



Cisco Intercloud Fabric Licenses

This chapter contains the following sections:

- [About Cisco Intercloud Fabric Licensing, page 1](#)
- [Licensing Requirements, page 2](#)
- [Fulfilling the Product Access Key, page 2](#)
- [Uploading a License File, page 2](#)
- [Managing Licenses, page 3](#)

About Cisco Intercloud Fabric Licensing

A Cisco Intercloud Fabric license is based on hybrid cloud units (HCUs). An HCU is consumed for every virtual machine running in the public cloud. A powered-off VM does not consume any HCUs.

For Amazon Web Services and Microsoft Azure, two HCUs are checked out per virtual machine. For example, if the HCU count is ten, then five VMs can run in the public cloud. For Cisco-powered providers, one HCU is checked out per virtual machine. For example, if the HCU count is ten, then ten VMs can run in the public cloud.

Cisco Intercloud Fabric includes the following types of licenses:

- **Evaluation License (ICFB-EVAL-EBD)**—Cisco Intercloud Fabric includes a 60-day evaluation license that lets you try the software before you purchase permanent licenses. The evaluation period starts when you install the software and the evaluation licenses expire within 60 days of installation.
- **Permanent License (ICFB-CPC)**—Permanent licenses have an expiration date. The license file specifies the number of licenses that you purchased. Contact your Cisco sales representative to purchase permanent licenses.
- **Partner License (ICFB-NFR-EBD)**—Partner (not for resale) licenses are available only to Cisco partners for demo and lab purposes. Partner licenses have an expiration date. The license file specifies the number of licenses that you purchased. Contact your Cisco sales representative to purchase partner licenses.

Licensing Requirements

Use this procedure to obtain a Cisco Intercloud Fabric license.

Procedure

- Step 1** Before you install Intercloud Fabric, generate the Intercloud Fabric license key and claim a certificate (Product Access Key [PAK]).
 - Step 2** Register the PAK on the Cisco software license site.
See [Fulfilling the Product Access Key](#), on page 2.
 - Step 3** After you install Intercloud Fabric, upload the license in Intercloud Fabric.
See [Uploading a License File](#), on page 2.
 - Step 4** Check the status of the licenses.
See [Managing Licenses](#), on page 3.
-

Fulfilling the Product Access Key

Before You Begin

Obtain the PAK number.

Procedure

- 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.
 - Step 7** Click **Issue Key**.
The features for your license appear, and a digital license agreement and a zipped license file are sent to the email address you provided.
-

Uploading a License File

Use this procedure to upload a license file.

Before You Begin

- If you received a zipped license file by email, extract and save the `.lic` file to your local machine.
- Register the PAK on the Cisco software license site.

Procedure

-
- Step 1** Log in to Intercloud Fabric.
- Step 2** Choose **Dashboard > Common Tasks > Upload License File**.
- Step 3** Click **Browse**, navigate to and select the Intercloud Fabric `.lic` file, and click **Upload**. After the license file is successfully processed, you receive a confirmation message.
- Step 4** (Optional) To view the license status, see [Managing Licenses](#), on page 3.
-




Managing Licenses

Use this procedure to manage Intercloud Fabric licenses. See [About Cisco Intercloud Fabric Licensing](#), on page 1 for more information.

Procedure

-
- Step 1** Log in to Intercloud Fabric.
- Step 2** Choose **Administration > ICF Licenses**.
The license details are displayed. If the system uses more HCUs than are available, you must either upload a new license or suspend one or more virtual machines in the cloud to comply with the license agreement. To purchase additional licenses, contact your Cisco sales representative.

The following icons display the license status:

	The license is active.
	The license is inactive.
	The license has expired.

- Step 3** (Optional) Click the + icon to upload a new license.
- Step 4** Click **Browse**, navigate to and select the Intercloud Fabric `.lic` file, and click **Upload**. After the license file is successfully processed, you receive a confirmation message.
-

