CHAPTER 2

Getting Started with UCS-Server Configuration Utility

This chapter helps you to get started with the UCS-Server Configuration Utility and contains the following sections:

Supported Operating Systems

UCS-SCU supports unattended installation of the following operating systems:

- Windows Server 2003 SP2 (32-bit)
- Windows Server 2003 SP2 (x64-bit)
- Windows Server 2008 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2008 R2 SP1 (64-bit)
- Red Hat Enterprise Linux 4.0 Update 8 (x86-64)
- Red Hat Enterprise Linux 5 Update 3, 4, 5, 6 (x86-64)
- Red Hat Enterprise Linux 6 (x86-64)
- SLES 11 SP1
- SLES 10 SP3
- SLES 10 SP4

Supported Platforms

The UCS-SCU is supported on the following Cisco platforms:

- C200 M2 (SFF)
- C200-M1 and C200-M2
- C210-M1 and C210-M2
- C250-M1 and C250-M2
- C460-M1 and C460-M2

Hardware and Software Requirements

The following are the minimum hardware and software requirements for UCS-SCU 2.1:

- **CD-ROM Drive**—A USB, IDE, or SATA CD/DVD-ROM drive is required to be able to boot and run the UCS-SCU. The CD/DVD-ROM drive is a prerequisite for operating system installation. You can also use the virtual media option in the CIMC KVM to boot UCS-SCU
- **Mouse**—Some functions require a standard mouse (PS/2 or USB) for navigation.
- **USB Disk on Key device**—functions like saving UCS-SCU logs require a USB disk on key.
- **RAM**—A minimum of 1 GB RAM. If the available RAM is less than the minimum recommended value, UCS-SCU will not function properly.
- **Network Adapter**—Some optional functions, like downloading the OS drivers from support.cisco.com require network access. Any single on-board NIC adapter connection is supported.

Note Currently UCS-SCU supports only Intel/Broadcom adapters.

- **RAID Cards**—RAID configuration and OS installation are supported on select controllers. For details refer to the following document:
  - Hardware and Software Interoperability Matrix.

Obtaining the SCU .iso from cisco.com

To find the ISO file download for your server online follow these steps:

Step 1 See the following URL http://www.cisco.com/cisco/software/navigator.html

Step 2 Click **Unified Computing** in the middle column.

Step 3 Click **Cisco UCS C-Series Rack-Mount Servers** in the right-hand column.

Step 4 Click the name of your model of server in the right-hand column.

Step 5 Click **Software on Chassis** in the right-hand column.

Step 6 Click **Unified Computing System (UCS) Server Configuration Utility**.

Step 7 Click the release number that you are downloading.

Step 8 Click **Download Now** to download the ISO file.

Step 9 Verify the information on the next page, then click **Proceed With Download**. If prompted, use your cisco.com credentials to log in.

Step 10 Continue through the subsequent screens to accept the license agreement and browse to a location where you want to save the utilities zip file.

Step 11 Extract the contents of the SCU zip file and note the location to which the SCU ISO file is saved.

Burning an .iso CD

To boot the UCS-SCU ISO image from a CD drive, you will need to make and use an .iso CD. You cannot simply copy the file from Cisco.com to a CD. To create an .iso CD, you must burn it using an application that burns .iso CDs.

To burn an .iso file, follow these steps:

Step 1 Obtain an .iso file from Cisco.com as described in the previous section.

Step 2 Create an .iso CD using a CD burning tool.

Booting UCS-SCU from CD

To boot the application on your server, follow these steps:

Step 1 Insert the Cisco UCS Server Configuration Utility CD on to your system.

Step 2 Restart the server, and press **F6** to enter boot selection menu and then select CDROM drive as boot device.

Step 3 Use the arrow keys to select Cisco Virtual CD/DVD, and then press **Enter**.

Step 4 The server boots using the UCS-SCU image and starts the application.

Entering the Virtual KVM Console

To enter the virtual KVM console, follow these steps:

Step 1 Log in to CIMC.

Step 2 Click **Launch KVM Console**. The Virtual KVM Console displays with the SCU home page.

Booting in the Virtual KVM Console

To boot in the virtual KVM console, follow these steps:

Step 1 Place the .iso image file in your desktop.

Step 2 Log in to CIMC from your desktop.

Step 3 Click **Launch KVM Console**.

Step 4 Click **Tools** -> **Launch virtual media** -> Add Image to map the UCS-SCU iso to vmedia.

Step 5 Reboot the server, and press **F6** when the server starts to select boot device.

Step 6 Use the arrow keys to select Cisco Virtual CD/DVD, and then press **Enter**.

Step 7 The server boots using the UCS-SCU image and starts the application.

Exiting UCS-SCU

There are two ways you can exit the application:

- Use the **Reboot** button on the SCU toolbar. When you use the SCU toolbar, the virtual KVM Console no longer boots SCU.

The second method is as follows:

Step 1 Remove the .iso disk from the disk drive.

Step 2 Click **Reboot**, and then click **Yes** to confirm reboot of your server.

Step 3 You can also unmount/unmap the SCU image to exit the application. To do this click Virtual Media on the KVM console, select the image you want to remove and click **Remove Image**.