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 3.0 software on Cisco Prime Infrastructure physical appliance.

System Configuration

<table>
<thead>
<tr>
<th>Table 1-1</th>
<th>System Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>1 X 10 core processor (20 threads)</td>
</tr>
<tr>
<td>RAM</td>
<td>64 GB</td>
</tr>
<tr>
<td>HDD</td>
<td>4 X 900 GB in RAID 10 configuration and 2.5inch drive</td>
</tr>
<tr>
<td>CIMC</td>
<td>Cisco UCS C-Series Integrated Management Controller</td>
</tr>
<tr>
<td>NIC</td>
<td>Integrated dual-port Gigabit Ethernet</td>
</tr>
</tbody>
</table>

For scaling information on this server see the Scaling Prime Infrastructure section in Cisco Prime Infrastructure 3.0 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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**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 Installing the Server section in the Cisco Prime Infrastructure 3.0 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 3.0 Quick Start Guide for more information.

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**Note** You must not change the hardware specifications without consulting the Cisco engineers. Please open TAC case to get assistance.

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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:

**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.