



Install the ISO on the Appliance

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The appliance is shipped with the software version pre-installed. You do not have to perform these steps during the initial installation of the appliance. However in case you need to re-image the appliance, you can install the software from the ISO file.

To reduce the installation time, choose **Admin > Network > Network Settings** in the CIMC interface and check the **Auto Negotiation** check box.

Before You Begin

Download the ISO file PI-APL-3.9.0.0.219-1-K9.iso from cisco.com and verify file integrity using the checksum values listed for it on cisco.com.

You can verify the Cisco Signature for the ISO image with the following steps:

1. Download PI-APL-3.9.0.0.219-1-K9.iso, CiscoPI3.9.pem and PI-APL-3.9.0.0.219-1-K9.iso.signature.
2. Copy these file to any Linux server and enter the following command.

```
openssl dgst -sha512 -verify  
CiscoPI3.9.pem -signature PI-APL-3.9.0.0.219-1-K9.iso.signature PI-APL-3.9.0.0.219-1-K9.iso
```

The result will be shown as “Verified”.



Note Ensure no storage devices are connected to the USB port of the appliance before upgrading or installing the ISO image. The installation fails if a USB storage device is connected to the USB port of the appliance as the installer selects the USB storage device.



Note When you connect Gen 2 and Gen 3 appliances through serial console connection after reboot, there are chances that you might encounter garbled screen display. To overcome this issue, you can connect through CIMC or VGA console.

- Step 1** Connect to the console using one of the options mentioned in [Connect to the Console](#).
- Step 2** Mount ISO using any one of the mounting options. See [DVD Mount Options](#) for more details.
- Step 3** Reboot the appliance by pressing the power switch or select **Power > Reset System(Warm Boot)** if you are using vKVM to restart.
- Step 4** After the appliance reboots, press **F6** to enter the boot option.
- Step 5** Select one of the DVD mount option with the Cisco Prime Infrastructure 3.9 software image. See [DVD Mount Options](#) for more information.

```

Please select boot device:
-----
(Bus 05 Dev 00)PCI RAID Adapter
UEFI: Built-in EFI Shell
IBA GE Slot 0100 v1553
IBA GE Slot 0101 v1553
Cisco vKVM-Mapped vDVD1.22
Cisco vKVM-Mapped vHDD1.22
Cisco vKVM-Mapped vFDD1.22
Cisco CIMC-Mapped vDVD1.22
Cisco CIMC-Mapped vHDD1.22
Enter Setup
-----
↑ and ↓ to move selection
ENTER to select boot device
ESC to boot using defaults

```

- Step 6** From the available boot options, enter **1** or **2** carefully, as all future management messages will be displayed in the selected display.
- 1—Prime Infrastructure System Installation (Keyboard/Monitor) if you are connected through the VGA port/vKVM (KVM Console).
- All console data /information will appear on the VGA port /vKVM (KVM console).
- 2—Prime Infrastructure System Installation (Serial Console) if you are connected through the serial port or Serial Over Lan. See [Connect to the Console Using Serial Over LAN](#) for more information.
- All console data/information will appear on the serial port or Serial Over Lan.

```
Welcome to Cisco Prime Infrastructure

To boot from hard disk, press <Enter>.

Available boot options:
[1] Prime Infrastructure System Installation (Keyboard/Monitor)
[2] Prime Infrastructure System Installation (Serial Console)
[3] Recover administrator password. (Keyboard/Monitor)
[4] Recover administrator password. (Serial Console)
<Enter> Boot existing OS from Hard Disk.

Enter boot option and press <return>.

boot:
```

The time taken to deploy the image will depend on the network speed.

Step 7 Enter **setup** at the login prompt when prompted to initiate the installation.

What to do next

See *Set Up Prime Infrastructure on a Virtual Machine or Physical Appliance* section (Step 3 onwards) in [Cisco Prime Infrastructure Quick Start Guide](#) for more information about installing the software.



- Note** Cisco Prime Infrastructure is installed only using the 1 Gbps ports. To disable the 10 Gbps ports on Cisco DNA Center appliance and use the 1 Gbps ports to install Prime Infrastructure, perform the following steps.
1. Login to **CIMC Console**.
 2. Navigate to **Compute > BIOS > Configure BIOS > Advanced > LOM and PCIe Slots Configuration**.
 3. Choose the **Disabled** option from the **PCIeSlot:MLOM OptionROM** and **PCIeSlot:MLOM LinkSpeed** drop-down lists.
 4. Click the **Save** button.
 5. Navigate to **Host Power**, Power Cycle the machine and then Power ON.
-



Note In order to Install Prime Infrastructure in DNAC2 Appliance - we need to Disable Virtual Drive option in Cisco FlexFlash link, perform the following steps:

1. Login to **CIMC Server IP** in browser.
2. Navigate to **Storage**, click **Cisco FlexFlash** link.
3. Click **Virtual Drive** tab and click the **Disable Virtual Drive** button.

Manage the Appliance Using CIMC

You can connect to the vKVM console by launching the CIMC and log in using your username and password configured in [Set the Appliance](#). Using the vKVM console you can do the following:

- Remotely power on or off the server.
- Monitor the server and disk status.
- Change the BIOS settings. Following table displays the hardware types and their respective latest firmware and BIOS versions that support the Cisco Prime Infrastructure 3.9 Physical Appliance ISO image:

Hardware Type	Firmware Version	BIOS Version	PID
Gen 2	412(b)	C220M4.4.1.2b.0.0625202204	PI-UCS-APL-K9
Gen 3	412(b)	C220M5.4.1.2b.0.0917201934	PI-UCSM5-APL-U-K9
DNAC	412(b)	C220M4.4.1.2b.0.0625202204	DN1-HW-APL
DNAC2	412(b)	C220M5.4.1.2b.0.0917201934	DN2-HW-APL

- Launch a virtual console on the appliance.
- Mount *iso* files as virtual DVD drives.
- Other server management functions. Note that if there are additional slots configured with JBOD, the upgrade will fail, hence ensure that you set the status of additional slots to be “Unconfigured Good”.
- See [Cisco Integrated Management Controller](#) documentation for more information.