Release Notes for Cisco UCS C-Series Software, Release 1.5(3d)

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This document describes the new features, system requirements, open caveats and known behaviors for C- series software release 1.5(3d) including Cisco Integrated Management Controller software and any related BIOS, firmware, or drivers. Use this document in conjunction with the documents listed in the "Related Documentation" section on page 62.

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.

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Table 1 Online History Change

Part Number	Revision	Date	Description
OL-28995-01	A0	March 04, 2013	Created release notes for Release 1.5(1)
	B0	March 24, 2013	Following were the changes made in this revision: • Updated the version to 1.5(1f) for C22, C24, C220, C240, C260, C420 and C460 servers. • Updated Open Caveats, Resolved Caveats and Known Behaviors section with information on release 1.5(1f).
	C0	June 11, 2013	Following changes were made in this revision: • Updated the version to 1.5(1j) for C22, C24, C220, and C240 servers. • Updated Resolved Caveats section with information on release 1.5(1j).

Table 1 Online History Change (continued)

Part Number	Revision	Date	Description
	D0	June 19, 2013	Following changes were made in this revision: • Updated the version to 1.5(1k) for C22, and C24 servers. • Updated the version to 1.5(1j) for C260, C420 and C460 servers.
	E0	July 16, 2013	Following changes were made in this revision: • Updated the version to 1.5(1l)3 for C22, C24, C220, C240, C260, C420, and C460 servers. • Added support for Cisco UCS Manager 2.1(2) • Updated Open Caveats section with information on release 1.5(1l)3.
	F0	August 15, 2013	Following changes were made in this revision: • Updated the version to 1.5(2) to C22, C24, C220, C240, C260, C420 and C460 servers. • Updated the Open Caveats, Known Behaviors, and Resolved Caveats section with information on release 1.5(2).
	G0	September 10, 2013	Following changes were made in this revision: • Updated the HUU ISO version to 1.5.3.2 to C220 and C240 servers. • Updated the HUU ISO version to 1.5.2.3.iso for C22, C24, C260, C420, and C460 servers. The VIC firmware versions for these servers have also been updated. • Updated the Supported Software Features section with information on 1.5(3) release. • Updated the Open Caveats, Known Behaviors, and Resolved Caveats sections with information on release 1.5(3).
	H0	October 11, 2013	Following changes were made in this revision: • Updated HUU ISO version to 1.5.3d for C22, C24, C220, C240, C260, C420 and C460 servers. • Updated Resolved Caveats and Open Caveats section with information on release 1.5.3d

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Introduction

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Overview of the Server Models

This section includes the following sections:

Overview of Cisco UCS C460 and C260 Rack Servers

The Cisco UCS C460 High-Performance Rack-Mount Server is designed with the performance and reliability to power compute-intensive, enterprise-critical standalone applications and virtualized workloads. The system is a four-rack-unit (4RU) rack-mount server supporting up to four Intel Xeon 7500 series processors, up to 512 GB of DDR3 memory in 64 slots, and 12 small form-factor (SFF) hot-pluggable SAS and SATA disk drives. Abundant I/O capability is provided by 10 PCI Express (PCIe) slots supporting the Cisco UCS C-Series network adapters, with an eleventh PCIe slot reserved for a hard

disk drive array controller card. Additional I/O is provided by two Gigabit Ethernet LAN-on-motherboard (LOM) ports, two 10 Gigabit Ethernet ports, and two dedicated out-of-band (OOB) management ports.

The Cisco UCS C260 High-Performance Rack-Mount Server is designed with the performance and reliability to power compute-intensive, enterprise-critical standalone applications and virtualized workloads. The system is a two-rack-unit (2RU) rack-mount server supporting up to two Intel Xeon 7500 series processors, up to 1 TB of DDR3 memory in 64 slots, and 16 small form-factor (SFF) hot-pluggable SAS and SATA disk drives. Abundant I/O capability is provided by 7 PCI Express (PCIe) slots supporting the Cisco UCS C-Series network adapters and hard disk drive array controller cards. Additional I/O is provided by two Gigabit Ethernet LAN-on-motherboard (LOM) ports, two optional 10 Gigabit Ethernet LOM ports, and two dedicated out-of-band (OOB) management ports.

This server is shipped from the factory with one pre-installed Cisco Flexible Flash card. The slots for these cards are on the I/O riser.

The Cisco UCS 460 M2 and the Cisco UCS 260 M2 interfaces with Cisco UCS using the Cisco UCS Virtual Interface Card (VIC); 1225 and P81E. The Cisco UCS VIC is a virtualization-optimized Fibre Channel over Ethernet (FCoE) PCI Express (PCIe) 2.0 x8 10-Gbps adapter designed for use with Cisco UCS C-Series servers. The VIC is a dual-port 10 Gigabit Ethernet PCIe adapter that can support up to 128 (P81E) or 256 (1225) PCIe standards-compliant virtual interfaces, which can be dynamically configured so that both their interface types-network interface card (NIC) or host bus adapter (HBA) and identity (MAC address and worldwide name (WWN))-are established using just-in-time provisioning. In addition, the Cisco UCS VIC can support network interface virtualization and Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology.

Overview of Cisco UCS C420 M3 Rack Servers

The Cisco UCS C420 M3 Rack Server is a high-density, 4-socket, 2-rack-unit (2RU) rack server designed for computing, I/O, storage, and memory-intensive standalone applications. The Cisco UCS C420 M3 extends the capabilities of the Cisco Unified Computing System™ (Cisco UCS) using Intel Xeon processor E5-4600 Series multicore processors to deliver increased performance and efficiency.

The Cisco UCS C420 M3 is part of the Cisco UCS solution, which combines rack and blade servers with networking and storage access into a single unified system. Centrally configured through unified, model-based management, Cisco UCS simplifies and accelerates deployment of enterprise-class applications running in bare-metal, virtualized, and cloud-computing environments.

Designed for enterprise-class performance and scalability, the Cisco UCS C420 M3 combines the advantages of 4-socket computing with the cost-effective Intel Xeon processor E5-4600 product family for demanding virtualization, database, and high-end high-performance computing (HPC) workloads. The dense and expandable Cisco UCS C420 M3 is a balanced, high-performance platform that complements the Cisco UCS Rack Server portfolio. The 2RU Cisco UCS C420 M3 supports 48 DIMM slots, 16 disk drives, seven PCIe expansion slots, and four 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports. It uses unique Cisco UCS and virtual interface card (VIC) technology and delivers one-wire participation in Cisco UCS domains. The Cisco UCS C420 M3 interfaces with Cisco UCS using another Cisco innovation: the Cisco UCS VIC 1225. The Cisco UCS VIC 1225 is a dual-port Enhanced Small Form-Factor Pluggable (SFP+) 10 Gigabit Ethernet and Fibre Channel over Ethernet (FCoE)-capable PCI Express (PCIe) card designed exclusively for Cisco UCS C-Series Rack Servers. It incorporates Cisco's next-generation converged network adapter (CNA), providing investment protection for feature releases. The card enables a policy-based, stateless, agile server infrastructure that can present up to 256 PCIe standards-compliant interfaces to the host that can be dynamically configured as either network interface cards (NICs) or host bus adapters (HBAs). In addition, the Cisco UCS VIC

1225 supports Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology, which extends the Cisco UCS fabric interconnect ports to virtual machines, simplifying server virtualization deployment.

Overview of Cisco UCS C220 M3 and C240 M3 Rack Servers

The Cisco UCS C220 M3 Rack Server is designed for performance and density over a wide range of business workloads, from web serving to distributed databases. The enterprise-class Cisco UCS C220 M3 server extends the capabilities of the Cisco UCS portfolio in a 1RU form factor with the addition of the Intel® Xeon® processor E5-2600 product family. In addition, the Cisco UCS C220 M3 server offers up to two Intel® Xeon® Processor E5-2600 product family, 16 DIMM slots, eight disk drives, and two 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports.

The Cisco UCS C240 M3 Rack Server is designed for both performance and expandability over a wide range of storage-intensive infrastructure workloads, from big data to collaboration. The enterprise-class Cisco UCS C240 M3 server further extends the capabilities of the Cisco UCS portfolio in a 2RU form factor with the addition of the Intel® Xeon® processor E5-2600 product family. The Cisco UCS C240 M3 offers up to two Intel® Xeon® processor E5-2600 product family, 24 DIMM slots, 24 disk drives, and four 1 Gigabit Ethernet LOM ports.

The Cisco UCS C220 M3 and the Cisco UCS C240 M3 interfaces with Cisco UCS using the Cisco UCS Virtual Interface Card (VIC); 1225 and P81E. The Cisco UCS VIC is a virtualization-optimized Fibre Channel over Ethernet (FCoE) PCI Express (PCIe) 2.0 x8 10-Gbps adapter designed for use with Cisco UCS C-Series servers. The VIC is a dual-port 10 Gigabit Ethernet PCIe adapter that can support up to 128 (P81E) or 256 (1225) PCIe standards-compliant virtual interfaces, which can be dynamically configured so that both their interface types-network interface card (NIC) or host bus adapter (HBA) and identity (MAC address and worldwide name (WWN))-are established using just-in-time provisioning. In addition, the Cisco UCS VIC can support network interface virtualization and Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology.

