Uploading the Cisco MSE/CMX ISO Image to the Cisco MSE 3365/Cisco CMX 3375

Note Make sure the Serial over Lan (SoL) functionality is enabled on the Cisco Unified Communication System (UCS). To enable SoL on the Cisco UCS server, use the **set enabled yes** command. For more information on enabling SoL, refer to the Cisco UCS documentation on Cisco.com.

Uploading Cisco CMX ISO Image to Cisco CMX 3375 Using Newer CIMC Versions

The Cisco CMX 3375 Appliance requires Cisco CMX Release 10.5.1 or later. Minimal configuration is done for the Cisco CMX as part of installation using the console. For hardware and software installation information, see the Cisco 3375 Appliance for Cisco Connected Mobile Experiences Installation Guide at: https://www.cisco.com/c/en/us/support/wireless/connected-mobile-experiences/products-installation-guides-list.html

Step 1 Download the Cisco CMX 10.5.1 image from Download Software on cisco.com.

Step 2 Power up the Cisco CMX 3375 appliance and configure the CIMC IP Address and user credentials.

Step 3 Log in to CIMC IP using Internert Explorer.

Step 4 In the left pane, click **Menu > Compute > BIOS**.

Step 5 From the **Configured Boot Mode** drop-down list, choose **Legacy**.

Figure 1: BIOS Configured Boot Mode
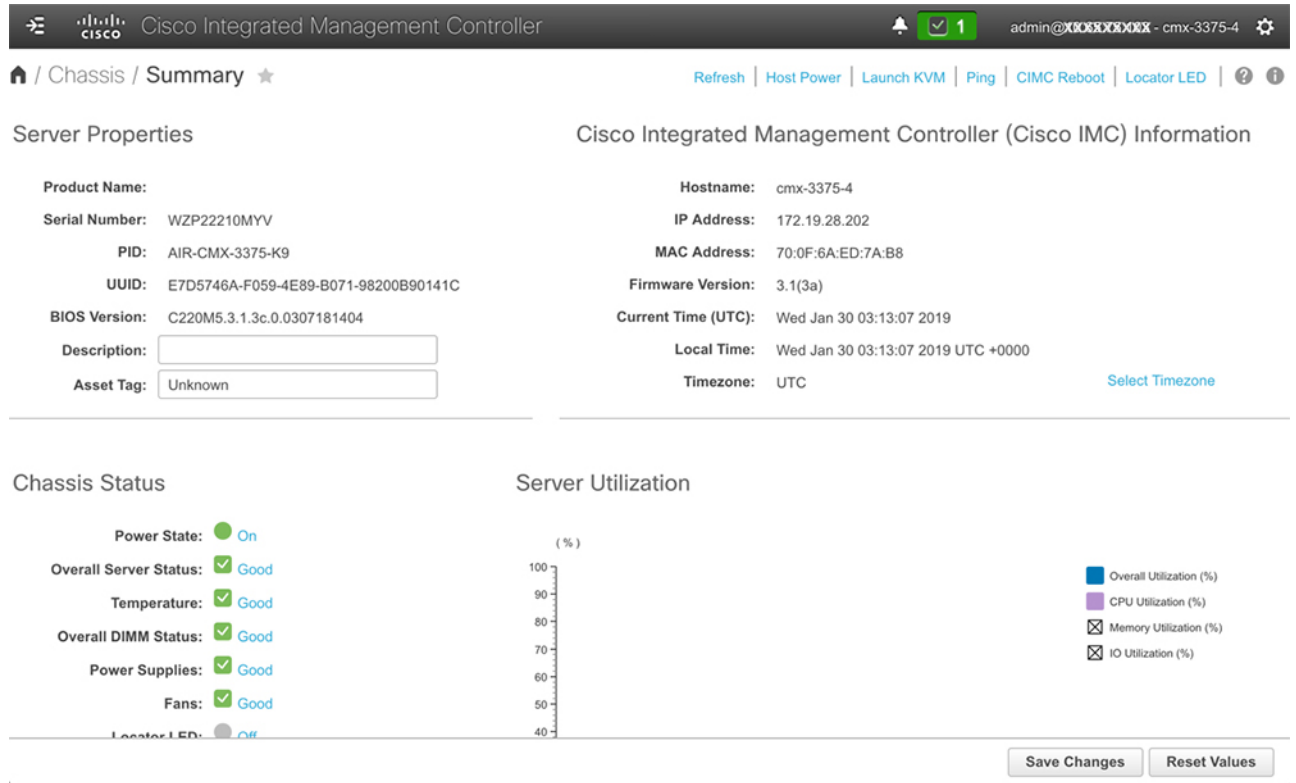
| Step 6	Follow the on screen instruction to reboot the system.
Step 7	Click **Configure Boot Order**.
Step 8	In the **Configure Boot Order** window, click **Advanced** tab.
Step 9	Click **Add Virtual Media**.
Step 10	Enter a name for the new virtual media.
Step 11	From the **Sub Type** drop-down list, choose **KVM MAPPED DVD**.
Step 12	Click **Save Changes**.

The new virtual media is created and enabled.

Step 13	Use IE and open KVM. We recommend that you use JAVA Based KVM on IE or Firefox for more consistent results.
Step 14	Click **Virtual Media > Activate Virtual Devices**.

