



Deploy Cisco IoT FND on an OVA for Cisco IoT FND Release 5.x.x and Later Releases

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Deploy Cisco IoT FND on an OVA

Here are the instructions to install Cisco IoT FND Release 5.x.x or later releases with an Open Virtual Appliance (OVA) software running VMware ESXi versions 7.x or 8.0 versions.



Note For an overview of the features and functionality of the Cisco IoT FND application and details on how to configure features and manage the Cisco IoT Field Network Director after its installation, refer to [Cisco IoT Field Network Director User Guide, Release 5.0](#).

Install VMware ESXi 7.x and 8.0 versions on a server

This topic helps you in installing VMware ESXi version 7.x and 8.0 on a server, before deploying Cisco IoT FND 5.x.x OVA in the ESXi server.

Follow the steps for installing and setting up ESXi server running 7.x and 8.0 versions, before importing Cisco IoT FND OVA into ESXi server.

Before you begin

- Log in to the IP address of a VMware ESXi server running 7.x and 8.0 versions via a web browser with your user credentials.
- Ensure that you meet the VMware server requirements including the VM CPU and memory requirements as listed in the table.

Table 1: VMware ESXi Server Requirements

VMware ESXi Server 7.x Version	VMware ESXi Server 8.0 Version
32 GB memory,	32 GB memory,
4 vCPUs,	4 vCPUs,
Hard disk: 450 GB.	Hard disk: 450 GB.

Procedure

- Step 1**
- For more information, see [Installing and Setting Up ESXi](#) for 7.x version and see [Installing and Setting Up ESXi](#) for 8.0 version.
- Step 2**
- For deploying OVA, see [Deploy an OVF or OVA Template for 7.x ESXi](#) and see [Deploy an OVF or OVA Template for 8.0 ESXi](#).

Note

- In the **Select OVF and VMDK files** tab, enter a name for the VM and search for an OVF package which is available on the internet or as a file accessible from your computer (for example, `iot-fnd-5.0.0-40.ova`) and then click **Next**.

- For the upload to be successful, cancel the upload and disconnect ESXi from the vCenter server using **Actions > Disconnect from vCenter Server** and then re-upload OVA, if you see the following warning message while deploying:

```
Failed: Access to resource settings on the host is restricted to the server that is managing it  
'vCenter Server IP'
```

- Once the installation and deployment of the VM is complete, select the newly deployed VM from the left pane and then choose the **Cisco IoT FND** machine name.

This completes the installation and deployment of the VM.

What to do next

See [Access Cisco IoT FND using RHEL Console](#)

Access Cisco IoT FND using RHEL Console

This topic helps you access the newly deployed Cisco IoT FND 5.x.x using the RHEL console.

Procedure

Step 1 For more information, see [Managing Virtual Machines in the Web Console](#) for RHEL version 7.x and [Managing Virtual Machines in the Web Console](#) for RHEL version 8.0.

Note

- To access the console enter the username and password as given:
 - Username: root
 - Default Password: C!sco123
- Password must be changed mandatorily after accessing the console.
- If you want to reset the default password, then the following conditions apply:
 - The password must be at least 8 characters in length,
 - The password must have at least 1 uppercase character,
 - The password must have at least 1 lowercase character,
 - The password must have at least 1 special character,
 - The password must have at least 1 digit,
 - The password cannot be the same as any of the previous 5 passwords used.
- After you enter the default password, the prompt for re-setting your password will appear.

Note

Before accessing the root credentials, use the following credentials to access SSH after installing OVA. The existing credentials for username and password are disabled for 4.12 and later releases:

- Username: fnduser
- Password: C!sco123

Step 2 Reset the default root password using the password re-setting option. Once the password reset is complete, Cisco IoT FND 5.x.x deployment is considered complete.

Step 3 For more information on configuring network IPV4 settings, see [Configuring IPv4 Settings](#).

You are able to access Cisco IoT FND using RHEL console successfully.



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