



Release Notes for Cisco UCS Server Configuration Utility, Release 3.1(5g)

First Published Date: March 12, 2012

Revised Date: January 22, 2014

Part Number: OL-26658-01

This document describes the features, system requirements, and open caveats for UCS SCU Release 3.1(5) and Cisco Driver Update Utility Release 3.1(5), as well as any related firmware or drivers. Use this document in conjunction with the documents listed in the [“Related Documentation”](#) section on [page 15](#).



Note

We sometimes update the documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

[Table 1](#) shows the online change history for this document.

Table 1 *Online History Change*

Part Number	Revision	Date	Description
OL-26658-01	A0	March 12, 2012	Created release notes for Release 3.0
	B0	June 12, 2012	Updated release notes for Release 3.1
	C0	November 19, 2012	Updated release notes for Release 3.1(2)
	D0	March 04, 2013	Updated release notes for Release 3.1(3)
	E0	April 29, 2013	Updated release notes for Release 3.1(3c.1)
	F0	August 15, 2013	Updated release notes for Release 3.1(4)
	G0	September 19, 2013	Updated release notes for Release 3.1(4c)
	H0	October 22, 2013	Updated release notes for Release 3.1(4f)
	I0	December 11, 2013	Updated release notes for Release 3.1(5b)
	J0	January 22, 2014	Updated release notes for Release 3.1(5g)



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Introduction

This release note discusses the features, and open caveats for the following products:

- Cisco UCS Server Configuration Utility
- Cisco Driver Update Utility

Cisco UCS Server Configuration Utility

The Cisco UCS Server Configuration Utility (UCS SCU) is an application that 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 time 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.

With UCS-SCU, you can perform the following:

- Upgrade, troubleshoot, and configure UCS C-Series server
- View server inventory.
- Configure BIOS boot order.
- Configure RAID volumes on attached hard drives
- Install an operating system using one of the following options:
 - Quick install - Install an operating system with default settings
 - Custom install - Modify the default settings prior to installing an operating system.
- Perform interactive offline diagnostics
- View server health and logs.

For more information on performing these tasks, see the [Cisco UCS Server Configuration Utility User Guide, Release 3.1\(3\)](#).

Cisco Driver Update Utility

The Cisco Driver Update Utility enables you to install or update drivers for all Cisco supported devices.

With Cisco Driver Update Utility, you can perform the following:

- Install driver updates individually or collectively
- Install driver updates from the Cisco Flexible Flash card, network or from <http://www.cisco.com>.

For more information on performing these tasks, see the [Cisco Driver Update Utility, Release 3.1\(2\) User Guide](#).

System Requirements

This section lists the supported operating systems, supported hardware platforms, and the hardware requirements for Cisco UCS SCU and Cisco Driver Update Utility.

Supported Operating Systems

Cisco UCS-SCU 3.1(5g) supports unattended installation of the following operating systems:

- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2008 R2 (64-bit)
- Windows Server 2008 R2 SP1 (64-bit)
- Red Hat Enterprise 5 Update 7 (x86-64)
- Red Hat Enterprise Linux 5 Update 8
- Red Hat Enterprise Linux 5 Update 8 (x86-64)
- Red Hat Enterprise Linux 5 Update 9
- Red Hat Enterprise Linux 5 Update 10
- Red Hat Enterprise Linux 6 Update 2 (x86-64)
- Red Hat Enterprise Linux 6 Update 3 (x86-64)
- Red Hat Enterprise Linux 6 Update 4 (x86-64)
- Red Hat Enterprise Linux 6 Update 5
- SUSE Linux Enterprise Server 11 (SP2 and SP3)

Cisco Driver Update Utility is supported on the following operating system:

- Windows Server 2012
- Windows Server 2008 R2 (64-bit)
- Microsoft Windows Server 2008 R2 with SP1

Supported Hardware Platforms

UCS-SCU 3.1(5) and Cisco Driver Update Utility 3.1(5) are supported on the following servers:

- UCS C22 M3
- UCS C24 M3
- UCS C220 M3

- UCS C240 M3
- UCS C260 M2
- UCS C420 M3
- UCS C460 M2

Hardware Requirements for Cisco UCS SCU

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 CIMC KVM to boot UCS-SCU.
- **Mouse**—Some functions require a standard mouse (USB) for navigation.
- **USB Disk on Key device**—functions like saving UCS-SCU logs require a USB disk on key.
- **RAM**—A minimum of 4 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 adapters.