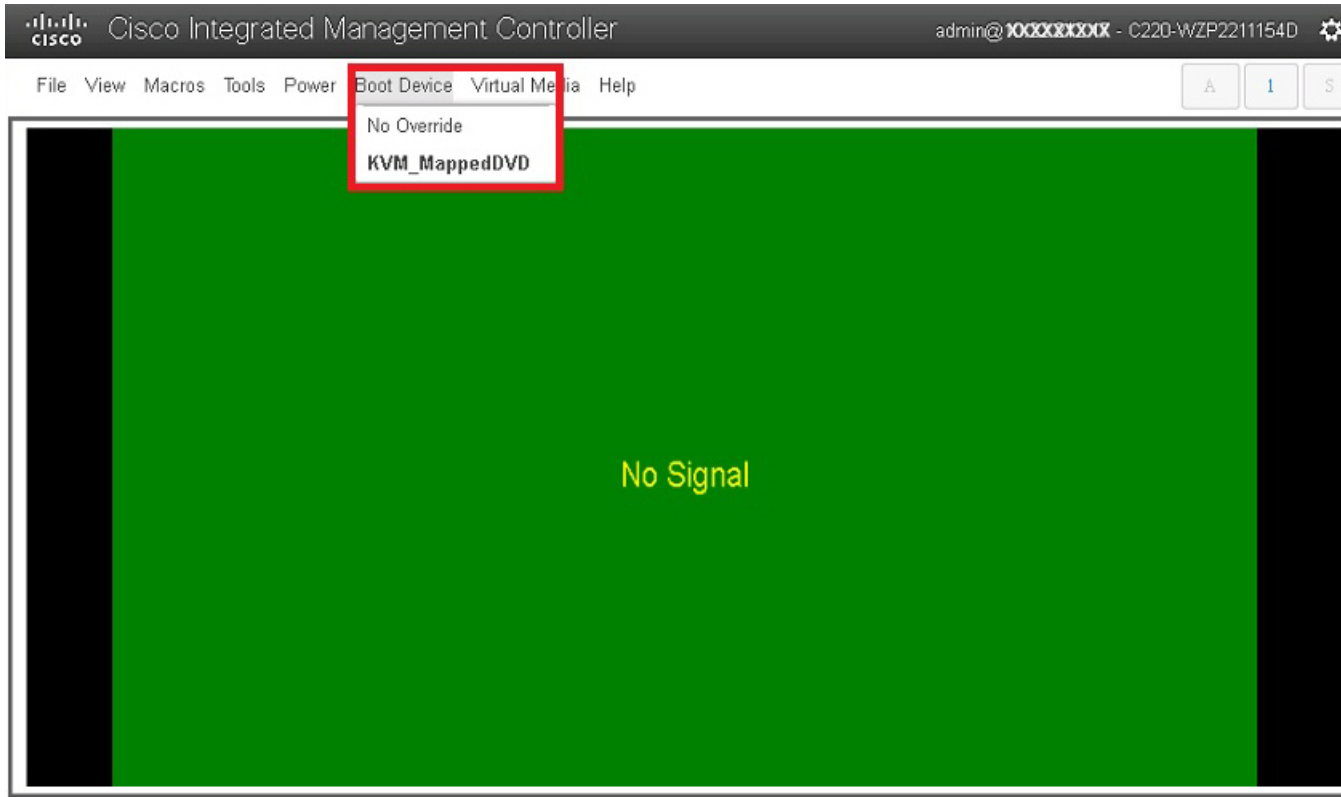*Figure 2: Activate Virtual Devices*
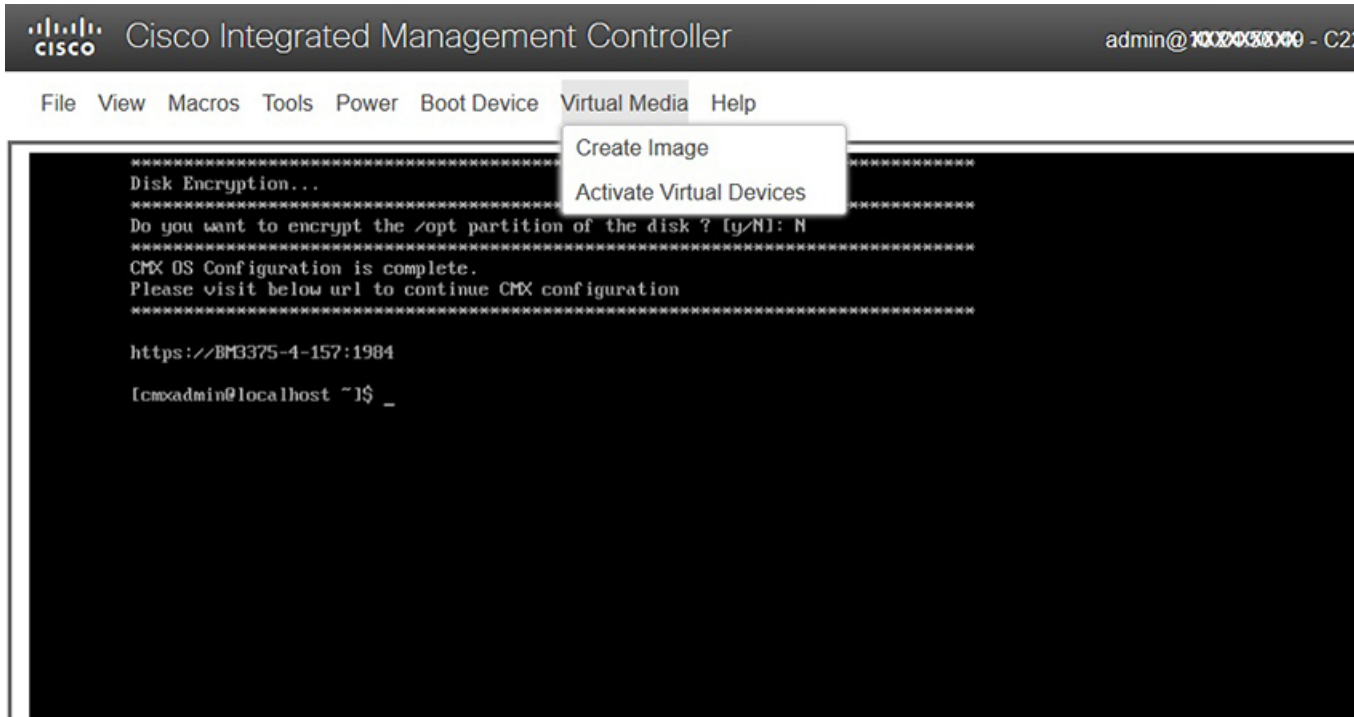
Step 15   Click Map CD/DVD and select image from your local folder.

