

Cloudera Flow Management 4.12.0

Upgrade

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CLOUDERA

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Supported upgrade paths for Cloudera Flow Management

Cloudera recommends running NiFi on the Cloudera platform to take full advantage of the latest updates and features. Review the upgrade information carefully to ensure you understand the requirements for your specific upgrade scenario.

If you are using Cloudera Flow Management 4.10.0 or 4.11.0, you can upgrade directly to 4.12.0. This path supports a full in-place upgrade on Cloudera Base on premises without requiring data migration between clusters. This standard upgrade procedure includes stopping your current Cloudera Flow Management services, deactivating the parcel, and then installing, distributing, and activating the Cloudera Flow Management 4.12.0 parcel. For detailed upgrade instructions, see [Upgrading from Cloudera Flow Management 4.10.0 or 4.11.0 to 4.12.0](#).



Note: Upgrade from Cloudera Flow Management 4.0.0 [Technical Preview] is not supported.

There is no supported upgrade path from Cloudera Flow Management versions powered by NiFi 1 (2.1.7 and lower) to Cloudera Flow Management versions powered by NiFi 2 (4.10.0 and higher). You can migrate your NiFi 1 data flows to Cloudera Flow Management 4.12.0 powered by NiFi 2. For more information on migration prerequisites and the detailed steps of the migration workflow, see the [Migration](#) documentation.

Upgrading from Cloudera Flow Management 4.10.0 or 4.11.0 to 4.12.0

This guide outlines the prerequisites and steps for upgrading from Cloudera Flow Management 4.10.0 or 4.11.0 to 4.12.0 on Cloudera Base on premises.

Before you begin

- Ensure Cloudera Manager is running and accessible.
- Review the [Download locations](#) for the latest Cloudera Flow Management parcels and Custom Service Descriptor (CSD) files for your operating system.
- Have your credentials ready to access the Cloudera Archive download repository.

Procedure

1. In Cloudera Manager, stop the following services in this order:
 - a. NiFi
 - b. NiFi Registry
2. Navigate to the CSD directory and delete the old CSD JAR files.
3. Download the new CSD files for NiFi and NiFi Registry.

For example: For RHEL8, use the following commands:

```
wget https://<username>:<password>@archive.cloudera.com/p/cfm2/4.11.0.0/redhat8/yum/tars/parcel/NIFI-2.4.0.4.11.0.0-xxx.jar
```

```
wget https://<username>:<password>@archive.cloudera.com/p/cfm2/4.11.0.0/redhat8/yum/tars/parcel/NIFIREGISTRY-2.4.0.4.11.0.0-xxx.jar
```

**Note:**

The CSD download links may vary based on the operating system and Cloudera Flow Management versions. For the latest download links, see the [Download locations](#).

By default, Cloudera Manager stores CSD files in `/opt/cloudera/csd`. To change this location, go to Administration Settings Local Descriptor Repository Path .

Make sure the files have appropriate ownership, access attributes, and SELinux permissions if applicable.

4. Download the new Cloudera Flow Management parcel and associated .sha checksums file appropriate for your operating system.

The default parcel location is `/opt/cloudera/parcel-repo/`.

Ensure that you maintain the appropriate file ownership and access attributes and SELinux permissions if needed.

5. Restart the Cloudera SCM Server to recognize the new CSDs.

```
systemctl restart cloudera-scm-server
```

6. Activate the parcel in Cloudera Manager.

- a) Go to **Parcels**.
- b) Locate the Cloudera Flow Management parcel.
- c) Click Distribute, then Activate.
- d) In the pop-up, select Activate Only, then click OK.

7. Restart Cloudera Management Service.

8. Restart NiFi and NiFi Registry.

9. Deploy the client configurations.

10. To remove old parcels from the host:

- a) Go to the Parcels page.
- b) From the Parcel menu, select the old Cloudera Flow Management parcel.
- c) Click Remove From Host.
- d) Click Delete to permanently remove the files.

11. In the Ranger UI, ensure proper access is set up for the NiFi service controller policy:

- a) Add the nifi user to the policy with READ permissions.
- b) Verify that the nifi group is assigned to the policy.