Installing Cisco Fog Director

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

Installation

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

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 this URL:

https://software.cisco.com/download/release.html?i=!y&mdfid=286290097&softwareid=286306227&release=1.0.0&os=

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 DCHP 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.

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.:

a. Go to this URL:

https://software.cisco.com/download/release.html?i=!y&mdfid=286290097&softwareid=286306227&release=1.0.0&os=

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 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.

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

Step 1 From a client PC, take these actions to obtain the VM OVA image.:

a. Go to this URL:

https://software.cisco.com/download/release.html?i=!y&mdfid=286290097&softwareid=286306227&release=1.0.0&os=

b. Click the **Download** button that corresponds to the .ova file that you want.

Step 2 Follow the on-screen instructions to download the file to your local drive.

Step 3 From the File menu, choose **Import**.

Step 4 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 5 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.

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.