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

Software Features in Cisco UCS SCU Releases

Release 3.1(5g)

- Includes defect fixes

Release 3.1(5b)

- Added support for the following:
 - Windows Server 2012 R2
 - Red Hat Enterprise Linux 5 Update 9
 - Red Hat Enterprise Linux 5 Update 10

Release 3.1(4)

This section describes the features of UCS Server Configuration Utility that were introduced or modified in release 3.1(4).

Cisco UCS SCU Release 3.1(4f)

- Added support for new drivers for all operating systems.

For more information on supported drivers, see the *Hardware and Software Interoperability for Standalone C-Series Servers in Release 1.5(3)* available at the following link:

http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html

Cisco UCS SCU Release 3.1(4c)

- Added support for Red Hat Enterprise Linux 5 Update 8
- Enabling drivers for the following new adapter cards:
 - Cisco UCS VIC 1255T adapter
 - QLE8362 (Converged Network adapter)
 - QLE2672 (16 GB FC HBA)
 - Emulex LPe16002 (16 GB FC HBA)

Cisco UCS SCU Release 3.1(4)

- Added non-interactive offline diagnostics

Release 3.1(3)

This section describes the features of UCS Server Configuration Utility and Cisco Driver Update Utility that were introduced or modified in release 3.1(3).

Cisco UCS SCU Release 3.1(3c.1)

The following defects were resolved:

Symptom SCU shows PSU faults in Server Health, but PSU state on CIMC does not show any issue.

```
--- SCU Server Health ---
PSU1 PSU1_AC_OK: Power Supply sensor for PSU1, State Asserted
PSU1 PSU1_PWRGD: Power Supply sensor for PSU1, State Asserted
PSU2 PSU2_AC_OK: Power Supply sensor for PSU2, State Asserted
PSU2 PSU2_PWRGD: Power Supply sensor for PSU2, State Asserted
```

Workaround None (CSCue67778)

Symptom "Chassis open status: asserted" warning message logged in SCU for C460 M2 servers.

Workaround Ignore the message. (CSCuf20678)

Cisco UCS SCU Release 3.1(3)

- F7 diagnostics
 - To run pre-defined diagnostic tests on the server when it is booting.
- Hypervisor Sync

To synchronize data in the HyperVisor partition of the SD cards to create a RAID 1.

Release 3.1(2)

This section describes the features of UCS Server Configuration Utility and Cisco Driver Update Utility that were introduced or modified in release 3.1(2).

- [Cisco UCS SCU Release 3.1\(2\)](#)
- [Cisco Driver Update Utility Release 3.1\(2\)](#)

Cisco UCS SCU Release 3.1(2)

New features

- Added support for Microsoft Windows Server 2012
- Added support for UCS C-420 M3 servers
- Added support for Red Hat Enterprise Linux 5.8, and 6.3

Changed Features

This version of UCS SCU is supported on the following platforms:

- UCS-C22 M3
- UCS-C24 M3
- UCS-C220 M3
- UCS-C240 M3
- UCS-C260 M2
- UCS-C460 M2

Cisco Driver Update Utility Release 3.1(2)

New Features

- Added support for Microsoft Windows Server 2012
- Added support for UCS C-420 M3 servers

Changed Features

There are no changed features in this release.

Release 3.1

This section describes the features of the UCS Server Configuration Utility and the Cisco Driver Installer Utility that were changed or introduced in this release.

