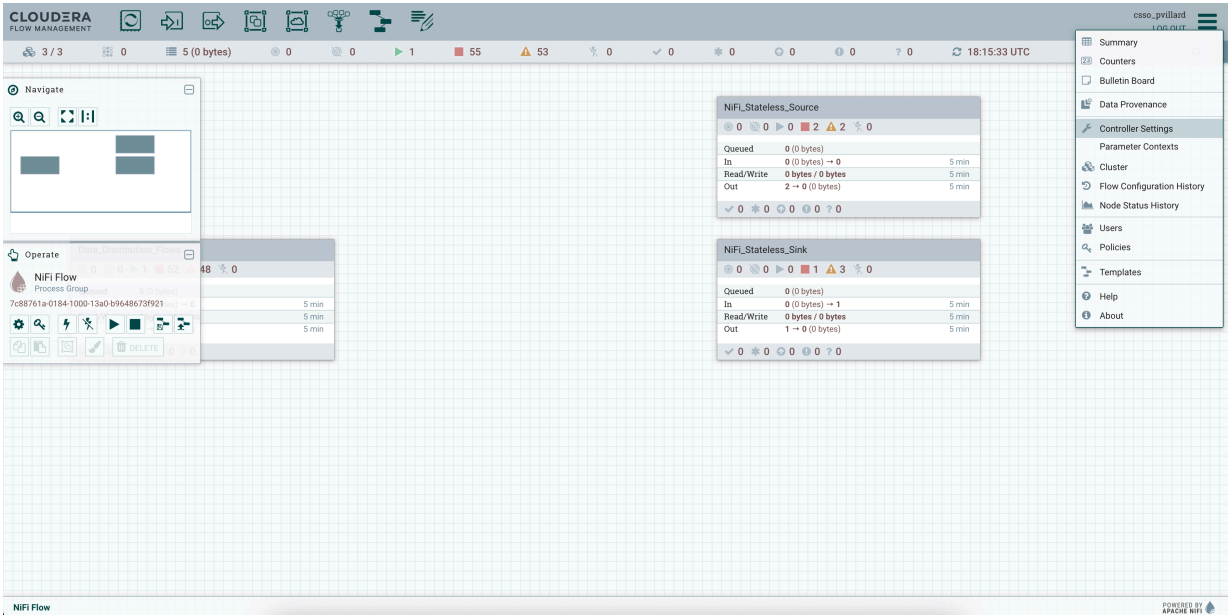
Adding Cloudera Flow Library Registry Client.....	4
Checking out a flow.....	6

Adding Cloudera Flow Library Registry Client

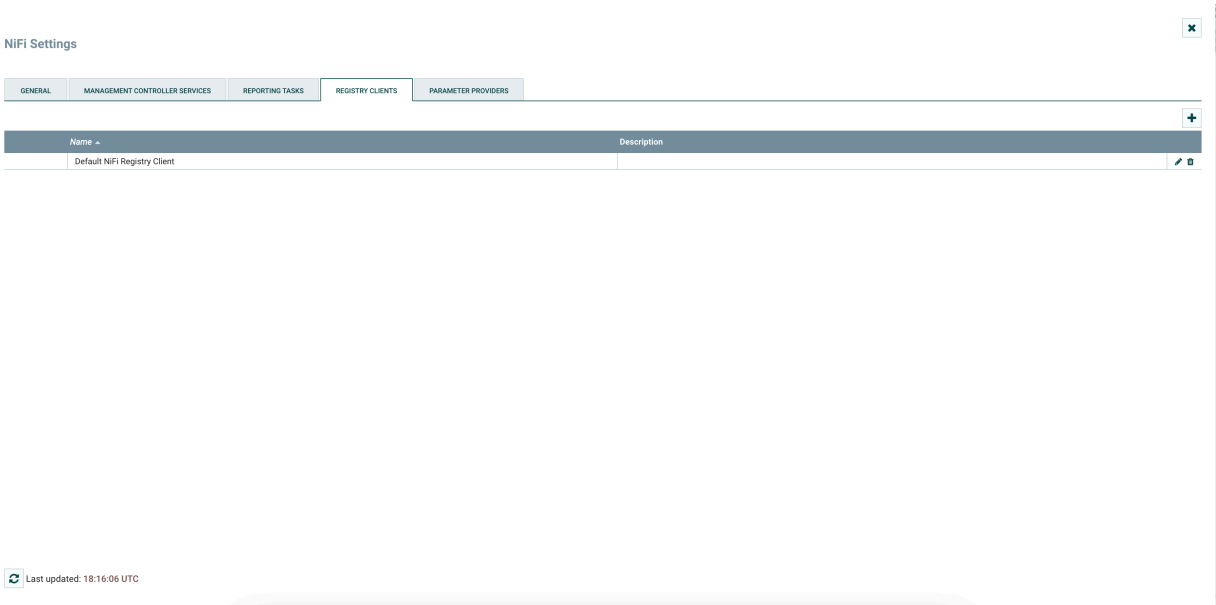
The Cloudera Flow Library Registry Client provides access to Cloudera's exclusive Flow Library. These predefined flows can help you swiftly deploy solutions tailored to your specific needs in a wide range of use cases. Learn how to configure the Registry Client and check out flows from the library.

