



# Licenses for Cisco UCS Director Express for Big Data

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This chapter contains the following sections:

- [About Licenses, on page 1](#)
- [Fulfilling the Product Access Key, on page 1](#)
- [Updating the License, on page 2](#)
- [Standard License Features, on page 3](#)

## About Licenses

You must obtain a license to use Cisco UCS Director Express for Big Data, as follows:

1. Before you install Cisco UCS Director Express for Big Data, generate the Cisco UCS Director Express for Big Data license key and claim a certificate (Product Access Key).
2. Register the Product Access Key (PAK) on the Cisco software license site, as described in [Fulfilling the Product Access Key, on page 1](#).
3. After you install Cisco UCS Director Express for Big Data, update the license in Cisco UCS Director Express for Big Data as described in [Updating the License, on page 2](#).
4. After the license has been validated, you can start to use Cisco UCS Director Express for Big Data.

## Fulfilling the Product Access Key

### Before you begin

You need the PAK number.

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- Step 1** Navigate to the [Cisco Software License website](#).
- Step 2** If you are directed to the Product License Registration page, you can take the training or click **Continue to Product License Registration**.
- Step 3** On the Product License Registration page, click **Get New Licenses from a PAK or Token**.

**Step 4** In the **Enter a Single PAK or TOKEN to Fulfill** field, enter the PAK number.

**Step 5** Click **Fulfill Single PAK/TOKEN**.

**Step 6** Complete the additional fields in **License Information** to register your PAK:

Name	Description
Organization Name	The organization name.
Site Contact Name	The site contact name.
Street Address	The street address of the organization.
City or Town	The city or town.
State or Province	The state or province.
Zip or Postal Code	The zip code or postal code.
Country	The country name.

**Step 7** Click **Issue Key**.

The features for your license appear, and you receive an email with the Digital License Agreement and a zipped license file.

## Updating the License

### Before you begin

If you received a zipped license file by an email, extract and save the license (.lic) file to your local machine.

**Step 1** Choose **Administration > License**.

**Step 2** On the **License** page, click **License Keys**.

**Step 3** Click **Update License**.

**Step 4** On the **Update License** screen, do the following:

- a) Drop the .lic file from your local system or click **Select a File** and navigate to the location where you stored the .lic file.

To enter license text instead of file upload, check the **Enter License Text** checkbox and enter the license text in the **License Text** field.

- b) Click **Submit**.

The license file is processed, and a message appears confirming the successful update.

## Standard License Features

The following table lists the features supported for the standard licenses:

Features	Standard License
Operating system and Hadoop software installation	X
Server, Network, and Storage provisioning	X
On-demand cluster creation and expansion	X
Customized cluster creation	X
Automated cluster node addition and deletion	X
Add pre-existing Hadoop nodes	X
Start and stop cluster services	X
Start, stop, and restart Cluster	X
Dashboard for health and status monitoring	X
Support for latest Cloudera, MapR, and Hortonworks releases	X
Monitoring Storage and Network utilization	X
Monitoring Top Active and Long Running Jobs	X
On-Demand inventory collection	X
DIMM, Disk, Node, and Service Failure Alerts	X
Capacity Planning Alerts	X
HDFS rebalancing	X
LDAP integration	X
Hadoop parameter configuration	X
Globalization and localization Support	X
Cusotmizable workflows	X
North Bound REST API support	X
Cluster configuration consistency checks	X
Cluster performance analysis	X
Historical performance analysis	X

Features	Standard License
Automated install and setup of new Hadoop services	X
Automated Hadoop version upgrade	X
Role-Based Access Control (RBAC)	X
Approval workflows	X