- [Cisco UCS SCU Release 3.1, page 8](#)
- [Cisco Driver Update Utility Release 3.0, page 8](#)

Cisco UCS SCU Release 3.1

This section contains the following topics:

- [New Features, page 8](#)
- [Changed Features, page 8](#)

New Features

Added RAID support for LSI Embedded MegaRAID.

Changed Features

There are no changed features in this release.

Cisco Driver Update Utility Release 3.0

There are no new or changed features.

Open Caveats

This section lists the open caveats in the Cisco UCS SCU and the Cisco Driver Update Utility and contains the following topic:

- [Release 3.1\(5b\), page 8](#)
- [Release 3.1\(4f\), page 10](#)
- [Release 3.1\(4c\), page 10](#)
- [Release 3.1\(4\), page 10](#)
- [Release 3.1\(3\), page 11](#)
- [Release 3.1\(2\), page 12](#)
- [Release 3.1, page 12](#)
- [Release 3.0, page 13](#)

Release 3.1(5b)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(5b)

Cisco Driver Update Utility

- CSCul83325

Symptom: Driver update for MP card fail using Driver Update Utility in case of native OS install.

Workaround: Use the Driver ISO provided by www.cisco.com.

- CSCul80420

Symptom: Installation of a NIC driver for an Emulex card using Driver Update Utility fails in the case of a native OS installation of Windows 2012 R2 server. The error occurs because of an unsigned driver.

Workaround: Look for a signed driver in the Driver ISO released available on www.cisco.com.

- CSCul97484

Symptom: Windows 2012 R2 OS cannot be installed in a system with Intel 82576.

Workaround: None

Cisco UCS SCU

- CSCul67930

Symptom: The error message "Unable to enumerate vdisks. Check CIMC GUI for SD card status." appears as soon as the server is booted to the SCU image.

Workaround: No workaround. Click OK to continue.

- CSCul64688

Symptom: After installing an OS using UCS SCU, modinfo will show inbox driver version for BNX2.

Workaround: Complete the following steps:

- 1) Open a terminal.
- 2) Type depmod and press enter.
- 3) Type modinfo. The correct driver version is displayed.

- CSCul84118

Symptom: RHEL 6.4 OS installation fails on SW RAID using SCU.

Workaround: None

- CSCuh92055

Symptom: After the user is prompted to reboot the server from UCS SCU, the server must automatically boot to the selected VD and continue with the OS installation. But the boot order does not change during OS install.

Workaround: Go to BIOS and manually change the boot order.

- CSCul74006

Symptom: While using the Custom OS install option, when driver zips are provided from the USB, the installation fails and the following message is displayed:

Error: 605: Unable to copy windows installation files.

Workaround: Use the default option of drivers from SCU media or use the drivers from the network or from www.cisco.com.

Release 3.1(4f)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(4f).

Cisco Driver Update Utility

- CSCuj94516

Symptom: Driver Update utility will fail to install a chipset driver or it will give you success message without updating the driver.

Workaround: Install driver manually from Driver CD available on the Cisco website.

Cisco UCS SCU

- CSCuh96299

Symptom: RHEL 6.4 installation fails on software RAID.

Workaround: Try native install using C600 driver from the Driver ISO available on the Cisco website.

- CSCuj94567

Symptom: While installing Microsoft Windows 2008 R2, or Microsoft Windows 2012 operating systems using Cisco UCS SCU, the users sees an unsigned driver pop-up.

Workaround: None. Continue the installation of the operating system.

- CSCuj97756

Symptom: Microsoft Windows 2012R2 installation from the SCU CD fails and the following error message is displayed:

Windows cannot read <Product Key> settings from the unattended answer file.

Workaround: None. Try the native install procedure.

Release 3.1(4c)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(4c).

Cisco UCS Driver Update Utility

- CSCuj19232

Symptom: When a user attempts to update the chipset driver using the Cisco UCS Driver Update Utility after installing the Microsoft Windows OS, there is no component called Chipset displayed in the utility.

Workaround: Install the chipset driver from the Driver CD available on Cisco.com.