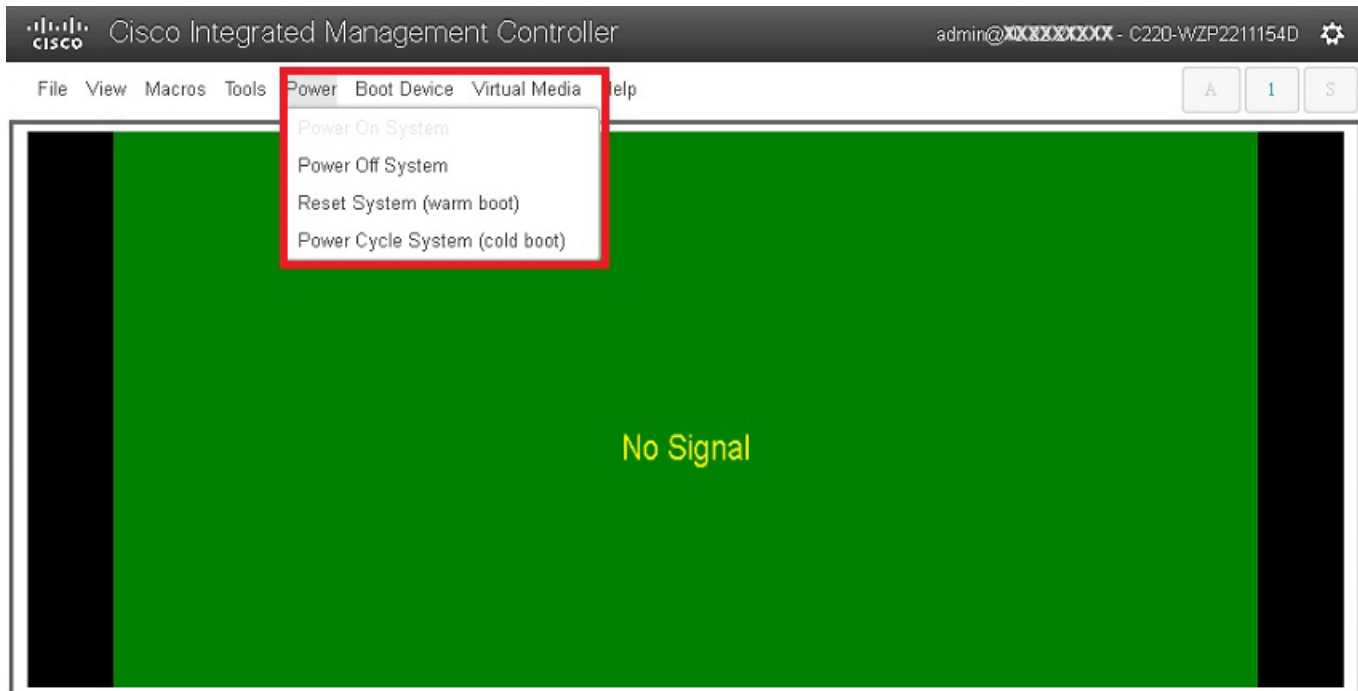*Figure 3: Virtual Media - Cisco CMX*

Step 16   Select the Boot Device the name given in step 10.

Figure 4: Boot Device

Step 17   In the KVM, use the **Power** option to power on the Cisco CMX 3375 Appliance.

Figure 5: Boot Device > Power On System

Step 18   After the appliance is rebooted, press **F6** to enter **Boot Menu**.

Step 19   Select **Cisco vKVM Mapped DVD**.

Step 20   Select **Install using Current Console** as the install method.

Step 21   Click **Proceed with install**. Wait for 20 to 30 minutes for copying CMX file.

The system is rebooted after the file is copied. The system is loaded with Centos 7. Cisco CMX welcome window is displayed.

What to do next

For more information about configuring Cisco CMX, see Configuring Cisco CMX Release 10.5.x and Later.

Uploading the Cisco CMX/MSE ISO Image to the Cisco MSE 3365 Using Newer CIMC Versions

MSE 3365 Software Reset is a process used to load the MSE 3365 with a required image (MSE 8.x, or CMX 10.x). The MSE 3365 is a UCS-based device, and can be accessed through the Cisco Integrated Management Controller (CIMC) interface.

Before you begin

Java Version 1.6.0.14 must be installed on the client machine used to access your MSE 3365 device.

Step 1   Download the Cisco MSE ISO image from the Download Software page on cisco.com.

Step 2   Open a browser, and enter the IP address of your device to log in to to the Cisco Integrated Management Controller (CIMC) GUI interface (Address format is https://x.x.x.x).

Figure 6: Cisco Integrated Management Controller Interface
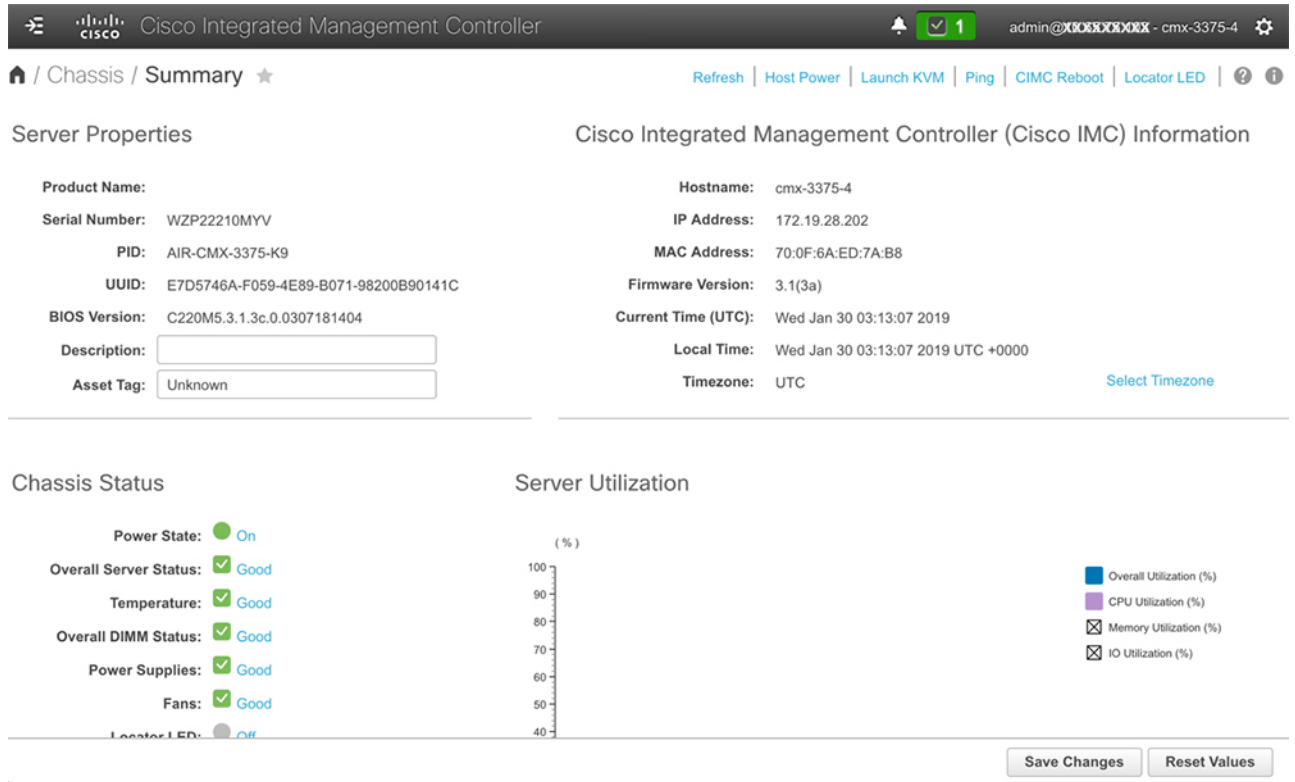
Step 3   Click **Server** and in the **Server Summary** page, click **Launch KVM Console** and click **OK**.
A mini executable file is downloaded.

