



Installing Cisco Fog Director

This chapter describes how to install Cisco Fog Director. It includes these sections:

- [Installation, page 2-1](#)
- [DHCP Configuration, page 2-4](#)

Installation

The following sections describes how to install the Cisco Fog Director OVA file on a virtual machine (VM).

- [System Requirements, page 2-1](#)
- [Installation in VMware vSphere, page 2-1](#)
- [Installation in VMware Player, page 2-2](#)
- [Installation in VMWare Fusion, page 2-3](#)

System Requirements

The VM host on which you install must meet the following minimum requirements:

- 4 core CPU
- 6 GB RAM
- 100 GB hard disk

Installation in VMware vSphere

To install Cisco Fog Director in VMware vSphere Hypervisor, perform the following steps.

Before You Begin

- Review the information in the [“System Requirements” section on page 2-1](#).
- Make sure that you have a valid Cisco.com user ID and password, which are required to obtain the VM OVA image for installation.

Procedure

- Step 1** From a client PC, take these actions to obtain the VM OVA image:
- a. Go to the following URL and click the **IOx Fog Director Software** link in the Select a Software Type box:
<https://software.cisco.com/download/type.html?mdfid=286290097&catid=null>
 - b. Click the **Download** button that corresponds to the .ova file that you want.
 - c. Follow the on-screen instructions to download the file to your local drive.
- Step 2** From a client PC, use the VMware vSphere Hypervisor client application to log in to your VMWare host.
- Step 3** Choose **File > Deploy OVF Template**.
The Deploy OVF Template Wizard starts.
- Step 4** In the Deploy OVF Template Wizard, take these actions:
- a. In the Deploy OVF Template window, locate to and select the Fog Director OVF template that you downloaded in [Step 1](#), and then click **Next**.
 - b. In the OVF Template Details window, click **Next**.
 - c. In the Name and Location window Inventory Location area, choose the VM host on which to install the OVA file, and then click **Next**.
 - d. In the Datastore window, click the datastore in which to store the VM files, and then click **Next**.
 - e. In the Host / Cluster window, click **Next**.
 - f. In the Specify a Specific Host window, click **Next**.
 - g. In the Disk Format window, click **Next**.
 - h. In the Network Mapping window, click **Next**.
 - i. (Optional) In the Ready to Complete window, if DHCP is configured in your environment and you want Cisco Fog Director to start automatically when the installation completes, check the **Power on after deployment** check box.
 - j. In the Ready to Complete window, click **Finish**.
- Step 5** When the Deployment Completed Successfully window appears, click **Close** in that window.
The installation is completes. If needed, configure a static IP address as described in the [“DHCP Configuration” section on page 2-4](#) before you start Cisco Fog Director.
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Installation in VMware Player

To install Cisco Fog Director in VMware Player, perform the following steps.

Before You Begin

- Review the information in the [“System Requirements” section on page 2-1](#).
- Make sure that you have a valid Cisco.com user ID and password, which are required to obtain the VM OVA image for installation.

Procedure

- Step 1** From a client PC, take these actions to obtain the VM OVA image.:
- Go to the following URL and click the **IOx Fog Director Software** link in the Select a Software Type box:
<https://software.cisco.com/download/type.html?mdfid=286290097&catid=null>
 - Click the **Download** button that corresponds to the .ova file that you want.
 - Follow the on-screen instructions to download the file to your local drive.
- Step 2** From a client PC, use the VMware Player client application to log in to your VMWare host.
- Step 3** In the right side of the Welcome window, click **Open a Virtual Machine**.
- Step 4** Follow the on-screen prompts to locate and select the he Fog Director OVF template that you downloaded in [Step 1](#).
- Step 5** In the Import Virtual Machine dialog box, click the **Import** button.
- The installation completes. If needed, configure a static IP address as described in the [“DHCP Configuration” section on page 2-4](#) before you start Cisco Fog Director.
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Installation in VMWare Fusion

To install Cisco Fog Director in VMware Fusion, perform the following steps.

Before You Begin

- Review the information in the [“System Requirements” section on page 2-1](#).
- Make sure that you have a valid Cisco.com user ID and password, which are required to obtain the VM OVA image for installation.

Procedure

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- Step 1** From a client PC, take these actions to obtain the VM OVA image.:
- Go to the following URL and click the **IOx Fog Director Software** link in the Select a Software Type box:
<https://software.cisco.com/download/type.html?mdfid=286290097&catid=null>
 - Click the **Download** button that corresponds to the .ova file that you want.
 - Follow the on-screen instructions to download the file to your local drive.
- Step 2** From the File menu, choose **Import**.
- Step 3** In the Choose an Existing Virtual Machine dialog box, click **Choose File** and follow the on-screen prompts to locate and select the he Fog Director OVF template that you downloaded in [Step 1](#).
- Step 4** In the Choose an Existing Virtual Machine dialog box, click **Choose File** button.
- The installation completes. If needed, configure a static IP address as described in the [“DHCP Configuration” section on page 2-4](#) before you start Cisco Fog Director.
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DHCP Configuration

By default, Cisco Fog Director fetches an IP address from your DHCP server when it starts. If your environment does not support DHCP, you can configure a static IP address for Cisco Fog Director.

To configure a static IP address, follow these steps:

Procedure

Step 1 From a VMware console, to log in to the VM on which you installed Cisco Fog Director.

Use the following log in credentials:

- Username—**fogdir**
- Password—**fogdir**

Step 2 Use the **sudo vi** command to open the `/etc/network/interfaces` file.

Step 3 In the interfaces file, update the following fields as needed:

- address
- netmask
- gateway
- dns-nameservers

The following shows an example of the interfaces file:

```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
auto eth0
iface eth0 inet static
address <ip address>
netmask <subnet mask>
gateway <gateway ip address>
dns-nameservers <name server add 1> <name server add 2> <name server add 3> //optional
```

Step 4 Save the interfaces file and reboot the VM.
