



Managing Hadoop Accounts

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Adding a Hadoop Account

If you want to manage your Hadoop cluster using Cisco UCS Director Express for Big Data, add a Hadoop account.

- Step 1** Choose **Solutions > Big Data > Accounts**.
- Step 2** Click **Hadoop Accounts**.
- Step 3** Click **Add**.
- Step 4** On the **Add Account** screen, complete the following fields:

Name	Description
Pod drop-down list	The pod to which you add the Hadoop account.
Account Name field	The account name.
Account Type drop-down list	The type of Hadoop distribution used for the cluster. Choose one of the following: <ul style="list-style-type: none">• Cloudera• MapR• Hortonworks
Management Console IP field	The management console IP address.
SSH (root) Password field	The password associated with the SSH username.

Name	Description
Confirm Password field	The password associated with the SSH username.
Management Console Protocol drop-down list	Choose HTTP or HTTPS protocol.
Management Console Port Number field	Enter the port number. Enter an integer between 1024 and 65535.
Hadoop Manager Password field	The password associated with the Hadoop Manager for that account type.
Confirm Password field	The password associated with the Hadoop Manager for that account type.

Step 5 Click **Submit**.

Step 6 For the following actions, select a Hadoop account.

Name	Description
Edit	Allows you to edit a Hadoop account.
Delete	Deletes a Hadoop account.
Check Configuration	Allows you to validate an existing cluster configuration.
Rollback Cluster	Allows you to roll back a cluster and make all the nodes in the cluster available for bare metal servers. Roll back is not supported for a derived cluster account.
Launch Hadoop Manager	Allows you to launch the Hadoop manager from Cisco UCS Director Express for Big Data
View Details	Provides details of a Hadoop account.
Run Inventory	Collects the inventory of the Hadoop cluster for the selected Hadoop Account and the data persists in the Cisco UCS Director Express for Big Data database.
Configure Cluster	Allows you to customize the Hadoop cluster after creation.
Modify Credentials	Allows you to modify the SSH, admin Console credentials, and management console protocol and port details for a Hadoop account.

Running a Cluster Inventory for a Hadoop Account

When you create a Hadoop Account, a new system task (inventory collector) is created within the account. Navigate to the Big Data Tasks folder here: **Administration > System > System Tasks**. The system task collects the inventory of the Hadoop cluster for the selected Hadoop Account and establishes data in the Cisco

UCS Director database. This collector adds to the system scheduler so that the system scheduler can be called at the interval configured in the collector (for example, 30 minutes).

For more information on how to manage system tasks in Cisco UCS Director, see the latest *Cisco UCS Director Administration Guide*.

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- Step 1** Choose **Solutions > Big Data > Accounts**.
 - Step 2** Click **Hadoop Accounts**.
 - Step 3** On the **Accounts** screen, choose the Hadoop Account for which you want to run the inventory.
 - Step 4** Click **Run Inventory**.
 - Step 5** Click **Submit**.
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Purging Big Data Cluster Account Details

A new system task (purging) is created within the account. Navigate to the Big Data Tasks folder here: **Administration > System > System Tasks**. The system scheduler deletes the monitoring and metric data that are older than 18 days. When the Cisco UCS Director Express for Big Data is up:

- the stale entries are deleted for the valid accounts that do not have add nodes.
- the account details are deleted for the invalid accounts.

Rolling Back a Hadoop Cluster for a Hadoop Account

You can roll back a Hadoop cluster and make all the nodes in the cluster available for a bare metal server. However, roll back is not supported for a derived cluster account.

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- Step 1** Choose **Solutions > Big Data > Accounts**.
 - Step 2** Click **Hadoop Accounts**.
 - Step 3** On the **Accounts** screen, choose the Hadoop account for which you want to roll back the cluster.
 - Step 4** Click **Rollback Cluster**.
 - Step 5** On the **Rollback Cluster** screen, click **Submit**.
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Access to Hadoop Managers from Cisco UCS Director Express for Big Data

You can access Hadoop managers for all the Hadoop accounts that you create in Cisco UCS Director Express for Big Data. Choose **Solutions > Big Data > Accounts**, and then click **Hadoop Accounts**. You can launch the Hadoop manager in supported browsers by clicking **Launch Hadoop Manager**.