Overview of Cisco UCS C22 M3 and C24 M3 Rack Servers

The Cisco UCS C22 M3 Rack Server is an entry-level UCS server designed for both performance and density over a wide range of business workloads, including enterprise web/file/print server and HPC. The enterprise-class Cisco UCS C22 M3 server extends the capabilities of the Cisco UCS portfolio in a 1RU form factor with the addition of the Intel Xeon E5-2400 product family. In addition, the Cisco UCS C22 M3 server offers up to two Intel® Xeon® Processor E5-2400 product family processors, 12 DIMM slots, 8 disk drives, and two 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports.

The server is orderable in two different versions, each with one of two different front panel and back plane configurations:

- Cisco UCS C22 M3, small form-factor (SFF) drives with 8-drive backplane

  Holds up to eight 2.5-inch hard drives or solid state drives

- Cisco UCS C22 M3, large form factor (LFF) drives, with 4-drive backplane)

  Holds up to four 3.5-inch hard drives

The Cisco UCS C24 M3 Rack Server is designed for both performance and expandability over a wide range of storage-intensive infrastructure workloads, from big data to collaboration. The enterprise-class Cisco UCS C24 M3 server further extends the capabilities of the Cisco UCS portfolio in a 2RU form factor with the addition of the Intel® Xeon® processor Intel Xeon E5-2400 product family. The Cisco UCS C24 M3 offers up to two Intel® Xeon® E5-2400 processors, 12 DIMM slots, 24 disk drives, and two 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports.

The server is orderable in three different versions, each with one of three different front panel/backplane configurations:

- Cisco UCS C24 - small form-factor (SFF) drives, with 24-drive backplane and expander

  Holds up to twenty-four 2.5-inch hard drives or solid state drives.

- Cisco UCS C24 - small form-factor (SFF) drives, with 16-drive backplane, and no expander

  Holds up to sixteen 2.5-inch hard drives or solid state drives and enables embedded RAID to be used in the server.

- Cisco UCS C24 - large form-factor (LFF) drives, with 12-drive backplane and expander

  Holds up to twelve 3.5-inch hard drives

The Cisco UCS C22 M3 and the Cisco UCS C24 M3 interfaces with Cisco UCS using the Cisco UCS Virtual Interface Card (VIC); 1225 and P81E. The Cisco UCS VIC is a virtualization-optimized Fibre Channel over Ethernet (FCoE) PCI Express (PCIe) 2.0 x8 10-Gbps adapter designed for use with Cisco UCS C-Series servers. The VIC is a dual-port 10 Gigabit Ethernet PCIe adapter that can support up to 128 (P81E) or 256 (1225) PCIe standards-compliant virtual interfaces, which can be dynamically configured so that both their interface types-network interface card (NIC) or host bus adapter (HBA) and identity (MAC address and worldwide name (WWN))-are established using just-in-time provisioning. In addition, the Cisco UCS VIC can support network interface virtualization and Cisco® Data Center Virtual Machine Fabric Extender (VM-FEX) technology.

Overview of the Pre-Installed Cisco Flexible Flash Card

The Cisco Flexible Flash card is pre-installed with three software bundles, each on one of four preconfigured virtual drives (VDs). The fourth VD allows you to install an OS or an embedded hypervisor.

The VDs are configured with the following content:

- Cisco UCS Server Configuration Utility (SCU).
- Hypervisor (HV). This is a VD that you can use for your own purposes.
- Cisco Drivers (Drivers).
- Cisco Host Upgrade Utility (HUU).

Refer to the following documents for more information about these tasks:

- Replacing a card: Refer to any of the following:
  - *Cisco UCS C260 Server Installation and Service Guide*
  - *Cisco UCS C220 Server Installation and Service Guide*
  - *Cisco UCS C240 Server Installation and Service Guide*
  - *Cisco UCS C420 Server Installation and Service Guide*
- Enabling and booting a VD: *Cisco UCS C-Series Servers Integrated Management Controller GUI Configuration Guide* or the *Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide*
- Monitoring and managing a card with CIMC: *Cisco UCS C-Series Servers Integrated Management Controller GUI Configuration Guide* or the *Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide*

The links to these documents are in the C-Series documentation road map:

http://www.cisco.com/go/unifiedcomputing/c-series-doc

Hardware and Software Interoperability

For detailed information about storage switch, operating system, adapter, adapter utility, and storage array interoperability, see the *Hardware and Software Interoperability Matrix* for your release located at:

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

Transceivers Specifications

The Cisco UCS C-Series servers supports a wide variety of 10 Gigabit Ethernet connectivity options using Cisco 10GBASE SFP+ modules.

Table 2 and Table 3 details the controllers and the supported transceivers.

Table 2 Controllers and SFP+ Twinax Transceivers Support Matrix

Controllers (LOM and PCIe)	10GBASE-CU SFP+ Cable 1 Meter, passive	10GBASE-CU SFP+ Cable 3 Meter, passive	10GBASE-CU SFP+ Cable 5 Meter, passive	10GBASE-CU SFP+ Cable 7 Meter, active	10GBASE-CU SFP+ Cable 10 Meter, active
	SFP-H10GB-CU1M	SFP-H10GB-CU3M	SFP-H10GB-CU5M	SFP-H10GB-ACU7M	SFP-H10GB-ACU10M
Cisco UCS Virtual Interface Cards	x	x	x	x	x
Intel x520	x	x	x	x	x
Broadcom 57712	x	x	x	x	x

Table 3 Controllers and SFP+Optical Transceivers Support Matrix

Controllers (LOM and PCIe)	Intel SR Optics	JDSU (PLRXPL-SC-S43-22-N) SFP+	Cisco SFP-10G-SR
Cisco UCS Virtual Interface Cards	NA	NA	x
Intel x520	x	NA	Not supported
Broadcom 57712	NA	x	x

Firmware Files

The C-Series software release 1.5(x) includes the following software files:

Table 4 Files in this release

CCO Software Type	File name(s)	Comment
Unified Computing System (UCS) Server Firmware	ucs-c2x-huu-1.5.3d.iso ucs-c220-huu-1.5.3d.iso ucs-c240-huu-1.5.3d.iso ucs-c260-huu-1.5.3d.iso ucs-c460-huu-1.5.3d.iso ucs-c420-huu-1.5.3d.iso	Host Upgrade Utility
Unified Computing System (UCS) Drivers	ucs-cxxx-drivers.1.5.2.7.iso	Drivers
Unified Computing System (UCS) Utilities	ucs-cxxx-utils-efi.1.5.2.iso ucs-cxxx-utils-linux.1.5.2.iso ucs-cxxx-utils-vmware.1.5.2.iso ucs-cxxx-utils-windows.1.5.2.iso	Utilities
Unified Computing System (UCS) Adapter Firmware	ucs-cxxx-fw.1.5.2.iso	Third-Party Firmware

Note Always upgrade both the BIOS and the CIMC from the HUU ISO. Do not upgrade individual components (only BIOS or only CIMC), since this could lead to unexpected behavior.

Note If you choose to upgrade BIOS and the CIMC individually and not from the HUU ISO, make sure to upgrade both CIMC and BIOS to the same container release. If the BIOS and the CIMC versions are from different container releases, it could result in unexpected behavior.

Host Upgrade Utility

The Cisco Host Upgrade Utility (HUU) is a tool that upgrades the following firmware:

- Cisco Integrated Management Controller (CIMC)
- System BIOS
- LAN on motherboard (LOM)
  - Intel Ethernet i350 PCI Server Adapter
- LSI
  - LSI SAS2008
  - LSI MegaRAID SAS 9240-8i
  - LSI MegaRAID SAS 9220-4i

  - LSI MegaRAID SAS 9220-8i
  - LSI MegaRAID SAS 9261-8i
  - LSI MegaRAID SAS 9266-8i
  - LSI MegaRAID SAS 9266CV-8i
  - LSI MegaRAID SAS 9260-8i
  - LSI MegaRAID SAS 9240-8i
  - LSI MegaRAID SAS 9265CV-8i
  - LSI MegaRAID SAS 9271CV-8i
  - LSI MegaRAID SAS 9286CV-8e
- Cisco UCS VIC P81E
- Cisco UCS VIC 1225
- Cisco UCS VIC 1225T
- Broadcom PCI adapters
  - 5709 Dual and Quad port adapters
  - 57712 Dual port adapter
  - 57711 Dual Port
  - 57712 10GBaseT
  - 57810 Dual port
- Intel adapters
  - i350 Quad port adapter
  - X520 Dual port adapter
  - X540 Dual port adapter
  - 82576 Quad port
- QLogic Adapters
  - QLogic-2462
  - QLogic-2562
  - QLogic-8152
  - QLogic-8242
- Emulex adapters
  - EMULEX-LPe11002
  - EMULEX-LPe12002
  - EMULEX-LPe16002
  - EMULEX-OCe11102
  - EMULEX-OCe10102
- HDD (SFF)
  - A03-D146GC2
  - UCS-HDD300GI2F105
- HDD (LFF)

- UCS-HDD3TI2F214
- UCS-HDD2TI2F213
- UCS-HDD1TI2F212

The image file for the firmware is embedded in the ISO. The utility displays a menu that allows you to choose which firmware components to upgrade. For more information on this utility see:

http://www.cisco.com/en/US/products/ps10493/products_user_guide_list.html

Starting with 1.4 release, separate ISO images of Host Upgrade Utility are available for different server platforms.

