



Installation and Initial Configuration

The Cisco Prime Infrastructure *Appliance Hardware Installation Guide* contains information and instructions for setting up your Cisco Prime Infrastructure appliance also referred to as Gen2 appliance, and instructions for cabling and configuring the Cisco Prime Infrastructure appliance.

For more information see the [Overview](#) section in the [Cisco UCS C220 M4 Server Installation and Service Guide](#)

This chapter describes how to setup the Prime Infrastructure 3.2 software on Cisco Prime Infrastructure physical appliance.

System Configuration

Table 1-1 System Configuration

CPU	1 X 10 core processor (20 threads)
RAM	64 GB
HDD	4 X 900 GB in RAID 10 configuration and 2.5inch drive
CIMC	Cisco UCS C-Series Integrated Management Controller
NIC	Integrated dual-port Gigabit Ethernet

For scaling information on this server see the *Scaling Prime Infrastructure* section in [Cisco Prime Infrastructure 3.2 Quick Start Guide](#).

Setting Up the Appliance

This section describes setting up the Prime Infrastructure appliance.

- Step 1** Attach a keyboard and monitor to the USB ports on the rear panel of the appliance or by using a KVM cable and connector to access the appliance console.
- Step 2** Power on the appliance.
- Step 3** To set up CIMC press F8 to enter the CIMC configuration utility and continue with [Step 3](#) to [Step 11](#). Continue with [Step 12](#) in case you do not wish to configure CIMC.

You might need to press the function keys (F8, F6 and F2) more than once until the system responds. If you do not press F8 quickly enough you may enter the EFI shell. Press Ctrl, Alt, Del to reboot the system and press F8 again.

**Note**

The Cisco Integrated Management Controller (CIMC) is the management service that you use to remotely access, configure, administer, and monitor the Prime Infrastructure server.

Step 4 In the Configuration Utility window, change the following fields as specified:

- NIC mode—Select **Dedicated**.
- IP (Basic)—Select **IPv4**.
- DHCP—Disable DHCP if enabled.
- CIMC IP—Enter the IP address of the CIMC.
- Prefix/Subnet—Enter the subnet of the CIMC.
- Gateway—Enter the Gateway address.
- Pref DNS Server—Enter the preferred DNS server address.
- NIC Redundancy—Null

Step 5 Press **F1** to specify additional settings.

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Cisco IMC Configuration Utility Version 2.0 Cisco Systems, Inc.
*****
Common Properties
Hostname: C220-FCH1843VOL3
Dynamic DNS: [ ]
DDNS Domain:
FactoryDefaults
Factory Default: [ ]
Default User(Basic)
Default password:
Reenter password:
Port Properties
Auto Negotiation: [ ]
Speed[1000/100 Mbps]: 100
Duplex mode[half/full]: full
Port Profiles
Reset: [ ]
Name:

*****
<Up/Down>Selection <F10>Save <Space>Enable/Disable <F5>Refresh <ESC>Exit
<F2>PreviousPage

```

Step 6 Make the following changes on the Additional Settings window:

- Enter a hostname for CIMC.
- Turn off Dynamic DNS.

- Enter the admin password. If you leave the password field blank, the default password is **password**.
- Step 7** Press **F10** to save the settings.
- Step 8** Press escape to exit and reboot the server.
For remote management move to current step 7
- Step 9** After the settings are saved, open a browser and enter the following URL:
https://CIMC_ip_address where *CIMC_IP_address* is the IP address that you entered in Step 3 above.
- Step 10** Log in to CIMC web interface using the following credentials:
- Username—admin
 - Password—the password configured in [Step 6](#)
- You will be prompted to reset the password if you did not change the default password in [Step 6](#).
- Step 11** Launch the vKVM Console.
See [Connecting to the vKVM Console](#) for more information on how to connect to the vKVM console.
- Step 12** Enter **setup** at the login prompt when prompted to initiate the installation.
See *Installation Options* section in [Cisco Prime Infrastructure 3.2 Quick Start Guide](#) for more information.
After the setup is completed, the system reboots and the login prompt appears it is ready for use. See *Logging in to the Prime Infrastructure User Interface* in the [Cisco Prime Infrastructure 3.2 Quick Start Guide](#) for more information.
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Improving Performance on Gen2 Appliances

For better performance on the Prime Infrastructure Appliance (Gen 2, UCS based), make sure you configure the virtual drive Write Policy to Write Back Good BBU. To configure the virtual drive Write Policy, follow these steps:

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- Step 1** Launch the CIMC web interface.
- Step 2** Click the **Storage** tab, click on the SAS Modular Controller name, click the **Virtual Drive** tab, then click **Edit Virtual Drive**.
- Step 3** Click **OK** on the dialog box that appears.
- Step 4** In the Write Policy field, select **Write Back Good BBU**, then click **Save Changes**.
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Upgrading and Migrating from Previous Releases of Cisco Prime Infrastructure

See the sections *Upgrading from Previous Releases of Cisco Prime Infrastructure* and *Migrating from Previous Releases of Cisco Prime Infrastructure* in [Cisco Prime Infrastructure 3.2 Quick Start Guide](#).

