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CHAPTER 5

Installing Cisco MXE 3500 Release 3.1 Software and Configuring User Accounts

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This chapter provides software installation instructions for upgrading from Cisco MXE 3500 Release 3.0 to Release 3.1 on the Cisco MXE 3500 V1 hardware and for completing first-time installation of Cisco MXE 3500 Release 3.1 on the Cisco MXE 3500 V2 hardware.

- [About the Installation DVDs, page 5-2](#)
- [Workflow for Installing the MXE 3500 Resource Manager Software on a Standalone or Resource Manager Device, page 5-2](#)
- [Workflow for Installing the MXE 3500 Resource Node Software on a Resource Node Device, page 5-3](#)
- [Installing the Cisco MXE 3500 Installation DVD Software, page 5-3](#)
- [Installing the Resource Manager Software, page 5-4](#)[Installing the Resource Node Software, page 5-5](#)
- [Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts, page 5-5](#)

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About the Installation DVDs

The following installation DVDs ship with the Cisco MXE 3500:

Installation DVD	Description
Cisco MXE 3500, Installation DVD	<ul style="list-style-type: none"> Installs the common ESXi Hypervisor platform Orchestrates the complete Cisco MXE 3500 software installation
<ul style="list-style-type: none"> Cisco Resource Manager, DVD 1-2 Cisco Resource Manager, DVD 2-2 <p>Note For purposes of this upgrade, a standalone, Cisco MXE 3500 that is not part of a cluster is considered a Resource Manager.</p> <ul style="list-style-type: none"> Cisco Resource Node, DVD 1-2 Cisco Resource Node, DVD 2-2 	Contain the Windows and Linux Virtual machines for Resource Manager installations and scripts for setting up networking between VMs and other features the Hypervisor needs for the Cisco MXE 3500.
Cisco MXE 3500, Configuration DVD	<ul style="list-style-type: none"> First Customer Site Boot Disk Network and Linux User configuration Enables Cisco MXE 3500 to be used without VMware vSphere client

Workflow for Installing the MXE 3500 Resource Manager Software on a Standalone or Resource Manager Device



Warning

If you are configuring Cisco MXE 3500 Release 3.1 as a standalone or Resource Manager device on new Cisco MXE 3500 V2 hardware, proceed to [“Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts”](#) section on page 5-5.

Starting this procedure from [“Installing the Cisco MXE 3500 Installation DVD Software”](#) section on page 5-3 reimages the device and removes factory installation.

These DVDs are required to upgrade Cisco MXE 3500 V1 hardware to run Cisco MXE 3500 Release 3.1 Resource Manager software. Install them in the following order:

	Installation DVD	Resource
Step 1	Cisco MXE 3500 Installation DVD	Installing the Cisco MXE 3500 Installation DVD Software, page 5-3

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—	Installation DVD	Resource
Step 2	Cisco Resource Manager DVD 1-2 Note Use for a standalone or Resource Manager device.	Installing the Resource Manager Software, page 5-4
Step 3	Cisco Resource Manager DVD 2-2 Note Use for a standalone or Resource Manager device.	
Step 4	Cisco MXE 3500 Configuration DVD	Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts, page 5-5

Workflow for Installing the MXE 3500 Resource Node Software on a Resource Node Device



Note

A Cisco MXE 3500 that is part of a cluster and that a Resource Manager controls via ECS is considered a Resource Node.



Warning

If you are configuring Cisco MXE 3500 Release 3.1 as a Resource Node on new Cisco MXE 3500 V2 hardware, proceed to [“Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts”](#) section on page 5-5.

Starting this procedure from [“Installing the Cisco MXE 3500 Installation DVD Software”](#) section on page 5-3 reimages the device and removes factory installation.

These DVDs are required to upgrade Cisco MXE 3500 V1 hardware to run Cisco MXE 3500 Release 3.1 Resource Node software. Install them in the following order:

—	Installation DVD	Resource
Step 1	Cisco MXE 3500, Installation DVD	Installing the Cisco MXE 3500 Installation DVD Software, page 5-3
Step 2	Cisco Resource Node DVD 1-2	Installing the Resource Node Software, page 5-5
Step 3	Cisco Resource Nose DVD 2-2	
Step 4	Cisco MXE 3500, Configuration DVD	Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts, page 5-5

Installing the Cisco MXE 3500 Installation DVD Software



Warning

Starting this procedure from Cisco MXE 3500 Installation DVD erases all data on the hard drive.