Procedure

- 1. Open the NiFi UI.
- 2. Click the Global menu and select Controller Settings.



- 3. Switch to the Registry Clients tab.



4. Add a new client.
 - a) Select the type and give it a name.

The screenshot shows the 'Nifi Settings' interface with the 'REGISTRY CLIENTS' tab selected. A modal dialog titled 'Add Registry Client' is open. It contains the following fields:

- Name:** A text input field containing 'Cloudera Flow Library'.
- Type:** A dropdown menu showing 'ClouderaFlowLibraryFlowRegistryClient (1.0.0.2.1.6.0-314)'.
- Description:** A large text area that is currently empty.

At the bottom of the dialog are 'CANCEL' and 'ADD' buttons. The background shows a table of existing registry clients with columns for Name, Description, Type, and Bundle.

- b) Configure the client.

You will have to create a `StandardWebClientServiceProvider` controller service and start it with its default configuration.

The screenshot shows the 'Edit Registry Client' page with the 'SETTINGS' tab selected. It features a table of properties:

Property	Value
Web Client Service Provider	No value set
Credentials Source	Manual
Username	No value set
Password	No value set

At the bottom right of the page are 'CANCEL' and 'UPDATE' buttons. A 'Required field' label with a plus icon is visible at the top right of the settings area.



Note: Keep Credentials Source as Manual. Username and Password are the Cloudera credentials that you are using to access the Cloudera binaries on archive.cloudera.com/p/

What to do next

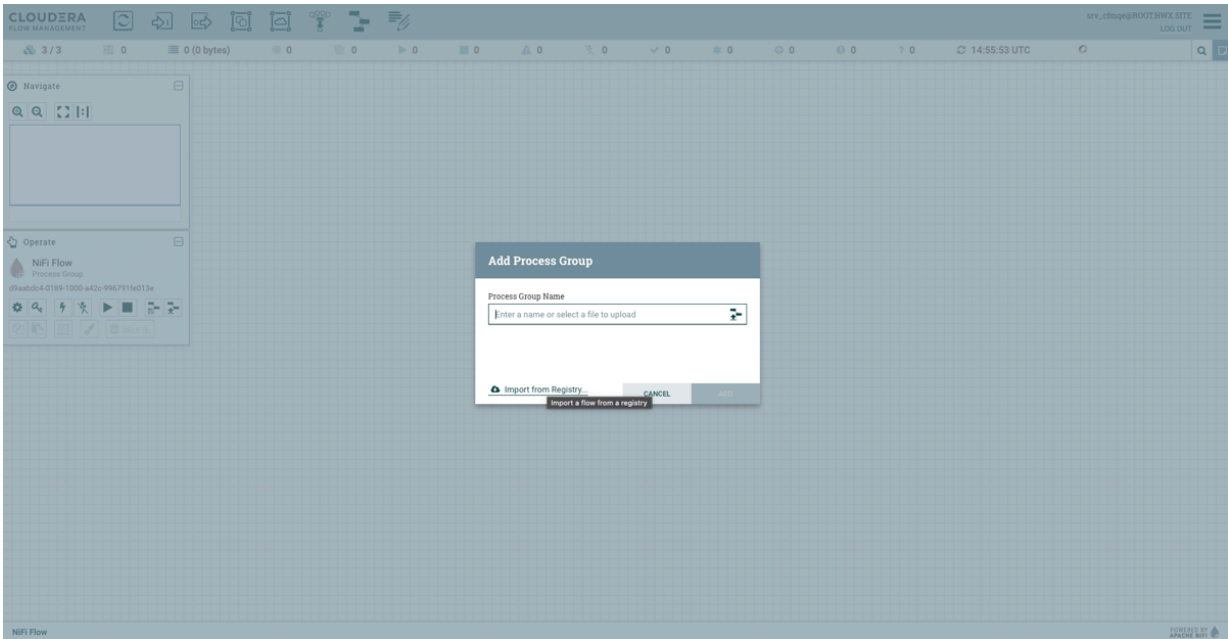
You can now start using the new client to check out flows from the Cloudera Flow Library.

