



# Licenses for Cisco UCS Director Express for Big Data

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## 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 2](#).
- 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 3](#).
- 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/Town	The city or town.
State/Province	The state or province.
Zip/Postal Code	The zip code or postal code.
Country	The country name.

- Step 7** Click **Issue Key**.  
The features for your license appear, and an email with the Digital License Agreement and a zipped license file is sent to the email address you provided.
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# Updating the License

## Before You Begin

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

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

**Step 2** Click on the **License Keys** tab.

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

**Step 4** In the **Update License** dialog box, do the following:

- To upload a .lic file, click **Browse** to the base license's .lic file and select the .lic file, then click **Upload**.

**Step 5** Click **Submit**.

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

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## Standard and Premium License Features

You must update appropriate licenses to use Cisco UCS Director Express for Big Data features:

- Standard
- Premium

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

Features	Standard License	Premium License
Operating system and Hadoop software installation	X	X
Server, Network, and Storage provisioning	X	X
On-demand cluster creation and expansion	X	X
Customized cluster creation	X	X
Automated cluster node addition and deletion	X	X
Add pre-existing Hadoop nodes	X	X
Start and stop cluster services	X	X
Start, stop, and restart Cluster	X	X
Dashboard for health and status monitoring	X	X

Features	Standard License	Premium License
Support for latest Cloudera, MapR, and Hortonworks releases	X	X
Monitoring Storage and Network utilization	X	X
Monitoring Top Active and Long Running Jobs	X	X
On-Demand inventory collection	X	X
DIMM, Disk, Node, and Service Failure Alerts	X	X
Capacity Planning Alerts	X	X
Hadoop re-balancing	X	X
LDAP integration	X	X
Hadoop parameter configuration	X	X
Globalization and localization Support	X	X
Cusotmizable workflows	X	X
North Bound REST API support	X	X
Cluster configuration consistency checks		X
Cluster performance analysis		X
Historical performance analysis		X
Automated install and setup of new Hadoop services		X
Automated Hadoop version upgrade		X
Role-Based Access Control (RBAC)		X
Approval workflows		X