The ISO image is now named as ucs-<*server_platform*>-huu-<*version_number*>.iso.

The Cisco Host Upgrade Utility contains the following files:

Table 5 Files in ucs-c22-huu-1.5.3d.iso

Server(s)	Component	Version
C22	CIMC	1.5(3d)
	BIOS	1.5.1h.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1255T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Intel-i350 (4-port)	1.59 - 02.10 - 2.7.105 - 1.3.82 - 5.0.05 - 2.7.105
	Intel-i350 (2-port)	1.63 - 02.13 - 2.8.12-1.5.04-5.5.23-2.8.12
	LSI	
	LSI 9220-4i	2.130.384-2748
	LSI 9220-8i	2.130.384-2748
	LSI-9240-8i	2.130.384-2748
	LSI-9265-8i	3.240.95-2788
	LSI 9265CV-8i	3.240.95-2788
	LSI-9270CV-8i	3.240.95-2788
	LSI-9285CV-8e	3.240.95-2788
	LSI-9286CV-8e	3.240.95-2788
	PCI	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-82576-Quad-Port	1.2-07.83-1.3.50
	INTEL-I350	1.63 - 02.13 - 2.8.12-1.5.5.23-2.8.12
	INTEL-X520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL-X540	4.04 - 02.15- 2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-2672	6.06.03

Table 5 Files in ucs-c22-huu-1.5.3d.iso (continued)

Server(s)	Component	Version
	QLOGIC-8242	4.12.52
	QLOGIC-8362	5.2.18
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01A11)
	Emulex LPe16002 adapter	1.1.43.3-1.1.43.3
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	FUSION IO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 6 Files in ucs-c24-huu-1.5.3d.iso

Server(s)	Component	Version
C24	CIMC	1.5(3d)
	BIOS	1.5.1h.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Intel-i350 (4-port)	1.59-02.10-2.7.105-1.3.82-5.0.05-2.7.105
	INTEL i350 (2-port)	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	LSI	
	LSI-9220-4i	2.130.384-2748
	LSI-9220-8i	2.130.384-2748
	LSI-9240-8i	2.130.384-2748
	LSI-9265-8i	3.240.95-2788
	LSI 9265CV-8i	3.240.95-2788
	LSI-9270CV-8i	3.240.95-2788
	LSI-9285CV-8e	3.240.95-2788
	LSI-9286CV-8e	3.240.95-2788
	PCI	

Table 6 Files in ucs-c24-huu-1.5.3d.iso (continued)

Server(s)	Component	Version
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL-82576	1.2-07.83-1.3.50
	INTEL-X520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL-X540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-2672	6.06.03
	QLOGIC-8242	4.12.52
	QLOGIC-8362	5.2.18
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01A11)
	EMULEX-LPe16002	1.1.43.3-1.1.43.3
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	FUSION IO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 7 Files in ucs-c240-huu-1.5.3d.iso

Server(s)	Component	Version
C240	CIMC	1.5(3d)
	BIOS	1.5.3b.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Intel-i350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12

Table 7 Files in ucs-c240-huu-1.5.3d.iso

Server(s)	Component	Version
	LSI	
	UCSC 2008M-8i(R5)	2.130.384-2748
	UCSC 2008M-8i(no R5)	2.130.384-2748
	LSI 9266-8i	3.240.95-2788
	LSI 9270CV-8i	3.240.95-2788
	LSI 9271CV-8i	3.240.95-2788
	LSI-9285CV-8e	3.240.95-2788
	LSI 9286CV-8e	3.240.95-2788
	PCI	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-82576 quad port	1.2-07.83-1.3.50
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL-X520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL X540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-2672	6.06.03
	QLOGIC-8242	4.12.52
	QLOGIC-8362	5.2.18
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01 A11)
	EMULEX-LPe16002	1.1.43.3-1.1.43.3
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	FUSIONIO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 8 Files in ucs-c220-huu-1.5.3d.iso

Server(s)	Component	Version
C220	CIMC	1.5(3d)
	BIOS	1.5.3b.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Intel-i350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	LSI	
	UCSC 2008M-8i (R5)	2.130.384-2748
	UCSC 2008M-8i (no R5)	2.130.384-2748
	LSI 9266-8i	3.240.95-2788
	LSI-9270CV-8i	3.240.95-2788
	LSI 9271CV-8i	3.240.95-2788
	LSI 9285CV-8e	3.240.95-2788
	LSI 9286CV-8e	3.240.95-2788
	PCI	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-82576 quad port	1.2-07.83-1.3.50
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL-X520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL-X540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-2672	6.06.03

Table 8 Files in ucs-c220-huu-1.5.3d.iso

Server(s)	Component	Version
	QLOGIC-8242	4.12.52
	QLOGIC-8362	5.2.18
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01A11)
	EMULEX-LPe16002	1.1.43.3-1.1.43.3
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	FUSIONIO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 9 Files in ucs-c260-huu-1.5.3d.iso

Server(s)	Component	Version
C260M2	CIMC	1.5(3d)
	BIOS	1.5.1a.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Broadcom 5709-1GE	C260T7441-6.2
	Broadcom 57712-10GE	C260T7441-6.2-aa0.511
	PCIe Adapters	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57711-Dual-Port	A1113GT7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57810	A1006GT7441.0
	INTEL-82576-Quad-Port	1.2-07.83-1.3.50
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL X-520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL X-540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12

Table 9 Files in ucs-c260-huu-1.5.3d.iso

Server(s)	Component	Version
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-8152	5.09.00
	QLOGIC-8242	4.12.52
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01 A11)
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	LSI	
	9261-8i	2.130.383-2750
	FUSION IO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 10 Files in ucs-c420-huu-1.5.3d.iso

Server(s)	CIMC	1.5(3d)
C420M1	BIOS	1.5.1c.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	Intel-i350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	LSI	
	9270CV-8i	3.240.95-2788
	9271CV-8i	3.240.95-2788
	9286CV-8e	3.240.95-2788
	PCI	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-82576-Quad-Port	1.2-07.83-1.3.50
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL X-520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL X-540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-2672	6.06.03
	QLOGIC-8242	4.12.52
	QLOGIC-8362	5.2.18
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01A11)
	EMULEX-LPe16002	1.1.43.3-1.1.43.3
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	FUSION IO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

Table 11 Files in ucs-c460-huu-1.5.3d.iso

Server(s)	Component	Version
C460M1	CIMC	1.5(3d)
C460M2	BIOS	1.5.1a.0
	UCS VIC P81E	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225	2.1(3a) - uboot - 2.1(3a)
	UCS VIC 1225T	2.1(3a) - uboot - 2.1(3a)
	LOM	
	BCM5709C-1GE	C460T7441-6.2
	BCM57711-10GE	C460T7441-6.2-3.3-aa0.5ad
	PCI Adapters	
	BCM-5709-Dual-Port	A0907GT7441.0-7.4.0
	BCM-5709-Quad-Port	A0906GT7441.0-7.4.0
	BCM-57711-Dual-Port	A1113GT7441.0
	BCM-57712-10G-BaseT	A1202T7441.0
	BCM-57712-Dual-Port	A1213GT7441.0
	BCM-57810-Dual-Port	A1006GT7441.0
	INTEL-82576-Quad-Port	1.2-07.83-1.3.50
	INTEL-I350	1.63-02.13-2.8.12-1.5.04-5.5.23-2.8.12
	INTEL-X520	2.8.12-2.3.03-3.6.16-2.8.12
	INTEL-X540	4.04-02.15-2.8.12-2.3.03-3.6.16-2.8.12
	QLOGIC-2462	5.09.00
	QLOGIC-2562	5.09.00
	QLOGIC-8152	5.09.00
	QLOGIC-8242	4.12.52
	EMULEX-LPe11002	2.82A4-(Z3F2.82A4)-2.82A4-(Z3F2.82A4)
	EMULEX-LPe12002	2.01A11-(U3D2.01A11)-2.01A11-(U3D2.01 A11)
	EMULEX-OCe10102	4.6.209.2-4.6.209.2
	EMULEX-OCe11102	4.6.209.2-4.6.209.2
	LSI	
	9240-8i	2.130.384-2748
	9260-8i	2.130.383-2750

Table 11 Files in ucs-c460-huu-1.5.3d.iso

Server(s)	Component	Version
	FUSION IO	
	ioDrive2 1205M	7.1.15
	ioDrive2 3000M	7.1.15
	ioDrive2 365M	7.1.15
	ioDrive2 785M	7.1.15

HDD Firmware

Following table lists the supported HDD models and the firmware versions that can be updated using Host Upgrade Utility (HUU).