Checking out a flow

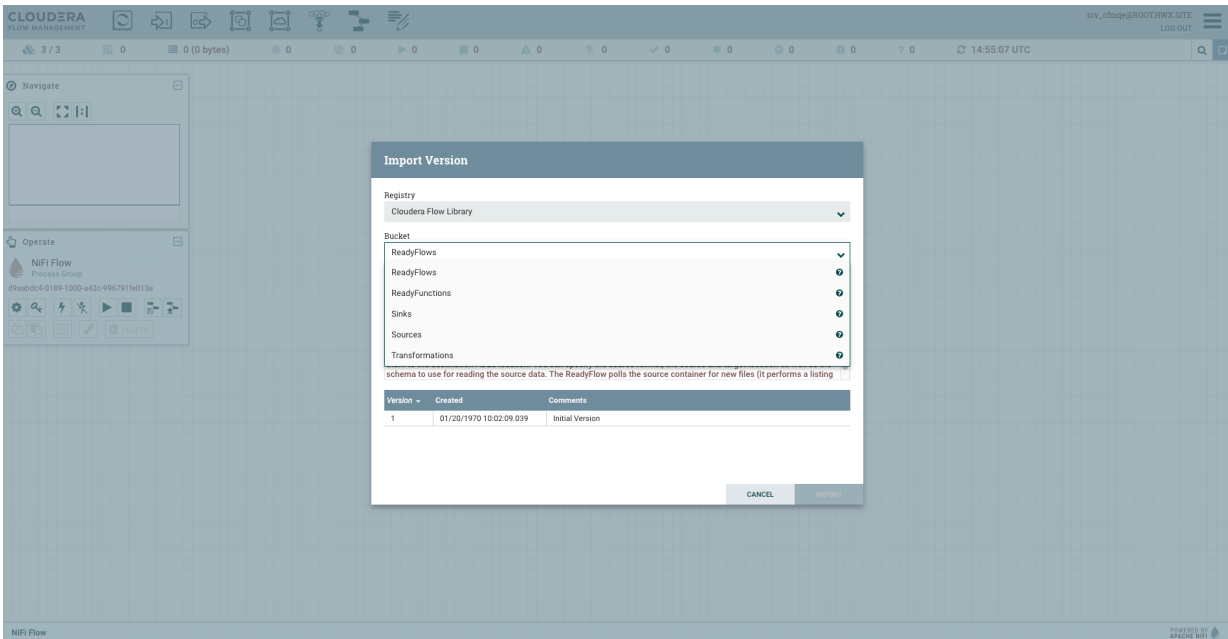
Learn how to check out a data flow from the Cloudera Flow Library.

Procedure

- 1. Drag and drop a process group onto the canvas and click Import from Registry.



