



Install Cisco UCS VIC Drivers for ESXi

- [Installing ESXi Drivers During OS Installation, page 1](#)
- [Installing Existing ESXi Drivers, page 2](#)
- [Updating Existing ESXi Drivers, page 3](#)

Installing ESXi Drivers During OS Installation

You can use a virtual media image in place of the physical media.

Before You Begin

Ensure that you adhere to the following best practice for installing the ESXi drivers during the OS installation of ESXi. You must upgrade the infrastructure in the following order before upgrading the drivers.

- Upgrade the infrastructure firmware which includes the UCS Manager, the fabric interconnects, and the chassis I/O modules.
- Upgrade the server and adapter firmware.
- Upgrade the OS VIC drivers



Caution

Failure to adhere to the proper upgrade sequence can cause the server to crash.

Procedure

- Step 1** Insert the ESXi installation DVD in the host machine's DVD drive.
- Step 2** Restart the ESXi host.
- Step 3** Accept the terms of the license agreement.
- Step 4** Choose a keyboard type.
- Step 5** When prompted for custom drivers, click **Yes** to install custom drivers.
- Step 6** Click **Add** to eject the ESXi installation DVD.
- Step 7** Place the supplemental eNIC or fNIC driver CD in the DVD driver of the ESXi host and click **Next**.
- Step 8** Click **Yes** to load the system drivers.
- Step 9** Complete the ESXi installation.
After the drivers are installed, you are prompted to remove the driver CD and reinsert the ESXi installation DVD.
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What to Do Next

You can run the following command to check if the VMware vSphere Installation Bundle(VIB) installed successfully:

```
esxcli software vib list |grep -i vib_name
```

Installing Existing ESXi Drivers

You can use this procedure to install offline bundles that are copied from the driver ISO image to the ESXi host.

Before You Begin

Ensure that you adhere to the following best practice for installing the ESXi drivers during the OS installation of ESXi. You must upgrade the infrastructure in the following order before upgrading the drivers.

- Upgrade the infrastructure firmware which includes the UCS Manager, the fabric interconnects, and the chassis I/O modules.
- Upgrade the server and adapter firmware.
- Upgrade the OS VIC drivers

Procedure

- Step 1** Extract the contents of the ISO image to the ESXi host.
- Step 2** Identify the *offline-bundle.zip* file containing the eNIC or fNIC driver being installed.
- Step 3** Log into the ESXi host using the vSphere Client with administrator privileges, such as root.
- Step 4** Using **DataStore Browser**, upload the *offline-bundle.zip* file to the ESXi host's datastore.
- Step 5** Enter the host into maintenance mode.
- Step 6** Log into the ESXi console as root through SSH or iLO/DRAC.
- Step 7** Copy the *offline-bundle.zip* file to a datastore accessible by the ESXi host by running this command:

```
cp offline-bundle.zip /vmfs/volumes/datastore_name
```
- Step 8** Run the following command to install drivers using the offline bundle. An absolute path is required to run this command.

```
cp offline-bundle.zip /vmfs/volumes/datastore_name
```


For example:

```
esxcli software vib install -d /vmfs/volumes/datastore_name/offline_bundle.zip
```
- Step 9** You can run the following command to check that the VMware vSphere Installation Bundle(VIB) is installed successfully:

```
esxcli software vib list | grep -i vib_name
```
- Step 10** Restart the host.
- Step 11** Exit maintenance mode.
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Updating Existing ESXi Drivers

You can use this procedure to install offline bundles that were copied from the driver ISO image to the ESXi host.

Procedure

- Step 1** Extract the contents of the ISO image to the ESXi host.
- Step 2** Identify the *offline-bundle.zip* file containing the eNIC or fNIC driver being installed.
- Step 3** Log into the ESXi host using the vSphere Client with administrator privileges, such as root.
- Step 4** Using **DataStore Browser**, upload the *offline-bundle.zip* file to the ESXi host's datastore.
- Step 5** Enter the host into maintenance mode.
- Step 6** Log into the ESXi console as root through SSH or iLO/DRAC.
- Step 7** Copy the *offline-bundle.zip* file to a datastore accessible by the ESXi host using the following command:

```
cp offline-bundle.zip /vmfs/volumes/datastore_name
```
- Step 8** Run the following command to install drivers using the offline bundle. An absolute path is required to run this command.

```
esxcli software vib update -d /path/offline-bundle.zip
```

For example:`esxcli software vib update -d /vmfs/volumes/datastore_name/offline-bundle.zip`

Step 9 You can run the following command to check that the VMware vSphere Installation Bundle(VIB) is installed successfully:

```
esxcli software vib list | grep -i vib_name
```

Step 10 Exit maintenance mode.