Step 4   Open the file using javaws.exe from the bin folder of your Java installation. If a security error prevents you from installing the file, add the URL of the CIMC to the list of exception sites, using the steps below.

  a)   Choose **Control Panel > Programs > Java**.

  b)   Choose **Security > Edit Site List > Add** and add the CIMC URL.

  c)   Click **OK**.

The installation is initiated.

Step 5   In the KVM Console window that is displayed after the installation, click the **Virtual Media** tab.

Figure 7: KVM Console
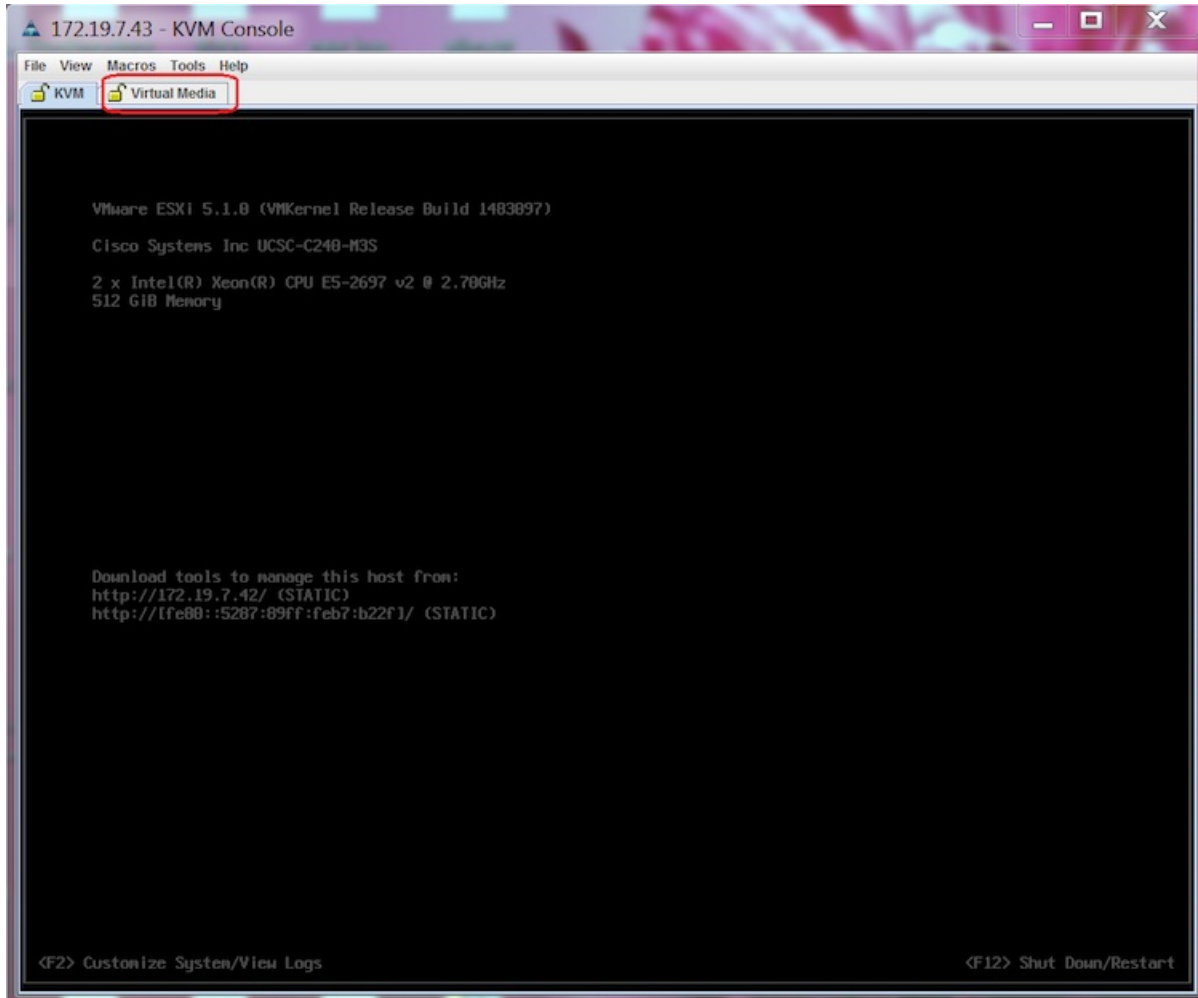
Step 6 In the **Virtual Media** window that is displayed, choose **Activate Virtual Devices > Select "Map CD/DVD**. Browse and select the downloaded MSE image.

