



Downloading the Firmware Image

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Obtaining the Cisco UCS Release 1.1(1) Image Bundle from Cisco

Procedure

- Step 1** In a web browser, navigate to <http://www.cisco.com>.
- Step 2** Under **Support**, click **Download Software**.
- Step 3** Click **Unified Computing**.
- Step 4** Enter your Cisco.com username and password to log in.
- Step 5** Click **Cisco Unified Computing System**.
- Step 6** Click **Unified Computing System (UCS) Complete Software Bundle**.
- Step 7** Under the **Latest Releases** folder, click the link for the latest 1.1(1) release.
The Release 1.1(1) image number is subject to change as a result of further maintenance releases and may include a different letter.
- Step 8** Click the Release Notes link to download the latest version of the Release Notes.
- Step 9** Click one of the following buttons and follow the instructions provided:
 - **Download Now**—Allows you to download the firmware image immediately

- **Add to Cart**—Adds the firmware image to your cart to be downloaded at a later time

Step 10 Follow the prompts to complete your download of the image.

Step 11 Read the Release Notes before upgrading Cisco UCS.

What to Do Next

Download the firmware image to the fabric interconnect.

Downloading Images to the Fabric Interconnect



Note

In a cluster setup, the firmware image is downloaded to both fabric interconnects, regardless of which fabric interconnect is used to initiate the download. Cisco UCS Manager always keeps the images in both fabric interconnects in sync. If one fabric interconnect is down, the download still finishes successfully. The images are synced to the other fabric interconnect when it comes back online.

Before You Begin

Obtain the firmware images from Cisco.

Procedure

Step 1 In the **Navigation** pane, click the **Equipment** tab.

Step 2 Click the **Equipment** node.

Step 3 In the **Work** pane, click the **Firmware Management** tab.

Step 4 Click the **Installed Firmware** tab.

Step 5 Click **Download Firmware**.

Step 6 In the **Download Firmware** dialog box, complete the following fields:

| Name | Description |
|----------------|--|
| Protocol field | <p>The protocol to use when communicating with the remote server. This can be:</p> <ul style="list-style-type: none"> • FTP • TFTP • SCP • SFTP <p>Note TFTP has a file size limitation of 32 MB. Because firmware bundles can be much larger than that, we recommend that you do not select TFTP for firmware downloads.</p> |

| Name | Description |
|--------------------------|---|
| Server field | The IP address or hostname of the remote server on which the files resides. Note If you use a hostname rather than an IP address, you must configure a DNS server in Cisco UCS Manager. |
| Filename field | The name of the firmware executable you want to download. |
| Remote Path field | The absolute path to the file on the remote server, if required. If you use SCP, the absolute path is always required. If you use any other protocol, you may not need to specify a remote path if the file resides in the default download folder. For details about how your file server is configured, contact your system administrator. |
| User field | The username the system should use to log in to the remote server. This field does not apply if the protocol is TFTP. |
| Password field | The password for the remote server username. This field does not apply if the protocol is TFTP. |

Cisco UCS Manager GUI begins downloading the firmware bundle to the fabric interconnect.

Step 7 Click **OK**.

Step 8 (Optional) Monitor the status of the image download on the **Download Tasks** tab.

Note If Cisco UCS Manager reports that the bootflash is out of space, delete obsolete images to free up space. To view the available space in bootflash, navigate to the fabric interconnect on the **Equipment** tab and expand the **Local Storage Information** area on the **General** tab.

What to Do Next

Update the firmware on the endpoints.

Determining the Contents of a Firmware Package

Procedure

Step 1 In the **Navigation** pane, click the **Equipment** tab.

Step 2 Click the **Equipment** node.

Step 3 In the **Work** pane, click the **Firmware Management** tab.

Step 4 On the **Packages** subtab, click the + icon next to a package to view its contents.

Step 5 To take a snapshot of the package contents, do the following:

- a) Highlight the rows that include the image name and its contents.
- b) Right-click and choose **Copy**.
- c) Paste the contents of your clipboard into a text file or other document.

Canceling an Image Download

You can cancel an image download only while it is in progress. After the image has downloaded, deleting the download task does not delete the image that was downloaded.

Procedure

- Step 1** In the **Navigation** pane, click the **Equipment** tab.
 - Step 2** Expand the **Equipment** node.
 - Step 3** In the **Work** pane, select the **Firmware Management** tab.
 - Step 4** On the **Download Tasks** tab, right-click the task you want to cancel and select **Delete**.
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Checking the Available Space on a Fabric Interconnect

If an image download fails, check whether the bootflash on the fabric interconnect or fabric interconnects in the Cisco UCS has sufficient available space.

Procedure

- Step 1** In the **Navigation** pane, click the **Equipment** tab.
 - Step 2** On the **Equipment** tab, expand **Equipment** ► **Fabric Interconnects**.
 - Step 3** Click the fabric interconnect on which you want to check the available space.
 - Step 4** In the **Work** pane, click the **General** tab.
 - Step 5** Expand the **Local Storage Information** area.
When you download a firmware image bundle, a fabric interconnect needs at least twice as much available space as the size of the firmware image bundle. If the bootflash does not have sufficient space, delete the obsolete firmware, core files, and other unneeded objects from the fabric interconnect.
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Deleting Firmware from a Fabric Interconnect

You cannot delete firmware packages from the **Packages** tab. Cisco UCS Manager removes the packages after you have deleted all images in the package.

Before You Begin

We recommend that you determine the contents of a firmware package before you delete the package and its contents.

Procedure

- Step 1** In the **Navigation** pane, click the **Equipment** tab.
 - Step 2** On the **Equipment** tab, click the **Equipment** node.
 - Step 3** In the **Work** pane, click the **Firmware Management** tab.
 - Step 4** On the **Firmware Management** tab, click the **Images** tab.
 - Step 5** In the table, click the image that you want to delete.
You can use the Shift key or Ctrl key to select multiple entries.
 - Step 6** Right-click the highlighted image or images and choose **Delete**.
 - Step 7** If Cisco UCS Manager displays a confirmation dialog box, click **Yes**.
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