Table 12 Supported HDD models and firmware versions

HDD Model	Firmware version
ST9300653SS	0004
ST9146853SS	004
ST1000NM001	0002
ST2000NM001	0002
ST500NM0011	CC02
AL13SEB300	5703
AL13SEB600	5703
AL13SEB900	5703

System Requirements

The management client must meet or exceed the following minimum system requirements:

- Sun JRE 1.6.0_14 or later
- Microsoft Internet Explorer 6.0 or higher, Mozilla Firefox 3.0 or higher
- Microsoft Windows 7, Microsoft Windows XP, Microsoft Windows Vista, Apple Mac OS X v10.6, Red Hat Enterprise Linux 5.0 or higher operating systems

Updating the Firmware

Use the Host Upgrade Utility to upgrade the C-Series firmware. Host Upgrade Utility can upgrade the following software components:

- BIOS
- CIMC
- Cisco VIC Adapters
- LSI Adapters

- LAN on Motherboard Settings
- PCIe adapter Firmware
- HDD firmware

All firmware should be upgraded together to ensure proper operation of your server.

Upgrading BIOS and CIMC Firmware

Caution When you upgrade the BIOS firmware, you must also upgrade the CIMC firmware from the same HUU ISO, or the server may not boot. Do not power off the server until the BIOS and CIMC firmware are updated.

Cisco provides the Cisco Host Upgrade Utility to assist you in upgrading the BIOS, CIMC, LOM, LSI storage controller, and Cisco UCS Virtual Interface Cards firmware to compatible levels.

Note When upgrading the CIMC firmware for the UCS C-series M3 platforms, ensure that you update using the full image (for example upd-pkg-c2XX-m3-cimc.full.*.bin).

The correct and compatible firmware levels for your server model are embedded in the utility ISO.

To use this utility, use the *Cisco Host Upgrade Utility User Guide* which includes the instructions for downloading and using the utility ISO. Select the guide from this URL:

http://www.cisco.com/en/US/products/ps10493/products_user_guide_list.html

Supported Features

This section includes the following topics:

Supported Software Features

Supported Features in Release 1.5(3)

The following new software features are supported in Release 1.5(3):

- Intel E5-2600 v2 Series CPUs support on C220 and C240 servers.

  For information on upgrading your server to use Intel E5-2600 v2 Series CPU, see the *Cisco UCS C-series Servers Upgrade Guide for Intel E5-2600 v2 Series CPUs* guide, available at:

  http://www.cisco.com/en/US/docs/unified_computing/ucs/c/CPU/IVB/install/IVB-C.html

Note If you have installed 1.5(3) version of CIMC and BIOS on C220 and C240 servers that are configured with Intel E5-2600 v2 Series CPUs, you should not downgrade to any prior versions of CIMC and BIOS. If you do downgrade to a prior version, the servers will not boot.

- Support for 1866 MHz DIMM

Supported Features in Release 1.5(2)

The following new software features are supported in Release 1.5(2):

- Cisco usNIC for low-latency Open MPI applications using the Cisco VIC 1225 or 1225T adapter

  For more information on Cisco usNIC, see the *Cisco usNIC Deployment Guide for Standalone C-series Servers*.

  Following are the configuration limits with Cisco usNIC:

  - Maximum of 2 VIC adapters per-server
  - Maximum of 16 usNIC enabled vNICs per VIC-adapter
  - Maximum of 64 usNICs per-vNIC
  - Maximum of 128 usNICs per-VIC-adapter (64 per-vNIC, with 2 vNICs)
  - Maximum of 256 usNICs per-server (64 per-vNIC, with 2 vNICs per-VIC adapter)
- Fan profiles for better thermal control
- LDAP support extended to include RedHat Directory Server, Novell eDirectory, OpenLDAP, Microsoft Active Directory, and Oracle OpenDS
- Enhanced DHCP registration
- Cisco card mode support for the Cisco VIC 1225T adapter
- XML API enhancements
- CIMC Certificate enhancements
- LED_HLTH_STATUS integrated with CIMC storage management faults (Not applicable for C260 and C460 servers)
- Support for additional PCIe cards
- Support for updating HDD firmware using Host Upgrade Utility
- Support for persistent DIMM ECC error counters
- Intel Errata on Intel Xeon Processors

  The BIOS image with this release contains the Microcode Update which fixes the Intel VT FlexPriority Errata which is documented in the **Intel Public Spec Update for Aug 2013**. This errata impacts all Cisco UCS C-series servers.

Supported Features in Release 1.5(1)

The following new software features are supported in Release 1.5(1):

- Intel RSTe software RAID on C220 servers with passthrough mode and RHEL 6.3 and 6.4
- Support for Cisco UCS Manager 2.1(2)
- Support for new VIC 1225T with PID UCSC-PCIE-C10T-02

- Support for the following new servers:
  - C240 M3 NEBS
  - C24 M3 SFF 16 HDD
  - C22 M3 and C24 M3 LFF
- Improved fault reporting through CLI, Web UI, syslog, XML, and SNMP
- CIMC mapping vMedia
- Storage configuration with CIMC CLI and Web UI
- Enhanced storage monitoring
- Non-interactive Host Upgrade Utility
- iSCSI Boot with the following adapters:
  - VIC 1225 or 1225T,
  - Intel i350, X520, or X540, and
  - Broadcom 5709, 57711, or 57712
- Support for TFTP, FTP, SFTP, SCP, and HTTP protocols for the following tasks:
  - Updating the BIOS
  - Updating the CIMC firmware
  - Updating the VIC firmware
  - Exporting the tech support information for CIMC
  - Importing and Exporting CIMC configuration
  - Importing and exporting VIC configuration
- PCI Adapter MAC address display
- Support for Nvidia GPU cards
- Support for Virident cards
- F7 based BIOS diagnostics
- CIMC NTP support
- CIMC graphical DIMM display
- NMI generation from CIMC
- Enhanced XML API
- Enhanced SNMP
- Dual FlexFlash with RAID 1 for Hypervisor partition
- Defect fixes

Software Utilities

The following standard utilities are available:

- Host Update Utility (HUU)
- Server Config Utility (SCU) including Interactive Offline Diagnostics (IOD)
- BIOS and CIMC Firmware Update utilities

The utilities features are as follows:

- Availability of HUU, SCU on the USB as bootable images. The USB also contains driver ISO, and can be accessed from the host operating system.

Supported Platforms

The following platforms are supported in Release 1.5(1):

- UCS-C460
- UCS-C420
- UCS-C260
- UCS-C220
- UCS-C240
- UCS-C22
- UCS-C24

SNMP

The supported MIB definition for Release 1.5(1) and later releases can be found at the following link: ftp://ftp.cisco.com/pub/mibs/supportlists/ucs/ucs-C-supportlist.html

Note The above link is incompatible with IE 9.0.

Supported Storage Controllers

SNMP supports the following storage controllers:

In C22

- MegaRAID 9265CV-8i
- MegaRAID 9240-8i
- MegaRAID 9220-8i
- MegaRAID 9220-4i

In C24

- MegaRAID 9265CV-8i
- MegaRAID 9240-8i
- MegaRAID 9220-8i

In C220 and C240

- Cisco UCSC RAID SAS 2008M-8i
- LSI-9266CV-8i

- LSI-9266-8i

In C260

- MegaRAID 9261-8i

In C420

- MegaRAID 9271-8i
- MegaRAID 9286-8e

In C460

- MegaRAID 9240-8i
- MegaRAID 9260-8i

Resolved Caveats

This section lists the resolved caveats for the following:

Release 1.5(3d)

Following defects were resolved in Release 1.5(3d):

CIMC

Symptom C-series M3 intermittently losing access to flexflash and SD card.

Workaround Reset the flexflash controller from WEBUI/CLI or reboot CIMC. (CSCuh33982)

XML API

Symptom XMLAPI server goes dead several days after frequent processing of 11+ simultaneous xmlapi queries.

Workaround Complete the following steps:

Step 1 Use aaaLogin to obtain the XML API Session cookie and use the cookie to query the below classes

Step 2 Query the below objects at 1 minute interval using the XML API session cookie:

- equipmentFan
- storageLocalDiskSlotEp
- storageController (this inHierarchial=true is already retrieving storageLocalDisk, storageVirtualDrive, and storageRaidBattery)
- equipmentPsu

Step 3 Query the below objects at 5 minutes interval using the XML API session cookie.

- statsCurr
- topSystem
- memoryUnit
- processorUnit

Do not logout of the cookie obtained in step 1. Also, the cookie will not expire as client is query xmlapi well before the cookie expires in 10 minutes) (CSCui20368)

Release 1.5(3)

Following defects was resolved in Release 1.5(3):

BIOS

Symptom Server hangs with blinking cursor before loading the OS, in the follow on (turnup) boot after association is complete.

Workaround Restart the server from UCSM. (CSCua86734)

Symptom The following error is reported in the CIMC SEL Logs:

```
System s/w event:Post sensor, DXE boot services driver unrecognized [0xB6A3] was asserted?
```

Workaround None. Ignore this error as it does not have any functional impact on the system. (CSCub21476)

Symptom After upgrading the LOM firmware from this release, LOM PXE boot entries gets shuffled in the boot order. You may experience that system cycle through all other network boot devices before trying to boot from LOM PXE boot.