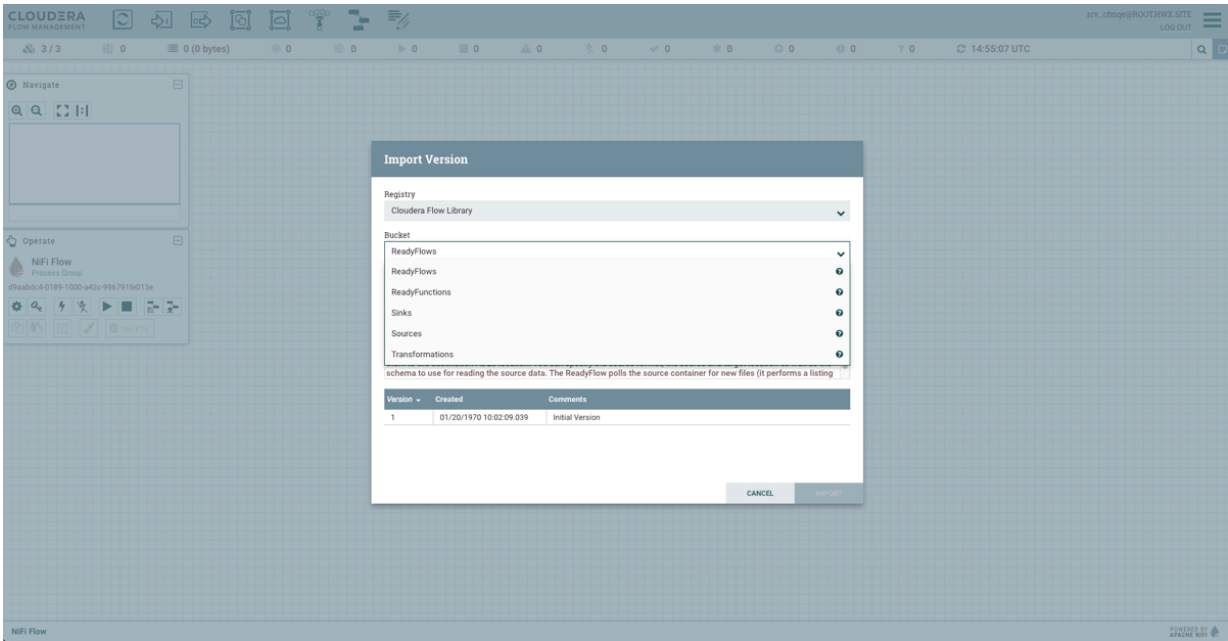
- 2. In the drop-down list, select the Registry Client configured to access the Flow Library.



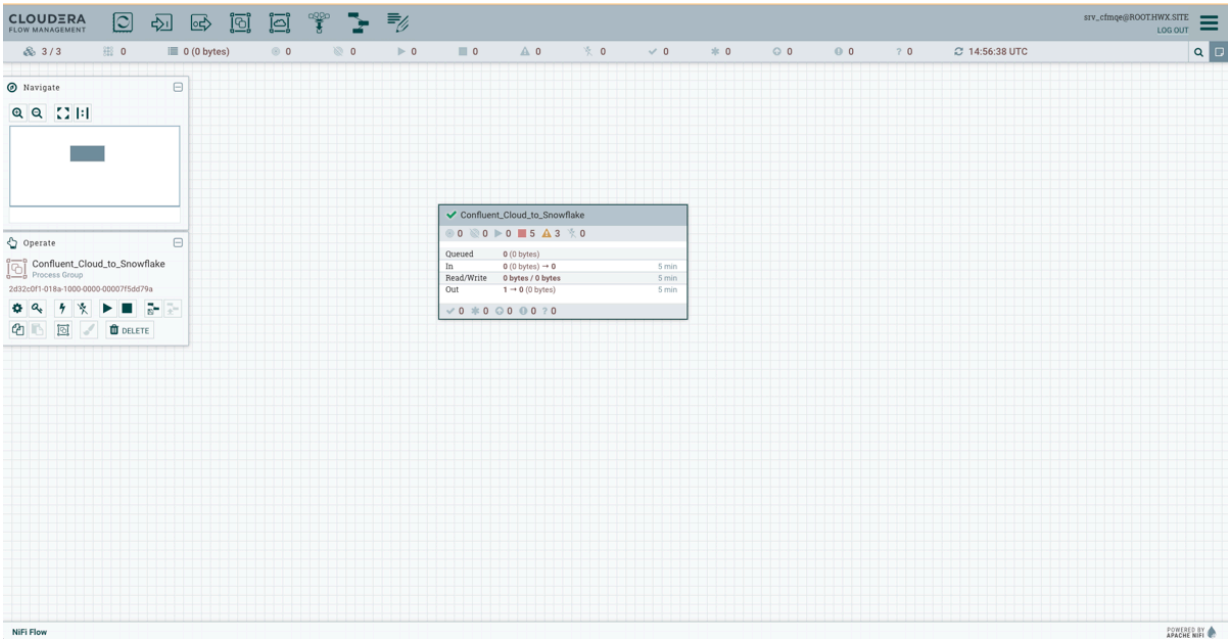
3. Select the desired bucket.



Note: All buckets are read-only and provide flows for different types of usages.



