Overview

The Cisco UCS Server Configuration Utility (SCU) is an application that helps you manage various tasks on your server. The utility helps you easily set up and manage your servers from a single application.

UCS-SCU reduces the complexity and time associated with setting up and maintaining Cisco C-Series servers. Server deployment is made easier. It guides you through questions to help quickly configure the server through automatic recognition of server hardware, with minimal reboots and an automated unattended operating system installation.

Using the SCU, you can perform the following tasks:

- Upgrade, troubleshoot, and configure the UCS C-Series server
- View server inventory
- Configure RAID volumes on attached hard drives
- Install an operating system
- View server health and logs

Note Cisco UCS SCU does not support Internationalization.

This chapter includes the following sections:

Supported Operating Systems

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

- Windows Server 2016
- Windows Server 2012
- Windows Server 2012 R2
- Windows Storage Server 2012
- Windows Storage Server 2012 R2

- Red Hat Enterprise Linux 5 Update 10
- Red Hat Enterprise Linux 5 Update 11
- Red Hat Enterprise Linux 6 Update 4 (x86-64)
- Red Hat Enterprise Linux 6 Update 5
- Red Hat Enterprise Linux 6 Update 6
- Red Hat Enterprise Linux 6 Update 7
- Red Hat Enterprise Linux 6 Update 8
- Red Hat Enterprise Linux 6 Update 9
- Red Hat Enterprise Linux 7.0
- Red Hat Enterprise Linux 7 Update 1
- Red Hat Enterprise Linux 7 Update 2
- Red Hat Enterprise Linux 7 Update 3
- SUSE Linux Enterprise Server 11 (SP3)
- SUSE Linux Enterprise Server 11 (SP4)
- SUSE Linux Enterprise Server 12
- SUSE Linux Enterprise Server 12 SP2
- VMware ESXi 5.1
- VMware ESXi 5.5
- VMware ESXi 6.0
- VMware ESXi 6.5
- Ubuntu 12.04
- Ubuntu 14.04
- Ubuntu 16.04
- CentOS 6.6
- CentOS 6.7
- CentOS 6.8

Supported Platforms

UCS-SCU is supported on the following Cisco platform:

- UCS-C22 M3
- UCS-C24 M3
- UCS-C220 M3
- UCS-C240 M3
- UCS-C3160 M3
- UCS-S3260 M3
- UCS-S3260 M4
- UCS-C240 M4

- UCS-C220 M4
- UCS-C460 M4

Supported Peripheral Devices

Table 1-1 shows the SIOC and LSI controller devices supported by UCS-SCU.

Table 1-1 SIOC and LSI Controller Devices

Server	SIOC	LSI Controller	RAID Levels Supported
C3160	Intel I350, Cisco VIC 1227	• Storage Servers (SLOT-MEZZ)	• 0,1,5,6,10,50,60 **Note** Single virtual drive should not contain more than thirty-two number of HDDs.
S3260 M3, S3260 M4	UCSC-C3260-SIOC	• Storage Servers (SLOT-MEZZ)	• 0,1,5,6,10,50,60 **Note** Single virtual drive should not contain more than thirty-two number of HDDs.
C22, C24	Intel I350	• 9265-8i • 9240-8i • 9220-4i • 9220-8i	• 0, 1, 5, 10
C220, C240	Intel I350	• LSI 9266-8i • Cisco UCSC RAID SAS 2008M-8i • LSI Embedded MegaRAID	• 0, 1, 5, 6,10, 50, 60 • 0, 1, 5, 10, 50 • 0, 1, 5 (if TSOC is installed in the server), 10
C220 M4	Intel I350	• 3108 • LSI Embedded MegaRAID	• 0, 1, 1E, 5, 6, 10, 50, and 60
C240 M4	Intel I350	• 3108	• 0, 1, 1E, 5, 6, 10, 50, and 60
C460 M4	X540	• 3108 • 9361	• 0, 1, 1E, 5, 6, 10, 50, and 60 • 0, 1, 5, 6, 10, 50, and 60

Note The UCS-SCU RAID configuration utility detects the physical drivers only once when you enter this function area after the system is rebooted. Do not remove or add hard disk drivers while navigating within this function area.

Note Some LSI RAID controllers take time to complete the operation during RAID configuration. SCU does not have any control over this issue. As a workaround, you can either recreate the RAID or wait for the operation to complete.

Hardware Requirements

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

- CD-ROM drive—A USB CD/DVD-ROM drive is required to be able to boot and run the UCS-SCU. You can also use the virtual media option in the CMC KVM to boot UCS-SCU.
- Mouse—Some functions require a standard mouse (PS/2 or USB) for navigation.
- USB disk on key device—Functions such as 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, such as, downloading the OS drivers from support.cisco.com, require network access. Any single onboard NIC adapter connection is supported.

Note Currently UCS-SCU supports only Intel adapters.

- RAID Cards—RAID configuration and OS installation are supported on select controllers.