Workaround Go to BIOS setup boot manager page and reorder the network boot device entries as per the need. (CSCui41691)

CIMC

Symptom Storage controller information is not populated in CIMC. As a result, the storage controller becomes unmanageable by CIMC.

Workaround Complete the following procedure:

Step 1 Power off the host.

Step 2 Reboot the CIMC.

Step 3 From the CIMC, power on the host.

Step 4 Wait for the storage subsystem to have time to refresh its data (sometimes requires 5 or more minutes), and log out and log in again to the CIMC WebUI. You will know this is successful when the proper controller list shows up in the Storage tab. (CSCuh60054)

VIC Firmware

Symptom Sometimes, when a server is connected to N3548, the link goes down after the server is rebooted.

Workaround Reboot server once more, and flap the link on N3548 at the same time. (CSCui17668)

Release 1.5(2)

Following are the resolved caveats for Release 1.5(2):

CIMC

Symptom Two mappings with same volumeName may be created, causing undesired effect.

Workaround Do "show mapping [detail]" and delete the failed mapping before attempting another mapping with same volumeName. (CSCud52530)

Symptom Sometimes LUN details are not updated in SNMP inventory.

Workaround Restart the CIMC to force refresh of the SNMP LUN information. (CSCtz86019)

Symptom Sometimes upon the initial login to the WebUI after restoring the CIMC to factory defaults, an error popup saying "Error: unexpected error" displays.

Workaround Log out of the WebUI and log back in. (CSCud69474)

Symptom When learn cycle is started on TMM-C SuperCap from the WebUI or the CLI, it fails with the following error message:

```
Failed to Set BBU properties
```

This error message displayed is not very meaningful to understand why starting learn cycle failed for the TMM-C SuperCap.

Workaround The TMM-C SuperCap does not support starting learn cycle manually as they are always in transparent learn mode. This explains the failure in starting the learn cycle. A meaningful error message will be provided in future releases. (CSCud96082)

Symptom Some LSI MegaRAID controllers support only a subset of the RAID levels (0, 1, and 10), but pmcli create-virtual-drive command additionally displays 5, 6, 50, and 60 as candidates for virtual drive creation. But if one of the latter RAID levels is selected, the virtual drive creation fails.

Workaround The operation fails on these controllers, so instead specify a supported RAID level, or use WebUI to create virtual drives, as the WebUI only presents valid options to the user. (CSCud96669)

Symptom Occasionally a spurious fault is generated that a nonexistent drive is missing.

Workaround Ignore the spurious fault. (CSCue82487)

Symptom No fault and no SNMP traps are reported when a virtual drive consistency check fails.

Workaround Check the consistency check status using the CIMC's web interface or host-based MSM or MegaCLI interface. (CSCud03744)

Symptom vmedia is not usable in BIOS boot order when using a VIC P81E card.

Workaround No workaround. This is a known behavior with P81e card. This card gets reset during host reboot, due to that vKVM and vMedia sessions are getting closed and BIOS boot order is lost due to power savings mode. The new generation VIC 1225 card does not have this issue if CIMC network mode is configured to cisco_card. (CSCud08544)

Symptom SEL entries not appearing in fault page.

Workaround Clear the SEL. (CSCue83837)

Symptom Cisco Card and Shared LOM Extended mode cannot be set for the VIC 1225T adapter.

Workaround There is no workaround for this issue. (CSCue46850)

Symptom C420 CIMC log can often contain many messages similar to this.

```
2012 Nov 13 20:55:02 Debug         BMC:kernel:-
<7>[i2c_controller_transfer_bytes]:1267:Receiver NACK to data byte on bus 0x17 and device
0xE0
```

Workaround Disable Debug logging in CIMC log. (CSCuc72105)

BIOS

Symptom Cannot setup the CIMC. The system tries to boot, but cannot access CIMC, and the following error message is displayed during CIMC setup:

```
Error locating IPMI Protocol
```

Workaround Use one of the following methods:

- Use the KVM cable supplied with the server to connect to the monitor using the slot provided on the front panel.
- Disconnect the VGA cable, plug the AC, wait for at least 30 seconds and connect the VGA cable before powering on the server. (CSCud41102)

LSI

Symptom The SSD Caching is enabled even when SSD are not part of the virtual drive.

Workaround There is no effect on virtual drive performance when virtual drives do not have SSDs.(CSCuc13837)

Symptom LSI Storage controller Firmware upgrade using LSI GUI Application MSM for 9240-8i cards fail with "Controller Out of Memory Error".

Workaround Use LSI CLI Application MegaCli for firmware upgrades on LSI 9240-8i cards. The MegaCli application displays the message that "Controller out of memory" but the firmware upgrade succeeded message is also seen along with system reboot needed for change to take effect. Ignore the message about "Controller out of memory" and reboot the system for LSI Firmware update to take effect. (CSCtz86993)

Symptom ESXi 5.0 experiences PSOD with following backtrace

```
PF Exception 14
megasas_reset_fusion
vmklnx_workqueue_callout
helpFunc@vmkernel
```

Workaround Contact Cisco TAC. (CSCuh86924)

Symptom Servers using 2008M-8i MEZZ card display unusually high HDD temperatures sometimes in the range of 150 F.

Workaround The LSI MEZZ 2008-8i is reporting false temperature values occasionally for some HDDs. The actual HDD temperatures are well within the expected range. The reporting issue will be fixed in the next LSI controller firmware release.(CSCuc33600)

Symptom The C460 server with 9240-8i card hangs during the virtual drive creation when you use either MSM or MegaCli LSI applications from any of the supported OS.

Workaround Restart the system if the system hangs during the virtual drive creation. We recommend you limit to one stripe size for all the VDs on a controller. (CSCtw64310)

Symptom The Storage Controller name in Device Manager under Windows 2008 R2 SP1 for C240 server showed as C220 for Server model number instead of C240.

Workaround None (CSCtz48278)

Symptom RAID Controller keeps beeping (1 sec on, 3 sec off). But RAID status is fine.

- No drives are offline.
- No drives are degraded.
- No RAID is rebuilding.

Workaround Complete the following steps for all online physical drives. Please do not reboot the system while these steps are performed. You perform these steps under the Logical View of the drives.

Step 1 Go to WebBIOS. Accessible by pressing Ctrl+H during LSI Option Rom loading during POST.

Step 2 In the default WebBIOS screen Logical View, click on the 1st configured physical drive under Drives list.

Step 3 In the next screen, select the **Make Drive Offline** radio button, and then **Go > Yes**.

Step 4 In the next screen, select the Mark as Missing radio button and click **Go**.

Step 5 In the next screen, select the Replace Missing PD radio button and click **Go**.

Step 6 In the next screen, select the Make Online radio button and then **Go > Yes**.

Step 7 Click the **Home** button.

Step 8 Repeat steps 2-7 for all the remaining configured/online physical disks, without rebooting. The alarm should stop after you have done the above steps to all affected physical drives.(CSCuf24540)

Symptom Windows 2008 R2 SP1 installation fails on C24 M3 servers on LSI 9240- 8i MegaRAID SAS HBA.

Workaround None (CSCui37932)

SNMP

Symptom Unreliable results for snmpwalk.

Workaround Currently, there is no workaround (CSCuf85434)

Symptom The affected object id displayed for some entities during an snmpwalk/snmpget query on the cucsFaultTable.

Workaround None (CSCuh27795)

Web-Management

Symptom Occasionally when CIMC boots, the HTTP Web UI will not start.

Workaround Reboot CIMC. (CSCtx19968)

Release 1.5(1j)

Following are the resolved caveats for Release 1.5(1j):

Symptom Image transfers through CIMC dedicated port may fail with timeout.

Workaround None (CSCuh18887)

Symptom Spurious CATERR logged in System Event Log which will be deasserted immediately.

Workaround Ignore the event if a deasserted event is also present immediately within few seconds. (CSCug95276)

Release 1.5(1f)

Following are the resolved caveats for Release 1.5(1f):

CIMC

Symptom An idle C240 system with LSI 9286 card may show higher card temperatures for 9286.