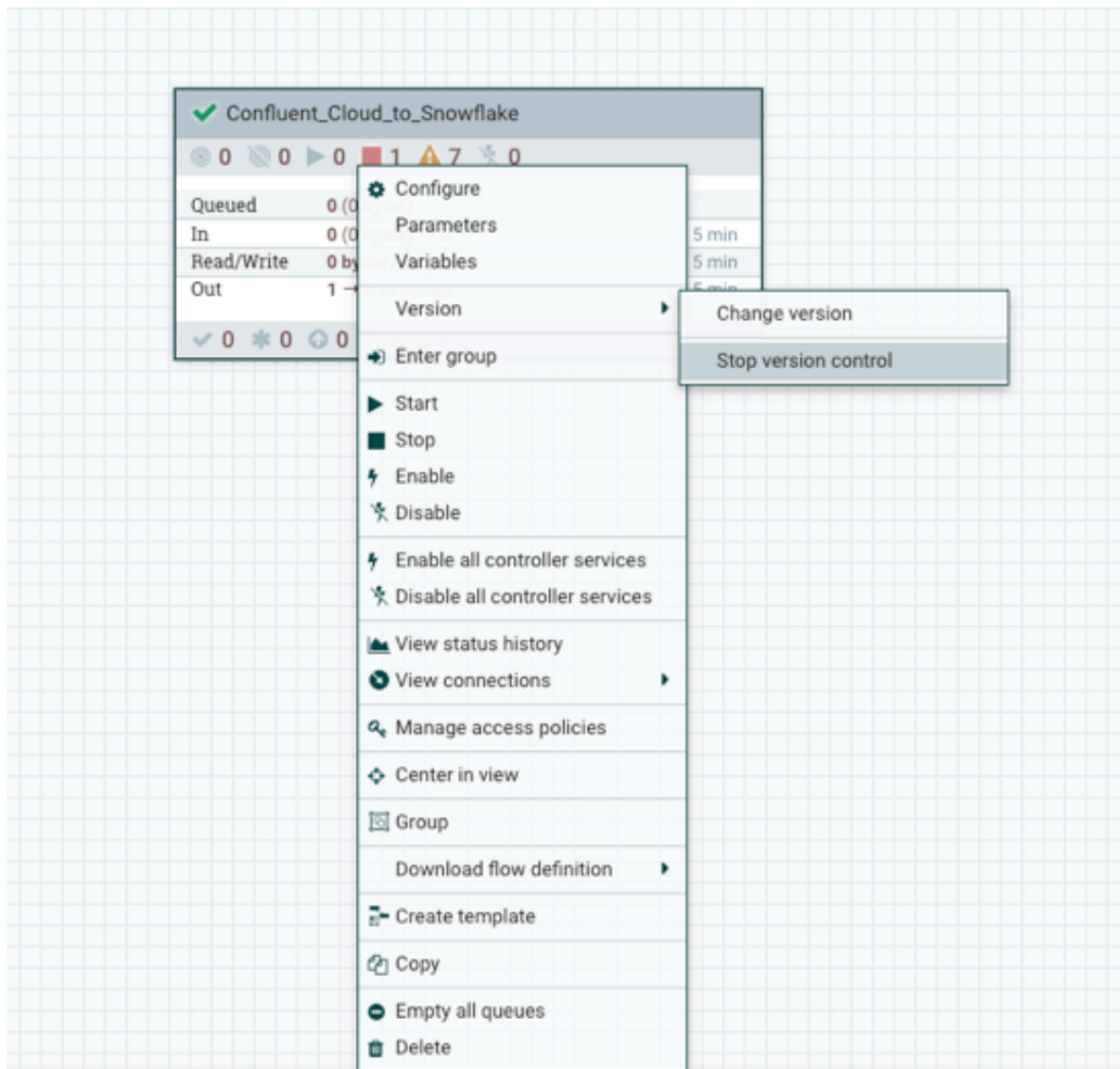
4. Select the flow that you want to check out in NiFi by clicking the selected version and then clicking Import.



5. All flows stored in the Cloudera Flow Library are read-only so you are not able to change the original flow that you have checked out.

If you want to edit the flow, you can create your own version:

- a) Right-click the process group, select Version and click Stop version control.



- b) Make the changes you want.
- c) Version your new flow as a custom flow using another Registry Client into another Registry (NiFi Registry or Cloudera DataFlow Catalog): right-click the process group, select Version, and click Start version control.