Figure 8: ISO Image Selected
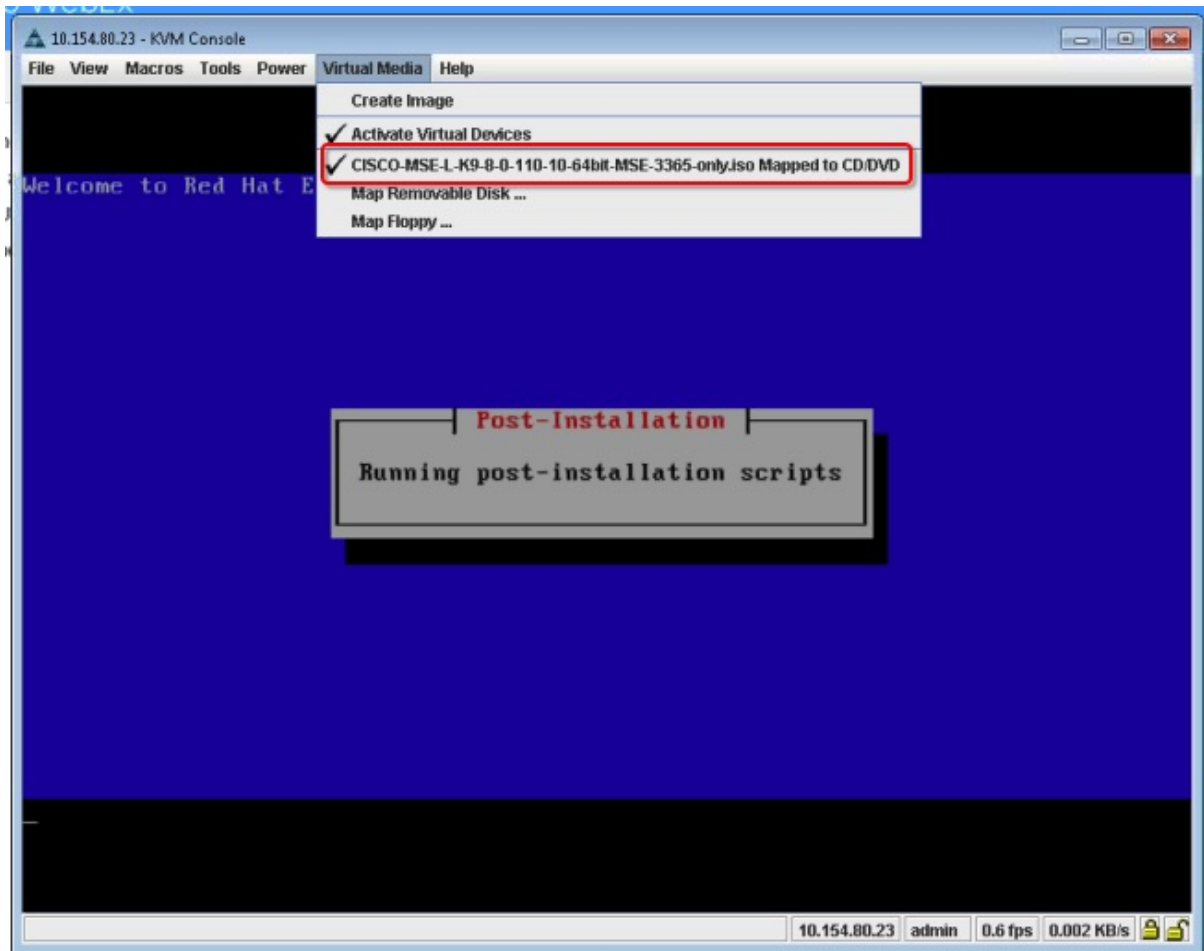
The recovery process begins. The **Select Install Method** window is displayed.

Step 7   In the **Select Install Method** window that is displayed, choose any of the following options:

• Option 1: **Install CMX using Serial**—Respond to the prompt to press ENTER by starting an SSH session to the CIMC interface, as the KVM console does not permit you to press ENTER (With CSCuw32543). Use the following commands to initiate the SSH session:

```
ssh <cimc-ip-address>
connect host
```

You can see that the image is being copied from CDROM. The process can take up to forty-five minutes to copy.

Figure 9: Copying from CDROM

Figure 10: Copying Database Files from CDROM

• Option 2: **Install CMX using current console**—The recovery process is initiated using the current console.

Step 8 Once the image is copied, a silent installation is initiated.

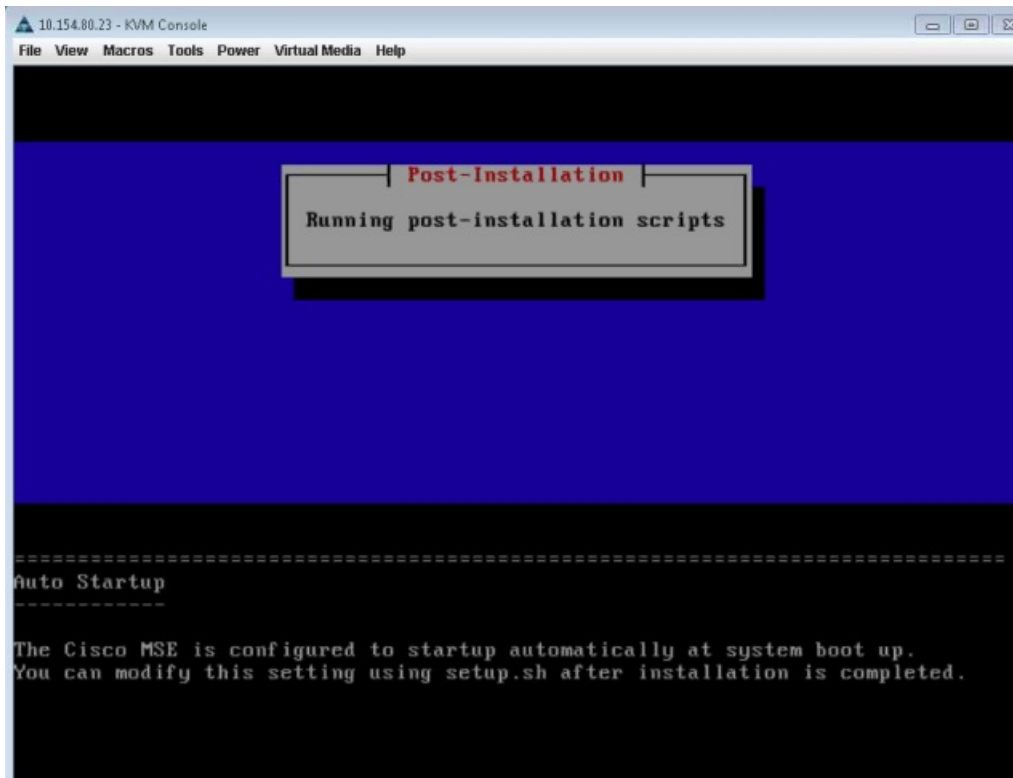*Figure 11: Preparing SILENT Mode Installation*

Figure 12: Running Post-Installation Scripts

Step 9   The device boots up with the newly loaded image. The CD/DVD mapping is automatically unchecked. In case it is checked, uncheck the **Activate Virtual Devices** option, so that the BIOS setting is checked for the image copied on the HDD every time it reboots.