Workaround None (CSCue95493)

Symptom When the KVM console is launched with a non-English locale, the following Java NullPointerException error will be shown in the Java Console and the KVM console will not start:

```
java.lang.NullPointerException
    at java.util.Properties$LineReader.readLine(Unknown Source)
    at java.util.Properties.load0(Unknown Source)
    at java.util.Properties.load(Unknown Source)
    at com.avocent.app.kvm.macros.MacroKeyStrokeMap.init(Unknown Source)
    at com.avocent.app.kvm.macros.MacroKeyStrokeMap.init(Unknown Source)
    at com.avocent.app.kvm.macros.MacroHotkeyManager.initCustom(Unknown Source)
    at com.avocent.app.kvm.macros.MacroHotkeyManager.<init>(Unknown Source)
    at com.avocent.app.kvm.DefaultViewerMainController.initialize(Unknown Source)
    at com.avocent.nuova.kvm.NuovaViewerMainController.initialize(Unknown Source)
```

```
at com.avocent.nuova.kvm.Main.runApp(Unknown Source)
at com.avocent.nuova.kvm.Main.main(Unknown Source)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
at java.lang.reflect.Method.invoke(Unknown Source)
at com.sun.javaws.Launcher.executeApplication(Unknown Source)
at com.sun.javaws.Launcher.executeMainClass(Unknown Source)
at com.sun.javaws.Launcher.doLaunchApp(Unknown Source)
at com.sun.javaws.Launcher.run(Unknown Source)
at java.lang.Thread.run(Unknown Source)
```

Workaround Until a fix is released, use a non-localized system. (CSCuf04523)

Symptom FlexFlash operational profile is not preserved on upgrade, resulting in all FlexFlash partitions being visible to operating system.

Workaround Set operational profile again after upgrade. (CSCuf25497)

XML API

Symptom C-Series XML API method aaaLogin using LDAP user credentials fails.

The aaaLogin method inName property's regular expression on input validation in the API is not supporting the "@domain.com" portion of LDAP username.

Workaround None (CSCue95433)

Release 1.5(1)

Following are the resolved caveats for Release 1.5(1):

BIOS

Symptom CIMC System Event Log reports "System Software event: Post sensor, HECI or ME Firmware initialization failed [0x5301] was asserted".

Workaround None. (CSCua51565)

Symptom Discovery and Association fails when a physical CD/DVD drive is connected to the system.

Workaround Disconnect the physical CD/DVD drive (or) Go to **BIOS setup -> USB Configuration -> USB ports** and disable the USB which has a physical CD/DVD drive connected to it, during the discovery and association phases of the UCSM managed rack servers. (CSCty17725)

Symptom In BIOS setup, under CPU Power management, the C1E option does not get disabled when "Power Technology" is disabled.

Workaround If you want to disable the entire processor power management, disable "Power Technology" and the C1E option. (CSCtz04125)

Symptom When an external graphics adapter is present on the system and VGA priority is set to Offboard VGA Primary, the KVM Video screen gets stuck with the following message:

```
Configuring Platform Hardware.
```

Workaround None. This is an expected behavior. (CSCua93109)

Symptom Allow the user to manage the memory refresh rates from the BIOS setup menu.

Workaround None. (CSCuf28394)

Symptom USB Thumb drive mapped through vMedia may not get enumerated as FSx in EFI Shell.

Workaround Try one of the following workarounds:

- Open the KVM client application from a Windows based system.
- Connect the USB thumb drive to one of the physical USB ports. (CSCua73451)

CIMC

Symptom On C460 servers, the CIMC Web GUI does not display Cisco P81E card details when the main CPU is powered off.

Workaround Use the CIMC CLI or power on the main CPU. (CSCtn75815)

Symptom The SNMPv3 traps are not received in the Net-SNMP receiver.

Workaround None. (CSCtr83298)

Symptom The Web GUI and CLI are not consistent in displaying the PSU redundancy status in Cisco C22.

Workaround None. (CSCty57554)

Symptom The **DRAM_PWRGD** Sensor Reading is not shown.

Workaround None (CSCue16859)

Symptom C420 SEL can get sporadic messages similar to this:

```
2012-10-18 06:51:54 Normal     "FRU_PSU2 PSU2_PIN: Power Supply sensor for FRU_PSU2,
warning event, Upper Non-Critical going high was deasserted"
2012-10-18 06:51:54 Warning       "FRU_PSU2 PSU2_PIN: Power Supply sensor for FRU_PSU2,
failure event, Upper Critical going high was deasserted"
2012-10-18 06:51:52 Informational "LED_PSU_STATUS: Platform sensor, AMBER was asserted"
2012-10-18 06:51:52 Informational "FRU_MB LED_HLTH_STATUS: Platform sensor for FRU_MB,
AMBER was asserted"
2012-10-18 06:51:47 Critical      "FRU_PSU2 PSU2_PIN: Power Supply sensor for FRU_PSU2,
failure event, Upper Critical going high (1496 > 1400 Watts) was asserted"
2012-10-18 06:51:47 Warning       "FRU_PSU2 PSU2_PIN: Power Supply sensor for FRU_PSU2,
warning event, Upper Non-Critical going high (1496 > 1376 Watts) was asserted"
```

Workaround These messages are benign. (CSCuc79211)

Symptom When there are too many PCIe option ROMs enabled on C420, BIOS POST SEL messages will be generated but not decoded correctly by CIMC. These messages will be displayed as "System Firmware Error #0x06".

Workaround Disable unwanted option ROMs until these SEL messages disappear. (CSCuc17045)

Symptom Activating Locator LED for an HDD causes a fault for that HDD to appear in the SEL log.

Workaround Ignore this error as it is not an actual HDD fault. (CSCuc03945)

Symptom The keyboard can stop working in the Broadcom 57712 PCIe option ROM.

Workaround None (CSCtr04410)

Symptom When LSI controller is downgraded, you may view the information, for example, virtual drive, firmware, of the previous version of the LSI controller in the CIMC Web GUI and CLI.

Workaround Restart the host machine so that the correct information is propagated to the CIMC Web GUI and CLI.(CSCtx08449)

Symptom CIMC Web GUI does not reflect the "Reconstruction" virtual disk state after expanding the virtual disk.

Workaround Use the same interface that you used for configuring the virtual disk to view the “Reconstruction” state. The interface can either be Web GUI or MegaCLI. (CSCtx96912)

Symptom When mapping a removal media using Mac Client, the USB device only supports Read-Only mode.

Workaround Use Windows client or Linux 32 bit client. (CSCty32452)

Symptom When running the KVM Viewer client on a 64 bit Linux OS, block devices such as a USB stick or floppy drive will have the read only box checked when you open the vMedia tab. Trying to uncheck the read only box will fail, and devices can only be mapped as read only.

Workaround Use a 32 bit Linux OS or Windows OS for the client system running the KVM Viewer application. (CSCty37812)

Symptom When using the KVM Viewer client application with a 64 bit Linux OS, mapping both floppy disk and removable disk at the same time will cause improper functioning of the application that is, the drive data is invalid and/or cannot be read. Even mapping only a single drive (floppy or removable disk) at a time can yield unexpected failures. For example, after mapping and unmapping a USB stick, click on the exit button of the vMedia tab and reopen the vMedia tab. Now, if you try map the device again the vMedia tab will crash and all the mapped devices will be unmapped.

Note Mapping of CD-ROM drives and image files works properly, this problem is observed only when mapping physical Linux block devices such as /dev/sdX.

Workaround Perform the following steps to map physical block devices:

Step 1 Map only a single physical block device at a time (not both floppy and removable device at a time). This will usually work, but may have occasional unexpected failures. Restart the client if the vMedia tab stops functioning.

Step 2 Generate an img file of the block device contents and map this instead, this has no known issues.

Step 3 Use a 32 bit Linux OS / Windows OS / Mac OS client system to run the KVM Viewer/vMedia application. (CSCty42187)

Symptom CIMC recognizes only the SuperCap and all other information like the charge and charging state is not available.

Workaround None. (CSCtz92792)

Symptom RAID subsystem Virtual Drive write performance can drop without warning from the CIMC.

Workaround There is no immediate solution to the notification problem from the CIMC in current releases. You can try the following workarounds:

- Run regularly scheduled refresh cycles during non-peak load to prevent this issue.
- Monitor the BBU (Battery Backup Unit) charge information periodically to know the charge status.
- Configure standard host-based tools for monitoring and alerting. (CSCub12581)

Symptom When the LSI MegaRAID controller is used with the Cisco Flex Flash, SNMP_Inv_HDD:Disk_IDD N and RN shows 0,0,0 instead of 0,1,2 sequence.

Workaround Use the CIMC Web GUI to query the hard drive inventory.(CSCty26155)

Symptom The power supply serial number is unavailable in the SNMP inventory because the Power Management Bus (PMBus) has not provided the power information.

Workaround None.(CSCtw72543)

Symptom SSH session remains active even after termination using the terminate command.

Workaround Avoid the terminate session command and always close the SSH connection when you exit. (CSCua67529)

Symptom The 650W PSU shows 20-35W power usage in the standby mode.

Workaround None. This issue can be ignored. (CSCub12831)

Symptom When the LSI MegaRAID controller is used in conjunction with Cisco Flex Flash card, the SNMP_Inv_HDD:DiskPresence displays missing(11) instead of equipped(10).

Workaround Use the CIMC Web GUI to query the hard drive inventory.(CSCty26198)

Symptom The connection to the Virtual Media tab gets disconnected and OS iso that was mapped over the Virtual Media tab disappears as a result of the disconnection.

Workaround Reboot the server and restart the operating system installation. (CSCtz07699)

Broadcom Adapters

Symptom UCS C-Series server with a Broadcom 5709 stops passing traffic.