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Procedure

-
- Step 1** Power on the Cisco MXE 3500 standalone or Resource Manager device by the Power On/Off LED/Button on the front panel.
- Step 2** Quickly insert Cisco MXE 3500 Installation DVD. The following message displays: Cisco Media eXperience Appliance Install Disk.
- Step 3** At the boot prompt, press the Enter key to begin. The installation procedure starts, booting from Cisco MXE 3500 Installation DVD. The following messages display: Starting Installation Stage 2 and then Successfully Mounted. Installation takes approximately 12 minutes to complete.
- Step 4** Upon completion, the Cisco MXE 3500 Installation DVD ejects and the following message displays; Please insert Application Software Disk MXEAPPSW-1.
- Step 5** Proceed to the [“Installing the Resource Manager Software”](#) section on page 5-4.
or
- Step 6** Proceed to the [“Installing the Resource Node Software”](#) section on page 5-5
-

Installing the Resource Manager Software



Note Install the Resource Manager DVD 1-2 and 2-2 software only on either a standalone or Resource Manager device. Resource Nodes require different software. See the [“Installing the Resource Node Software”](#) section on page 5-5.

Procedure

-
- Step 1** Install the Resource Manager DVD 1-2.
- a. Insert the Cisco Resource Manager DVD 1-2. No other action is required; the installation continues. This installation takes approximately 10 minutes to complete.
 - b. After Cisco Resource Manager DVD 1-2, the system prompts you to insert Cisco Resource Manager DVD 2-2.
- Step 2** Install the Resource Manager DVD 2-2.
- a. Insert Cisco Resource Manager DVD 2-2. The installation continues on its own.
 - b. When the installation completes, remove Cisco Resource Manager DVD 2-2. The system powers down.
- Step 3** Proceed to the [“Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts”](#) section on page 5-5.
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Installing the Resource Node Software

**Note**

Use this procedure to install only Resource Node software on a Cisco MXE 3500. A standalone or Resource Manager device requires different software. See the “[Installing the Resource Manager Software](#)” section on page 5-4.

Procedure

-
- Step 1** Install the Resource Node DVD 1-2.
- Insert Cisco Resource Node, DVD 1-2. No other action is required: the install will continue. This installation takes approximately 10 minutes to complete.
 - After Cisco Resource Node, DVD 1-2, the system prompts you to insert Cisco Resource Node, DVD 2-2.
- Step 2** Install the Resource Node DVD 2.
- Insert Cisco Resource Node, DVD 2-2. The install procedure continues on its own.
 - When the installation completes, remove Cisco Resource Node, DVD 2-2 from the machine. The system powers down on its own.
- Step 3** Proceed to the “[Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts](#)” section on page 5-5.
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Installing the Cisco MXE 3500 Configuration DVD Software and Configuring Network Settings and User Accounts

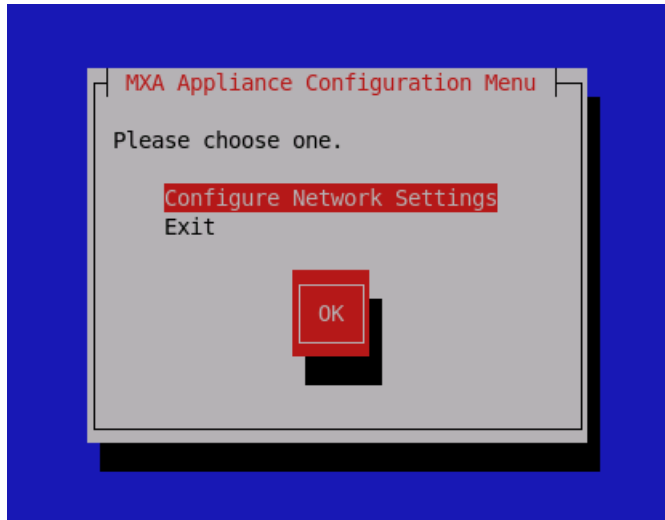
The Cisco MXE 3500, Configuration DVD install procedure lets you configure the network settings and create your user login.

Procedure

-
- Step 1** Power on the Cisco MXE 3500 standalone or Resource Manager device by using the front panel Power On/Off LED/Button.
- Step 2** Quickly insert Cisco MXE 3500, Configuration DVD into the MXE. A prompt presents the following two options: Configure Network Settings and Exit. Exit cancels the process and reboots the appliance by using Cisco MXE 3500, Configuration DVD.

