



# Installation and Initial Configuration

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## Overview

This guide provides the information on how to install the Cisco Prime Infrastructure Physical Appliances Gen2, Gen 3, and Digital Network Architecture Center (DNAC1 & DNAC2).

## System Configuration

**Table 1: System Configuration**

Specification	Gen-2 Appliance	Gen-3 Appliance	DNAC Appliance	DNAC 2 Appliance
CPU	1 X 10 core processor (20 threads)	20C/40T	44 C/ 88 T	44 C/ 88 T
RAM	64 GB	64GB	256GB	256 GB
HDD	4 X 900 GB in RAID 10 configuration and 2.5inch drive	4 x 1.2 TB SSD - 900 GB	3.6 TB	2 x 480 GB in RAID 1 2 x 1.9 TB in RAID 1 6 x 1.9 TB in RAID 10
CIMC	Cisco UCS C-Series Integrated Management Controller	Cisco UCS C-Series Integrated Management Controller	Cisco UCS C-Series Integrated Management Controller	Cisco UCS C-Series Integrated Management Controller
NIC	Integrated dual-port Gigabit Ethernet	Integrated dual-port Gigabit Ethernet	Integrated dual-port Gigabit Ethernet	Integrated dual-port Gigabit Ethernet

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



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**Note** When there is a flap time in hard appliance, ensure that the hardware clock ( BIOS / CIMC) and the Network Time Protocol time are in sync.

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## Set the Appliance

This section describes how to set the Prime Infrastructure appliance.

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- 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-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.

## Improve Performance on Physical Appliances

For better performance on the Prime Infrastructure Physical Appliance Gen 2, Gen 3, and DNAC Appliance, 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 Info** tab, select the **Virtual Drive** and 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** fro the drop-down, then click **Save Changes**.
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## Migrate from Previous Releases of Cisco Prime Infrastructure

You can restore and back up only on Prime Infrastructure 3.10 from the following versions:

- PI 3.9.x Prime Data Migration Tool Update 02
- Cisco Prime Infrastructure 3.9.1
- Cisco Prime Infrastructure 3.9 Update 01
- Cisco Prime Infrastructure 3.9
- PI 3.8.x Prime Data Migration Tool Update 02
- PI 3.8.x Prime Data Migration Tool Hotfix
- Cisco Prime Infrastructure 3.8.1 Update 01
- Cisco Prime Infrastructure 3.8.1
- Cisco Prime Infrastructure 3.8 Update 02
- Cisco Prime Infrastructure 3.8
- PI 3.7.x Prime Data Migration Tool Update 02
- PI 3.7.x Prime Data Migration Tool
- Cisco Prime Infrastructure 3.7.1 Update 05
- Cisco Prime Infrastructure 3.7.1
- Cisco Prime Infrastructure 3.7 Update 03
- Cisco Prime Infrastructure 3.7

See the section *Before You Migrate Your Data* in the latest [Cisco Prime Infrastructure Quick Start Guide](#) before you restore your data from Prime Infrastructure 3.7.x, 3.8.x, or 3.9.x to your newly installed Prime Infrastructure 3.10 server.