Workaround This issue is resolved in the bnx2 driver v2.1.11c or later. The UCS interoperability matrix must be observed with regard to hardware platform, firmware, driver and operating system. (CSCub93748)

Symptom Ports on the N2XX-ABPCI02 do not come up after a reboot or power cycle when running Linux.

Workaround Power cycle the server. (CSCtk66778)

LSI

Symptom An LSI 9266-8i Raid Controller may overheat in a C220 M3 server with a full compliment of HDD. An overheating LSI controller may behave unpredictably, losing VD's, and rebooting.

Workaround To minimize the risk of overheating the LSI controller, please make sure top vents are not obstructed. Do not stack anything on top of the server. If racking, please allow for several centimeters of space between servers. Avoid covering front or rear vents with labels. Use servers in a well ventilated area with lower ambient temperature. Make sure there is no obstruction to airflow in the front, rear or top of the server. (CSCue16903)

Symptom The server hangs during BIOS POST when scanning LSI devices.

Workaround When the system hangs, switch off the system and remove the failed drive. This would be the drive that has solid amber for the Status LED. The Status LED is the uppermost LED on the hard disk. After removing this drive, switch on the system. The system should now boot successfully. Replace the failed drive with a new drive. (CSCtx62350)

Symptom The 2008-8i MEZZ Card Serial number and FRU information is missing in the LSI Web BIOS and the LSI Host Application such as MSM and MegaCli.

Workaround None.(CSCtz24885)

Symptom OS installs with LSI inbox drivers even if its pointed to out of box driver v00.00.06.18.

Workaround Reinstall the drivers after OS install, which has dkms.rpm as dependency or use inbox drivers. (CSCuc39070)

Symptom When a drive rebuild is ongoing in C420 and C260 servers, the SEL will show the following entries for the drive on which the rebuild is occurring:

```
Platform alert LED_HLTH_STATUS #0x01 | LED color is amber | Asserted
Drive slot (Bay) HDD4_STATUS #0xe8 | Drive Fault | Deasserted
```

Workaround Ignore these messages as they do not indicate a bad drive. When the rebuild is done, the messages do not show up in the SEL. (CSCuc45639)

Symptom User is given this message, indicating a problem with the RAID controller cache:

```
USB cache device is not responding.
```

Workaround Power down the system for 2 minutes to attempt recovery and avoid cache data loss, and then power-on. If it fails, replace SuperCap with newer Rev-K SuperCap (49571-03). (CSCud38069)

Known Behaviors

This section lists the known behaviors for the following:

Release 1.5(3)

Following is the known behavior for Release 1.5(3):

Firmware Upgrade

Symptom Downgrading from release version 1.5(3) to 1.5(1) release version does not throw an error in Host Upgrade Utility.

Workaround This is not an issue. Though an error is not reported, the update will not proceed. (CSCui82263)

Release 1.5(2)

Following are the known behaviors for Release 1.5(2):

CIMC

Symptom C240-M3 does not power up after firmware upgrade to 1.5(1B). While upgrading via HUU from firmware 1.4(6c) to 1.5(1b), HUU did not upgrade CIMC to 1.5(1b) even though it reported as successfully completed.

Workaround Manually force CIMC and BIOS update to fix it. (CSCuf52723)

Symptom Base Distinguished Name (base-dn) parameter syntax is different in new LDAP implementation.

Workaround Use the following syntax:

```
/ldap # set base-dn DC=Scom,DC=msdn,DC=com
```

instead of

```
/ldap # set base-dn  Scom.msdn.com
```

(CSCug78887)

Symptom With Windows Active Directory, the child domain user login will fail with partial login name.

Workaround Provide fully qualified login name to make it work. (CSCuh71550)

Symptom Intel VTD and ATS are required BIOS setting for usNIC. However, there is no warning message in CIMC if these parameters are not enabled when usNIC is configured.

Workaround Make sure Intel VTD and ATS are enabled in BIOS setting when usNIC is configured (CSCuh39061)

Symptom When upgrading the C24 M3 from 1.4.7a to 1.4.7f using the HUU (option to upgrade all), the servers fans run at almost double the speed they were running at on 1.4.7a.

Workaround None (CSCuf08450)

Symptom Sometimes, a VIC link on a SFP+ copper cable goes down after a VIC reboot or CIMC reboot. Cables whose serial number starts with MOC1238 through MOC1309 could be affected.

Workaround AC power cycle the chassis to recover. (CSCug65160)

Symptom The PSU firmware revision may only be partially available when the PSU does not have AC power.

Workaround Connect the AC power to the PSU. The full firmware revision will be available. (CSCtx43305)

LSI

Symptom When booting a Cisco C22x or C24x server, RAID levels are displayed when loading the LSI Option ROM. However, not all supported RAID levels are displayed.

Workaround This is done to distinguish between different 9240 controllers. Some of them support RAID5, and some do not. There are 2 products under the same 9240 name. However, there is not enough space in the name field to list every possible RAID level supported. This is why a partial list of RAID levels is displayed. (CSCue10144)

Symptom BBU charging status always shows as Charging and percentage of charging never reaches to 100%. It always shows 67%.

Workaround This is the new change in the firmware. The Battery re-learn cycle is completed successfully and battery is charged back to 67% which is in the band gap where charging will be stopped by LSI firmware and battery will be declared optimal. This is the charge needed to retain data upto 48 hours. The Charging Status showing "Charging" as there will be some leakages and battery will slowly loose charge and hence the battery will be charging. (CSCug95648)

Symptom BBU status is showing as discharging and the charge % is stuck at 64%. Battery replacement alerts on the server. Server is showing battery discharging and there is a moderate alert which says Status: Learning Cycle Needed?

Workaround None (CSCuh82265)

Symptom Hang occurs when using 64-bit MSM 12.08.03.03.

Workaround Use 32 bit version of MSM. (CSCud13257)

Symptom Virtual Drive long running operations such as Initialization. Rebuild, Consistency Check progress are not reported correctly on CIMC WebUI and PMCLI if multiple Virtual drives are undergoing the long running operations simultaneously. The progress will be reported correctly on the first virtual drive but on the subsequent virtual drives you see "Foreground Initialization is in progress" but 0 for Progress and Elapsed time values.

Workaround Start long running operations one at a time for the virtual drives to get the correct updates on the operation in progress. Or wait for the operation to complete on one virtual drive before querying the status or progress on the other virtual drives in the list. (CSCue18569)

Host Upgrade Utility

Symptom Firmware Update on Emulex LPe16002 will fail when tried from HUU on certain servers.

Workaround Emulex LPe16002 is already at the same firmware level of what HUU is carrying. So effectively an update is not needed. alternatively move the card to another server and try update. (CSCui09482)

SNMP

Symptom C200 or Nexus 1010 Hardware generates snmp traps with the following OID's

- 1.3.6.1.4.1.3183.1.1.6.880384
- 1.3.6.1.4.1.3183.1.1.6.880385
- 1.3.6.1.4.1.3183.1.1.6.880513
- 1.3.6.1.4.1.3183.1.1.6.0

There are no MIB's available on Cisco's website to define these OID's

Workaround Use Intel PET_EVENTS.mib and manually define traps. (CSCtu14606)

Symptom When doing a MIB walk on several MIBs, they give a "No more variables left in this MIB View (It is past the end of the MIB tree)" error at the end. Failing MIBs: snmpVacmMIB

Sample good output:

```
[root@pebbles-iptv mibs]# snmpwalk -v2c -c public localhost notificationLogMIB
NOTIFICATION-LOG-
MIB::nlmConfigGlobalAgeOut.0 = Gauge32: 1440 minutes NOTIFICATION-LOG-
```

```
MIB::nlmStatsGlobalNotificationsLogged.0 = Counter32: 33 notifications NOTIFICATION-LOG-
MIB::nlmStatsGlobalNotificationsBumped.0 = Counter32: 33 notifications [root@pebbles-iptv
mibs]# **
```

Notice MIB ends cleanly, and there is no error

** Sample bad output:

```
[snmp@sv-repo ~]$ snmpwalk -t 120 -v3 -u glasco -l AuthPriv -a MD5 -A enuf4me2do -x DES -X
tqbFjotlCow 14.17.2.45 .1.3.6.1.6.3.16.1.5.2.1.6
SNMP-VIEW-BASED-ACM-MIB::vacmViewTreeFamilyStatus."all".1.1 = INTEGER: active(1)
SNMP-VIEW-BASED-
ACM-MIB::vacmViewTreeFamilyStatus."_all_".1.0 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_all_".1.1 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_all_".1.2 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_none_".1.0 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_none_".1.1 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_none_".1.2 = INTEGER: active(1) SNMP-VIEW-BASED-ACM-
MIB::vacmViewTreeFamilyStatus."_none_".1.2 = No more variables left in this MIB View (It
is past the end of the MIB tree) [snmp@sv-repo ~]$
```

To have, "No more variables left in this MIB View" when there are more mibs left to walk.

The final oid seen is 1.3.6.1.6.3.16.1.5.2.1.6, and within the error-status of the get-response packet, we get noSuchName(2), and this should be noError(0).

Workaround None (CSCug37639)

Cisco usNIC

Symptom Default setting for SRIOV in BIOS is disabled for C460 and C260. Host will not be able to see all the configured vNICs if usNIC is configured.