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Figure 5-1 MXE Appliance Configuration Menu



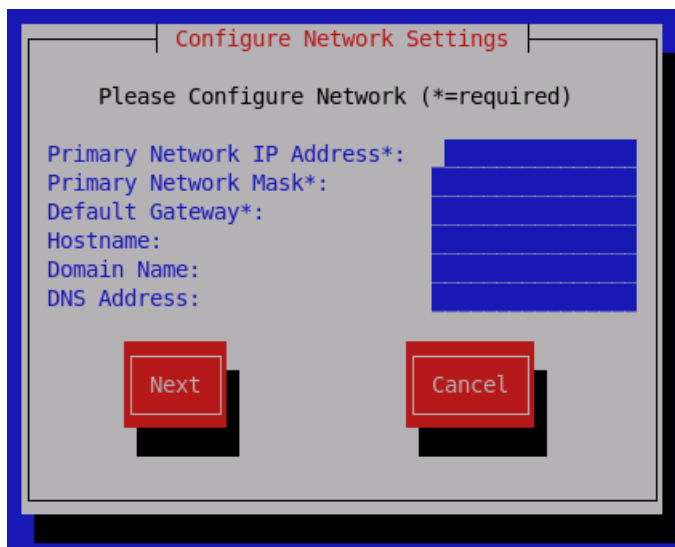
Step 3 Configure Network Settings.

- a. Choose **Configure Network Settings**. The Configure Network Settings screen displays.
- b. Enter configuration information for your deployment. Fields marked with an asterisk (*) are required. The system highlights any information errors.



Note Do not insert the Cisco MXE 3500 Configuration DVD to modify DNS settings. See the “[Modifying DNS After Cisco MXE 3500 Configuration DVD Software Installation](#)” section on page 5-8.

Figure 5-2 Configure Network Settings



- c. Press **Next**. Successful completion of this screen presents the Add User Name and Password screen of figure below.

Step 4 Create a user account.

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Note

The Linux VM uses **admin** as the default username and **C1sco!23** as the default password. We recommend that you create a username other than mxe-user, mxe-service, root, or admin.

- a. Enter a user name and *temporary* password. If the passwords do not match you will see a Password Error popup window. Select **OK** to return to the Add User Name and Password screen and enter the information again.



Note

You will provide a final password when you log in.



Note

Do not insert the Cisco MXE 3500 Configuration DVD to add new users. See the “[Configuring a New User in the Linux VM](#)” section on page 1-33.

Figure 5-3 Add User Name and Password

Add User name and password

Enter information to add a user. Username must start with letter. Passwords must match.

User name: [Redacted]

Password: [Redacted]

Verify Password: [Redacted]

Previous Next

- b. After creating your user account, the Device Type screen displays. There is only one device type: Media eXperience Engine. Select **Next**.

Figure 5-4 Device Type input

Device Type

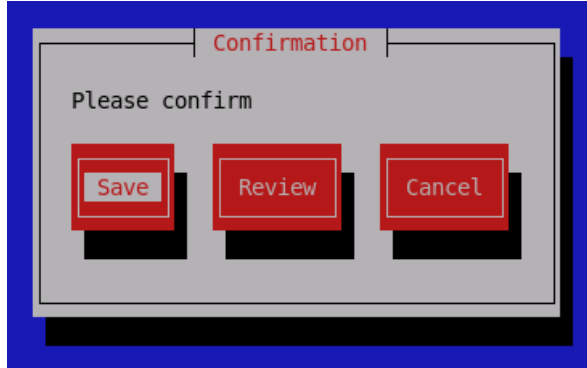
Choose a device type from the list.

Media eXperience Engine

Previous Next

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- c. Select **Save** to confirm. The main menu screen displays. Selecting Review displays the Network Configuration panel.

Figure 5-5 Confirmation Screen

- Step 5** In the main menu, select **Exit**. The DVD ejects and the system reboots.



- Note** During reboot, the configuration changes take effect and the VMs start, and it can take up to 15 minutes for the system to come back up. There is no progress bar or other indication.

Modifying DNS After Cisco MXE 3500 Configuration DVD Software Installation

Use this procedure to change the DNS settings after initial system configuration.

Procedure

- Step 1** SSH into the Linux VM.
- Step 2** su to root.
- Step 3** Navigate to `/opt/cisco/mxe/scripts`.
- Step 4** At the command prompt, run the following command:
`./conf_dns.py 1.2.3.4` where `1.2.3.4` is the IP address