Release 3.1(4)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(4) and contains the following topics:

- [Cisco UCS SCU](#)
- [Cisco Driver Update Utility](#)

Cisco UCS SCU

- CSCui19457
Symptom: Pdisk test may fail during server snapshot even when CIMC displays SDD status as good.
Workaround: No workaround.
- CSCui18882
Symptom: SCU is not giving any option to clear SEL log even when SEL is full.
Workaround: Clear SEL from CIMC
- CSCui01455
Symptom: RHEL OS is not listing drivers for enic, fnic and bnx2x
Workaround: Install the driver from the Driver ISO provided by Cisco.
- CSCuh96199
Symptom: modinfo showing wrong driver for bcm57712 10 base T for RHEL 6.3
Workaround: Install the driver from the Driver ISO provided by Cisco.
- CSCuh92040
Symptom: Unable to install megasr module if RHEL is installed on LSI card.
Workaround: megasr is not required for LSI cards. This driver is only for software RAID.

Cisco UCS Driver Update Utility

- CSCui50330
Symptom: Driver update utility fails to install driver for Intel 82576 for Windows 2012.
Workaround: Install the driver from the Driver ISO provided by Cisco.

Release 3.1(3)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(3) and contains the following topics:

- [Cisco UCS SCU](#)

Cisco UCS SCU

- CSCue87333
Symptom: For UCS C240 SNEBS servers, SCU does not carry any drivers. During the custom OS installation, the following warning message appears:

```
No Drivers Found
```

Workaround: No workaround.

- CSCue84025

Symptom: In UCS C240 SNEBS servers, the Web Manager crashes if the License Agreement is accepted within 10 seconds.

Workaround: Wait for 10 seconds before accepting the License Agreement in the SCU screen.

Release 3.1(2)

This section lists the open caveats for Cisco UCS SCU and Cisco Driver Update Utility Release 3.1(2) and contains the following topics:

- [Cisco UCS SCU](#)

Cisco UCS SCU

- CSCuc71121

Symptom: The Megasr Driver is not installed along with the Red Hat Enterprise Linux (RHEL) 5.7, 5.8 and 6.2 OS installations.

Workaround: Run the depmod command to solve the problem.

- CSCuc67859

Symptom: While using the Quick Install option to install the Linux OS, the driver version for bnx2 driver does not match the version displayed in Cisco UCS SCU interface.

Workaround: Run the depmod command.

- CSCtz58137

Symptom: When the Custom install option is used to install RHEL 6.1 OS, the installation process fails after the host reboots to initiate the OS installation. The following error message is displayed:

Could not allocate requested partitions....not enough free space on disk.

Workaround: You can perform one of the following workarounds:

- Use the Quick Install option
- Recreate RAID less than 2 TB, and re-attempt OS installation.

Release 3.1

This section lists the open caveats for Cisco UCS SCU Release 3.1 and Cisco Driver Update Utility Release 3.0 and contains the following topics:

- [Cisco UCS SCU, page 12](#)
- [Cisco Driver Update Utility, page 13](#)

Cisco UCS SCU

- CSCua41367

Symptom: You get the following error when configuring DHCP IP for SCU:

Unable to get DHCP IP

- Workaround:** Configure the static IP.
- CSCua37754
 - Symptom:** RAID configuration fails and the following error message is displayed:

RAID configuration failure.

Workaround: Wait till the virtual disk (VD) initialization is complete.
- CSCua30416
 - Symptom:** Clear configuration does not delete created VDs.

Workaround: Go to the Web BIOS of the LSI controller by pressing CTRL + H during POST and clear the configuration from the Web BIOS.
- CSCua06521
 - Symptom:** Clear configuration does not delete VDs when the HDD status is in the “Drive is exposed and controlled by host” state.

Workaround: Go to the Web BIOS of the LSI controller by pressing CTRL + H during POST and clear the configuration from the Web BIOS.
- CSCua06467
 - Symptom:** RAID 10 support on LSI Embedded MegaRAID Controller with more than 2 HDD per span fails.

