Installation and Initial Configuration

System Configuration

Table 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 Quick Start Guide.
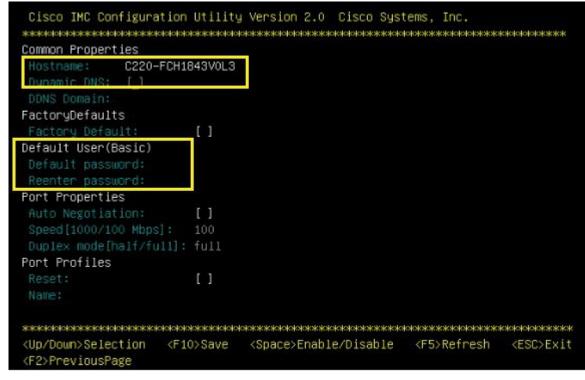
Set the Appliance

This section describes how to set 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.

```
Cisco IMC Configuration Utility Version 2.0  Cisco Systems, Inc.
*****************************************************************************
Common Properties
Hostname:       C220-FCH1843V0L3
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 Connect 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 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 Quick Start Guide for more information.

Improve 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**.

Upgrade and Migrate 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 Quick Start Guide.