



Managing Splunk Accounts

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Cisco UCS Director Express for Big Data with Splunk Enterprise

Cisco UCS Director Express for Big Data with Splunk Enterprise deployment reliably collects and indexes machine data, from a single source to tens of thousands of sources, all in real time. Splunk Enterprise deployments expand to terabytes of operational data. Cisco UCS Director supports the massive scalability that Splunk Enterprise deployments to deliver exceptional performance.

Splunk Enterprise deployments consist of Cisco UCS as indexer and C220 M4 Server as search heads, along with administrative functions.

Splunk Enterprise deployments include the following:

- Cisco UCS
- Cisco UCS C-Series Rack-Mount Servers
- Cisco UCS Manager

Adding a Splunk Account

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

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- Step 1** Choose **Solutions > Big Data > Accounts**.
 - Step 2** Click **Splunk 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 the Splunk account to be added.
Account Name field	The Splunk account name.
Management Console IP field	The management console IP address.
SSH (Root) Password field	The password associated with the SSH username.
Confirm Password field	The password associated with the SSH username.
Monitoring Console Protocol drop-down list	Choose HTTP or HTTPS protocol.
Monitoring Console Port Number field	Enter the port number. Enter an integer between 1024 and 65535.
Splunk Manager Password field	The password associated with the Splunk Enterprise.
Confirm Password field	The password associated with the Splunk Enterprise.

Step 5 Click **Submit**.

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

Name	Description
Edit	Allows you to edit a Splunk account.
Delete	Deletes a Splunk 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 a bare metal server. Roll back is not supported for a derived cluster account.
Launch Splunk DMC	Allows you to launch the Splunk Enterprise from Cisco UCS Director Express for Big Data.
View Details	Provides details of a Splunk account.
Run Inventory	Collects the inventory of the Splunk cluster for the selected Splunk account and establishes data in the Cisco UCS Director Express for Big Data database.
Modify Credentials	Allows you to modify the SSH, admin Console credentials, and monitoring console protocol and port details for a Splunk account.

Running a Cluster Inventory for a Splunk Account

With each new Splunk Account, a new system task (inventory collector) is created. Navigate to the Big Data Tasks folder here: **Administration > System > System Tasks**. The system task collects the inventory of the Splunk cluster for the selected Splunk Account and establishes data in the Cisco UCS Director database. This collector adds to the system scheduler so that it 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 **Splunk Accounts**.
 - Step 3** Choose the Splunk Account for which you want to run the inventory.
 - Step 4** Click **Run Inventory**.
 - Step 5** Click **Submit**.
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Rolling Back a Cluster for a Splunk Account

You can roll back a 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 **Splunk Accounts**.
 - Step 3** Choose the Splunk 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 Splunk Enterprise Monitoring Console User Interface from Cisco UCS Director Express for Big Data

You can access the Splunk Enterprise user Interface from Cisco UCS Director Express for Big Data. On the menu bar, choose **Solutions > Big Data > Accounts**, and then click **Splunk Accounts**. You can launch the Splunk Enterprise user interface in supported browsers by clicking the **Launch Splunk DMC**.

