Installing Operating Systems

Introduction

Cisco UCS-SCU has integrated device drivers including RAID drivers to seamlessly install operating systems on supported RAID logical arrays without additional load driver steps or devices such as the USB.

This chapter provides procedure and information on how to use SCU with Cisco UCS C-Series rack-mount standalone servers.

For information on how to use SCU with Cisco UCS C-Series and B-Series Cisco Intersight managed servers, see Installing an Operating System.

UCS-SCU supports OS installation on the following:

- Virtual disks

- NVMe device

- M.2 device

- Disks in JBOD mode

- SD Cards

- SW RAID

Note This is available only on Cisco UCS M4, M5 and M6 servers.

Note Before you begin the operating system installation, be sure that you have disabled the Watchdog Timer. If this feature is enabled and the value is set for a time duration that is less than the time needed to install the OS, the operating system installation process is interrupted. This Watchdog Timer feature automatically reboots or powers off the server after the specified time duration.

You can use the following two options to install the operating system:

Quick Install

The Quick Install option allows you to quickly install the operating system with the default parameters. You can view the OS Install page with the default parameters depending on the target operating system. The Quick Install method does not require any user input and is a one-click operating system installation method.

Before you begin

If you wish to install the OS on a physical/virtual/logical disk, then ensure that virtual/logical disks are created before you install the operating system. If logical disks are not created, the disk details are not displayed under **Default Settings** area.

Step 1 Select **OS Installation** in the left navigation pane.

The **OS Installation** page displays all the OS installation options.

Step 2 From the **OS category** drop-down list, select the desired operating system.

Step 3 From the **OS version** drop-down list, select the desired version.

Step 4 From the **OS edition** drop-down list, select the desired edition.

Note This is available only on Windows operating system.

Step 5 From the **Installing Disk** drop-down list, select the disk where you want to install the OS.

Step 6 Click **Quick Install** to begin installation.

Step 7 Click **Yes** to confirm.

Step 8 Once the installation is complete, login using the default password.

Note Factory default password is `Pa55w0rd@`. Cisco recommends that you change the password after the first login.

Custom Install

The Custom Install option allows you to customize the default settings. Refer the following for custom installation:

- Installing ESXi, on page 3

- Installing Windows Server Operating System, on page 4

- Installing Linux Server Series Operating System, on page 5

ESXi Custom Installation

Installing ESXi

The ESXi Install option allows you to install the operating system and customize the default settings.

Note ESXi installation is also supported on SD cards for Cisco UCS C220 M4/M5 and C240 M4/M5 servers after enabling the virtual drive on the HV partition and rebooting the host.

Step 1 Select **OS Installation** in the left navigation pane.

The **OS Installation** page displays all the OS installation options.

Step 2 From the **OS category** drop-down list, select **VMware**.

Step 3 From the **OS version** drop-down list, select the desired ESXi version.

Step 4 From the **Installing Disk** drop-down list, select the disk location.

Step 5 Click **Custom install** button.

The **VMware ESXi Custom Install** page of the selected ESXi version appears.

Step 6 Perform the following in the **VMware ESXi Custom Install** page:

a) In the **Basic Configuration** area, do the following:

1. From the **Keyboard** drop down list, select the desired language.

   By default, the language is English.

2. In the **Root Password** field, enter the root password.

3. In the **Confirm Root Password** field, re-enter the root password.

4. In the **Product key** field, enter the product license key.

b) For **Installation Disk** area, perform the steps in Selecting a Installation Disk.

c)   For **Network Settings** area, perform the steps in Network Settings.

Windows OS Custom Installation

Installing Windows Server Operating System

Perform this procedure to install Windows Server OS with custom settings.

Step 1   Select **OS Installation** in the left navigation pane.

The **OS Installation** page displays all the OS installation options.

Step 2   From the **OS category** drop-down list, select the **Windows**.

Step 3   From the **OS version** drop-down list, select the desired Windows version.

Step 4   From the **OS edition** drop-down list, select the desired edition.

Step 5   From the **Installing Disk** drop-down list, select the disk location.

Step 6   Click **Custom Install** to begin installation.

The **Windows Custom Install** page of the selected Windows version appears.

Step 7   Perform the following in the **Windows Custom Install** page:

a)   In the **Basic Configuration** area, do the following:

   1.   From the **Time Zone** drop-down list, choose a time zone.

   2.   From the **Language** drop-down list, choose a language.

   3.   In the **Administrator Password** field, enter the password.

   4.   In the **Confirm Administrator Password** field, re-enter the password.

   5.   In the **Organization** field, enter a name of the organization of the administrator.

   The maximum limit is 15 characters.

   6.   In the **Workgroup** field, enter a workgroup name.

   The maximum limit is 20 characters.

   7.   In the **Host name** field, enter a Windows host.

   8.   From the **Auto logon** drop-down list, select **ON** or **OFF**.

   9.   In the **Product key** field, enter OS license key.

b)   For **Installation Disk** area, perform the steps in Selecting a Installation Disk.
c)   For **Network Settings** area, perform the steps in Network Settings.
d)   For **Installation Drivers** area, perform the steps inSelecting Installation Drivers.

Linux OS Custom Installation

Installing Linux Server Series Operating System

Perform this procedure to install Linux Server OS with custom settings.

Step 1   Select **OS Installation** in the left navigation pane.

The **OS Installation** page displays all the OS installation options.

Step 2   From the **OS category** drop-down list, select the **Linux**.

Step 3   From the **OS version** drop-down list, select the desired Linux version.

Step 4   From the **Installing Disk** drop-down list, select the disk location.

Step 5   Click **Custom Install** to begin installation.

The **Linux Custom Install** page of the selected Linux version appears.

Step 6   Perform the following in the **Linux Custom Install** page:

a) In the **Basic Configuration** area, do the following:

1. From the **Keyboard** drop down list, select the desired language.

2. From the **Timezone** drop down list, select the desired time zone.

3. From the **Language** drop down list, select the desired language.

4. In the **Root Password** field, enter the root password.

5. In the **Confirm Root Password** field, re-enter the root password.

b) For **Installation Disk** area, perform the steps in Selecting a Installation Disk.

c) In the **Package Selection** area, select the applicable packages.

d) For **Network Settings** area, perform the steps in Network Settings.

e) For **Installation Drivers** area, perform the steps in Selecting Installation Drivers.