Figure 13: Map CD/DVD
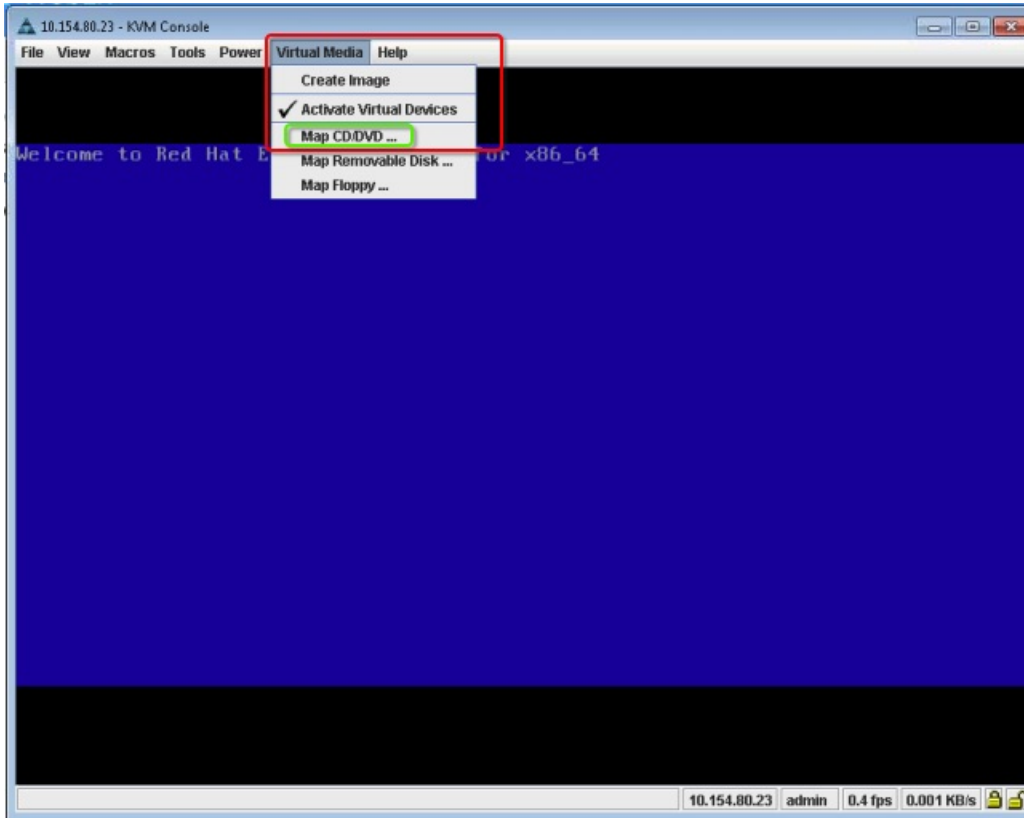
What to do next

For more information about configuring Cisco CMX, see Configuring Cisco CMX Release 10.5.x and Later.

Uploading the Cisco CMX/MSE ISO Image to the Cisco MSE 3365 Using Older CIMC Versions

MSE 3365 Software Reset is a process used to load the MSE 3365 with a required image (MSE 8.x, or CMX 10.x). The MSE 3365 is a UCS-based device, and can be accessed through the Cisco Integrated Management Controller (CIMC) interface.

Before you begin

Java Version 1.6.0.14 must be installed on the client machine used to access your MSE 3365 device.

Step 1   Download the Cisco MSE ISO image from the Download Software page on cisco.com.

Step 2   Open a browser, and enter the IP address of your device to log in to to the Cisco Integrated Management Controller (CIMC) GUI interface (Address format is https://x.x.x.x).

*Figure 14: Cisco Integrated Management Controller Interface*
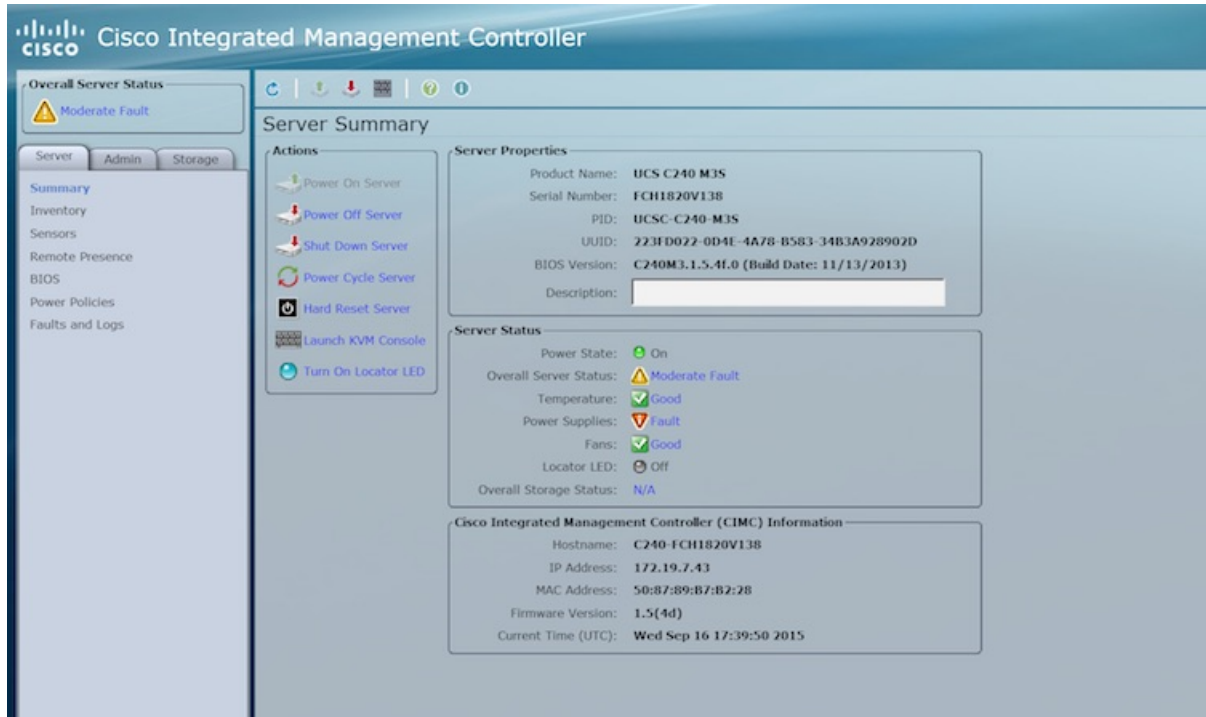
Step 3   Click **Server** and in the **Server Summary** page, click **Launch KVM Console** and click **OK**.
A mini executable file is downloaded.