Workaround: None. Currently, RAID 10 only supports up to 4 disks for LSI Embedded MegaRAID, that is, 2 disks per Data Group and only 2 Data Groups per RAID 10.
- CSCua35749
 - Symptom:** QLE8242 displays as QLE8252 in Custom OS install screen.

Workaround: None.
- CSCua06513
 - Symptom:** Automatic setup with redundancy option is not present during RAID configuration.

Workaround: Go to custom and you can create RAID levels which support redundancy.

Cisco Driver Update Utility

- CSCua36245
 - Symptom:** The driver for QLE8242 cannot be installed using the Driver Update Utility.

Workaround: None.

Release 3.0

This section lists the open caveats for Cisco UCS SCU Release 3.0 and Cisco Driver Update Utility Release 3.0 and contains the following topics:

- [Cisco UCS SCU, page 14](#)
- [Cisco Driver Update Utility, page 14](#)

Cisco UCS SCU

- CSCty57731

Symptom: While installing RHEL 6.1, the following error message may appear indicating that message server support group does not exist:

Missing group

Workaround: Press **Continue** to proceed with the installation.

- CSCty26215

Symptom: USB flash drives are not detected by UCS SCU. Also, USB flash drives with NTFS format cannot be mounted.

Workaround: Complete the following steps to detect the USB flash drive through UCS SCU:

1. Format the USB flash drive using fat 32 filesystem.
2. Perform USB reset from virtual media and attempt to detect the drive through UCS SCU.

If this procedure does not solve the problem, change the USB flash drive.

- CSCtx12491

Symptom: Clicking the **Back** button in the Online Help opens the License page of UCS SCU.

Workaround: No workaround exists for this problem.

- CSCtw52018

Symptom: The following error message is displayed while installing Red Hat Enterprise Linux 5.7 servers:

Error opening /tmp/sdb: No medium found.

Workaround: Press **Cancel** when this message appears during installation.

Cisco Driver Update Utility

- CSCty35411

Symptom: While launching the utility, the following error message is displayed:

This hardware platform is not supported by this CD.

Workaround: Reboot the server and try again.

- CSCty35381

Symptom: The Driver Update Utility does not list Broadcom 57712 dual port adapter.

Workaround: Download the latest driver for the adapter from the Cisco Website, or from the driver ISO partition on the Cisco Flexible flash drive.

Symptom Linux mouse emulation is calculated, unlike Windows mouse emulation. There are situations when the KVM Linux mouse emulation gets out of sync with the host's mouse: Novell/SUSE's install DVD for SLES doesn't include mouse acceleration. The X setup for the install DVD is very basic, unlike RHEL's. A mouse will work on SLES once it is installed but lags during the installation. On Linux, you

can switch between graphical and text mod using the Ctrl-Alt-F1 for text and Ctrl-Alt-F7 to go back to graphical mode. The KVM Linux mouse emulation sometimes gets out of sync when switching between modes.

Workaround When the mouse gets out of sync in Linux, the user must force KVM to recalculate it. There are two ways to force KVM to recalculate the Linux mouse: 1) In KVM, go to the **Tools->Session Options->Mouse** tab and press the button for Linux Mouse Acceleration and then press "Apply" and "OK". If the Linux Mouse Acceleration is already selected, the user can still press "Apply" and then "OK" to force it to recalculate. 2) Move the mouse out of the KVM window to the right of the window and back into the KVM window, forcing it to recalculate the mouse position again. (CSCtc12265)

Related Documentation

For configuration information for this release, see the following:

- [Cisco UCS Server Configuration Utility, Release 3.1\(4\) User Guide](#)
- [Cisco Driver Update Utility, Release 3.1\(2\) User Guide](#)

The following related documentation is available for the Cisco Unified Computing System:

- [Cisco UCS C-Series Servers Documentation Roadmap](#)
- [Cisco UCS Site Preparation Guide](#)
- [Regulatory Compliance and Safety Information for Cisco UCS](#)

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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