Step 4   Open the file using javaws.exe from the bin folder of your Java installation. If a security error prevents you from installing the file, add the URL of the CIMC to the list of exception sites, using the steps below.

    a)   Choose **Control Panel > Programs > Java**.

    b)   Choose **Security > Edit Site List > Add** and add the CIMC URL.

    c)   Click **OK**.

    The installation is initiated.

Step 5   In the KVM Console window that is displayed after the installation, click the **Virtual Media** tab.
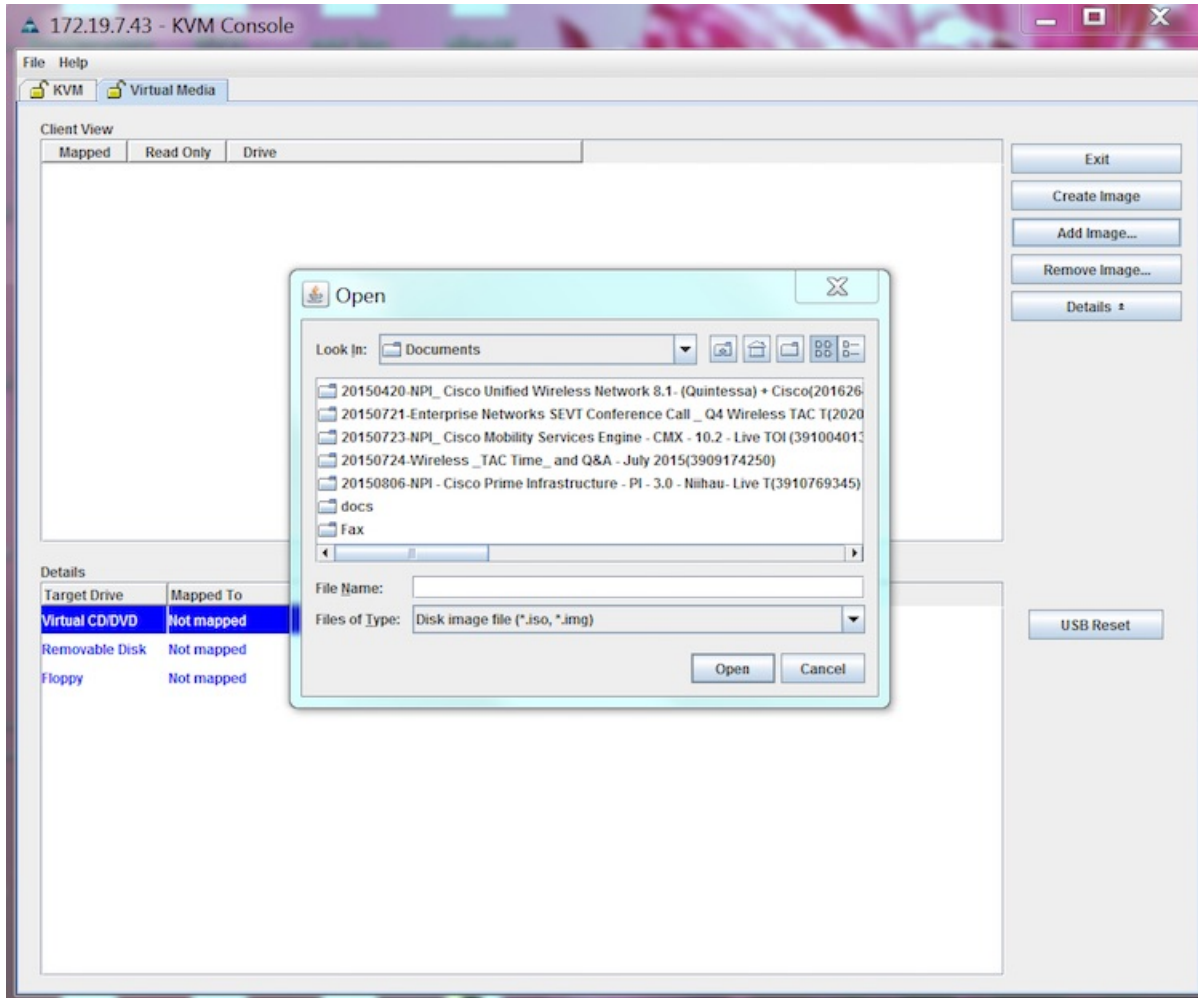
Figure 15: KVM Console
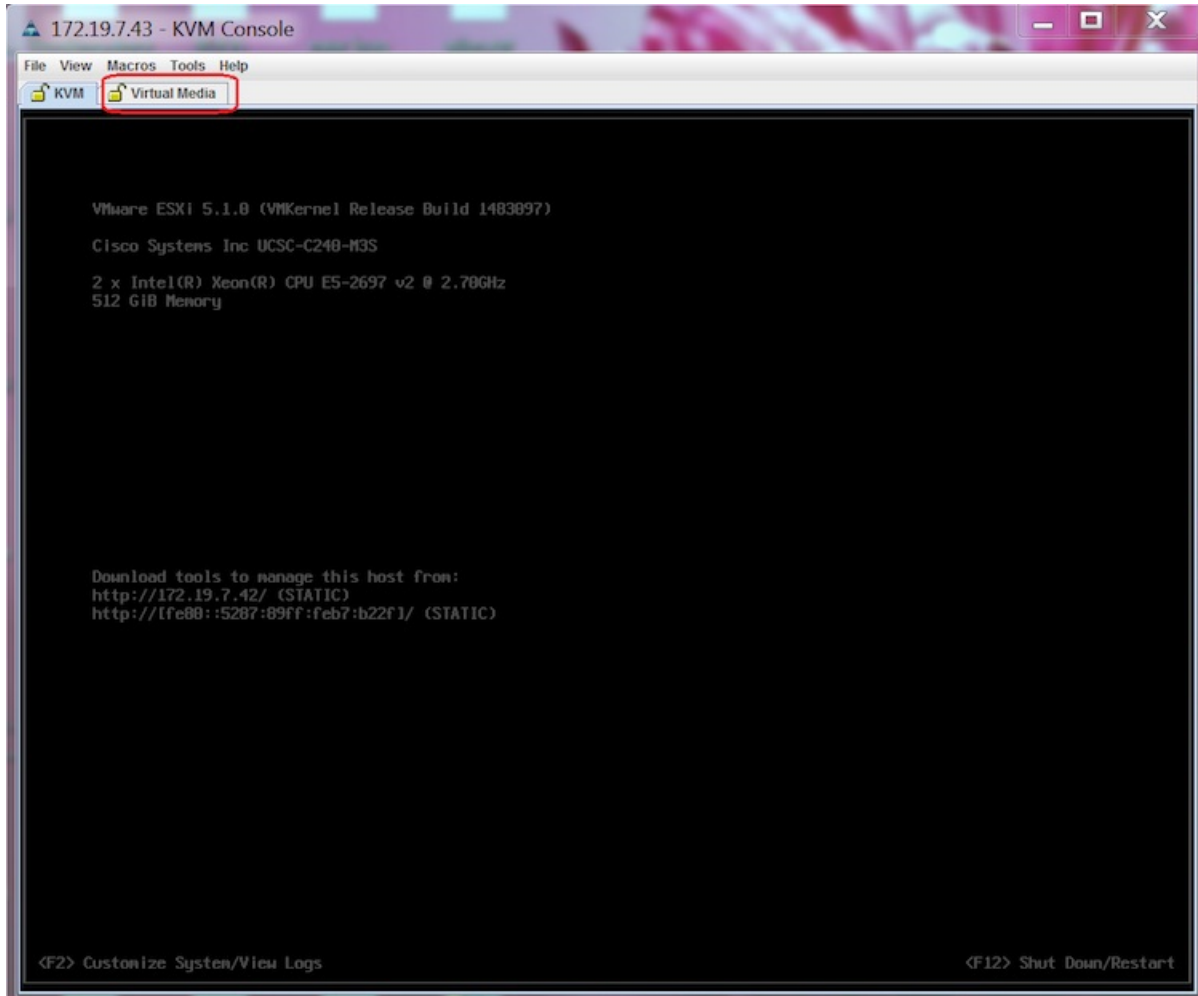
Step 6   In the **Virtual Media** window that is displayed, click **Add Image**.

Figure 16: Virutal Media
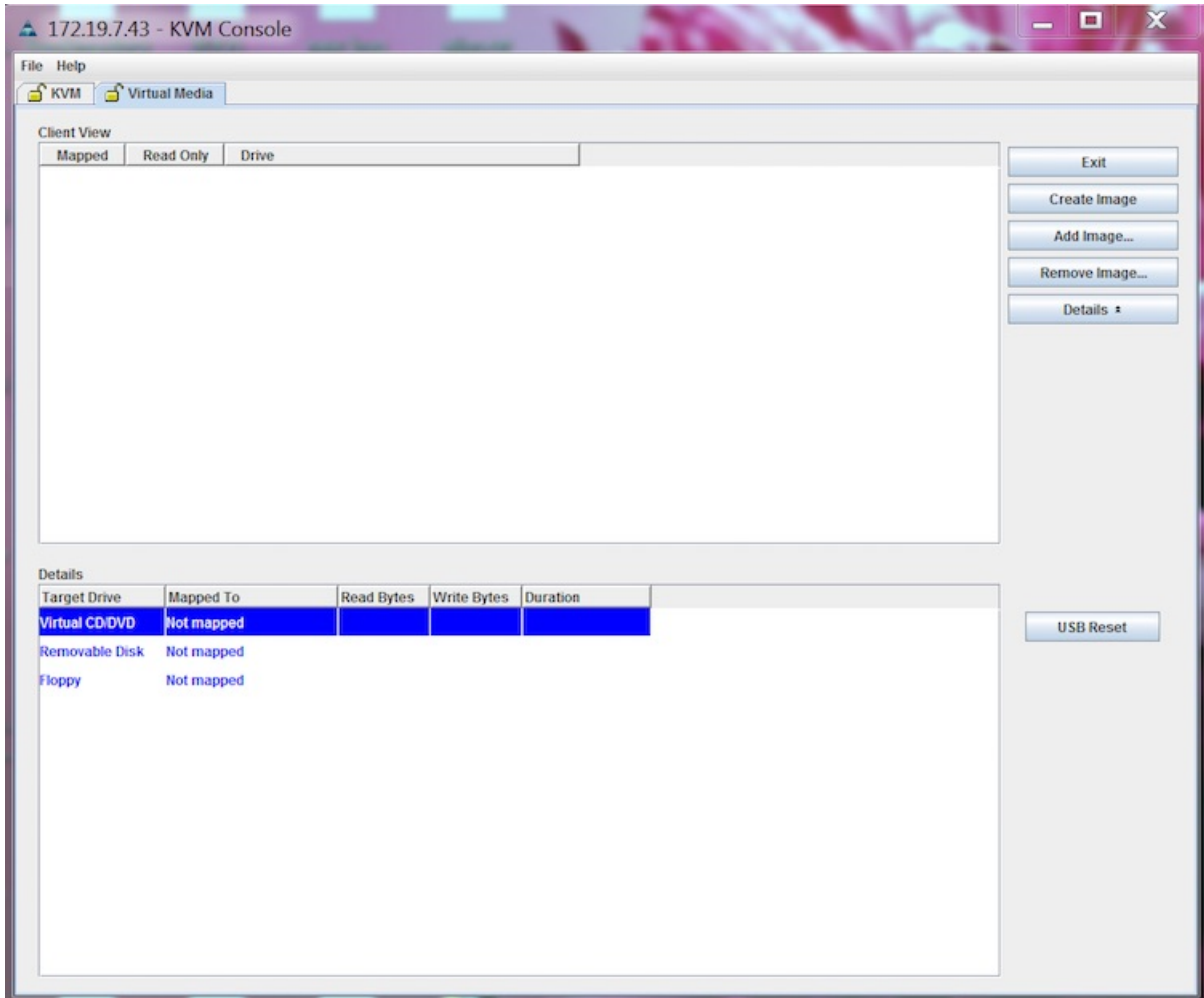
Step 7   Browse and select the downloaded MSE image and click **Open**.

Figure 17: Select Downloaded Cisco MSE ISO Image

The recovery process begins.

Step 8   During the recovery process, respond to the prompt to press ENTER by starting an SSH session to the CIMC interface, as the KVM console does not permit you to press ENTER (With CSCuw32543). Use the following commands to initiate the SSH session:

```
ssh <cimc-ip-address>
connect host
```

The device boots up with the newly loaded image.

What to do next

For more information about configuring Cisco CMX, see Configuring Cisco CMX Release 10.5.x and Later.