Workaround Manually enable SRIOV in advanced BIOS setting if usNIC is configured. (CSCug93407)

Web Management

Symptom Sometime with Windows 2008 and IE 8.0 CIMC WEB UI login prompt will not be seen

Workaround Add CIMC IP to IE 8.0 trusted sites list. In the Internet Explorer browser window, select Tools -> Internet options -> Security -> Trusted Sites -> Sites -> Add (CSCuc19323).

Symptom After clicking on "Add Exception", user is prompted with a window which says "certificate is valid" and the "Confirm Security Exception" button is greyed out.

Workaround Clear the cache or refresh multiple times the issue will be resolved. (CSCuh76949)

Release 1.5(1f)

Following are the known behaviors for Release 1.5(1f):

CIMC

Symptom FlexFlash operational profile is not preserved on downgrade from 1.5(1x), resulting in all FlexFlash partitions being visible to the operating system.

Workaround Set the operational profile again after downgrade. (CSCuf53059)

Intel RSTe

Symptom Creating RAID volumes from Intel RSTe software RAID option ROM (Control-I) is not supported.

Workaround Use LSI software RAID, LSI hardware RAID, or OS SW RAID. (CSCuf02487)

Symptom Hard drive Critical events are seen in SEL during server bootup when using Intel RSTe.

Workaround This is not a real hard drive fault. The HDD Critical events reported becomes normal after system boots up and can be ignored. If real HDD fault, then Critical event generated on HDD will be persistent and does not indicate normal even after server has booted up and in this case, user need to take action to replace that HDD. (CSCue72256)

Release 1.5(1)

Following are the known behaviors for Release 1.5(1):

BIOS

Symptom LSI Web BIOS may not launch on pressing Ctrl+H.

Workaround During BIOS post, press F6 to bringup the boot override list and select the appropriate entry to launch the web bios. (CSCuc75369)

Symptom BIOS Boot order is getting changed when a virtual media device is mounted and unmounted through CIMC WebUI vKVM console or CIMC CLI.

Workaround After unmounting the virtual media device, restore the boot order by re-configuring the boot order through either BIOS Setup or CIMC. (CSCuc60934)

Symptom C260/C460 system reboots during EFI Windows 2008 R2 installation.

Workaround EFI OS installation is not supported by the C260/C460 BIOS. You should disable the EFI-Optimized mode in the BIOS setup and install Windows 2008 R2 in legacy mode. (CSCtf87728)

Symptom Serial port B cannot be enabled for console redirection in the Server Management —> Console Redirection page of the BIOS setup.

Workaround Serial port B is primarily used for SOL functionality. The BIOS will start redirecting console messages to serial port B if SOL is enabled. You should enable SOL through BMC to get console redirection messages through serial port B. (CSCtf54851)

Symptom If the current CIMC networking mode is shipping mode, then the BIOS F8 CIMC configuration utility does not allow a new networking mode and IP address to be set at the same time.

Workaround Set the new networking mode, save, then set the new IP address and save again. (CSCth71350)

Symptom When BIOS console redirection is enabled, the keyboard can stop working in the Broadcom PCIe option ROM at some baud rates.

Workaround Disable the BIOS console redirection.(CSCtq84425)

Symptom Occasionally, when BIOS starts, the following message is displayed:

```
Error on Getting CIMC IP/MAC Address.
```

Workaround This message can be ignored.(CSCtx27907)

Symptom When Broadcom 5709 Gigabit Ethernet adapter is plugged into one of the PCIE slots, the server gets stuck at the BIOS post screen during the booting process.

Workaround Upgrade the firmware on the Broadcom 5709 Gigabit Ethernet adapter to version 5.2.7 or later. (CSCtx92042)

Symptom EFI shell cimcconfig does not work on C260 and C460.

Workaround Press F8 from BIOS POST instead to start the CIMC config tool. (CSCuc40505)

Symptom BIOS downgrade using the iFlash32 utility, from 1.4.x to the older version 1.2.x fails.

Workaround Use the startup.nsh script available in the 1.2.x container for the downgrade. This script will execute the BIOS downgrade successfully. (CSCtr93601)

CIMC

Symptom CIMC CLI does not report PID of HDD when using Intel RSTe.

Workaround None (CSCuf05110)

Symptom For a server with Virident card (or any card for which fan control has specific modifications), if CIMC is reset to factory defaults when host is on, then the fan control will go back non-card specific settings. This might imply lower fan speeds and can cause heating up of cards if there are cards present that require higher fan speeds (ex: Virident FlashMaxII card). This is because information about cards is available to CIMC from host, and when a factory default is done, this information is erased.

Workaround Reboot the host, so that CIMC can get card specific information and bump up fan speeds as required. (CSCue54670)

Symptom When you power on the chassis with some PS power cables disconnected, the system health LED on the front panel stays green, though some power supplies have no input voltage.

Workaround Connect all cables from APC power to the power supply securely. (CSCtg92856)

Symptom USB Key which is inserted on a Mac can be forced to be read-only.

Workaround Mac users must unmount the removable drive before mapping.

Step 1 Run the following command from the command line interface:

diskutil unmount /Volumes/<Volume name>

Step 2 In the KVM/vMedia client, clear the **Read Only** checkbox. At this point, the user may be prompted asking if they wish to stop automatic mounting of the drive. Click **Yes**.

Step 3 Proceed with mapping the drive.

These steps are time-sensitive, as the Mac OS is aggressive about re-mounting drives that have been unmounted. If the drive does get re-mounted by the OS before completing the steps, repeat the steps.

Alternatively, unmap the USB stick, use the Finder to eject the device, wait for the device to disappear from the vMedia Client view, and then physically remove and re-insert it while the vMedia session is running. As above, click **Yes** to the questions asking about preventing automatic mounting of the drive. (CSCtz52715)

Symptom On some Macs with spaces enabled, the vKVM popup notification that the session has ended can not be closed because trying to click the button causes the focus to move away from the space with the popup.

Workaround Move the vKVM main window to the same space with the popup notifier. Then, the popup can be dismissed by clicking on the button. (CSCua63839)

Symptom C460 CIMC network mode shared_lom_10g with active-active redundancy will lose connectivity temporarily when host OS is also using 10GE LOM port.

Workaround Do not use CIMC network mode shared_lom_10g, use one of the other modes instead. (CSCtj58245)

Symptom SNMPv1 traps are sent when SNMPv2 and SNMPv3 traps are enabled.

Workaround None.(CSCtr37876)

Symptom The KVM screen displays a blank screen.

Workaround Use the physical monitor to change the screen resolution. The following resolutions are supported:

- 640x480 (8bpp)
- 800x600 (8bpp)
- 1024x768 (8bpp)
- 1280x1024 (8bpp)
- 1600x1200 (8bpp)
- 1920x1080 (8bpp)
- 1920x1200 (8bpp)
- 640x480 (16bpp)
- 800x600 (16bpp)
- 1024x768 (16bpp)
- 1280x1024 (16bpp)
- 1600x1200 (16bpp)
- 1920x1080 (16bpp)
- 1920x1200 (16bpp)
- 640x480 (24bpp)
- 800x600 (24bpp)
- 1024x768 (24bpp)
- 1280x1024 (24bpp)
- 640x480 (32bpp)
- 800x600 (32bpp)
- 1024x768 (32bpp)
- 1280x1024 (32bpp) (CSCtx00839)

Symptom After firmware updates, the CIMC Web GUI and CLI might not display the Virtual Drive Information under the Virtual Drive tab and might display the Virtual Drive count as zero even though the Virtual Drive tab displays the list of virtual drives present in the system.

Workaround Restart the CIMC. (CSCtx88183)

Symptom The SNMP Hard Disk Inventory starts numbering with 0 while the CIMC HDD sensor starts with 1.

Workaround None. This symptom occurs because the SNMP Hard disk inventory matches with the storage inventory and both starts with index 0. The hard disk sensor numbering starts with 1 because it matches with the label in the SKU. You need to be aware of the difference and map it accordingly while browsing for a specific HDD detail across sensors and storage inventory. (CSCty58229)

Symptom The HDD presence cannot be viewed through SNMP.

Workaround Use either alternate interfaces or do SNMP query again for the HDD inventory after the action. (CSCty60975)

Symptom Duplicate SNMP traps are obtained when you insert Fan 2,4 and 5 in Cisco C22.

Workaround None. (CSCua11831)

Symptom "Unable to communicate with FlexFlash" error message is seen after downgrading CIMC to version 1.4.

Workaround User should select the Reset Flex Controller button twice if the SD card is of type SD253. If not, select the button only once. (CSCuc87936)

Intel Adapters

Symptom When multiple Intel network adapters are present and you enter the iSCSI configuration from one card, it allows you to change the configuration on all Intel cards. After the change, when one of the cards is removed, it appears that the option ROM of the remaining cards is overwritten by the card that was removed.

Workaround Enter the iSCSI configuration of the card that must be modified. Do not modify other cards when they are visible. This issue is only with iSCSI configuration and not with PXE configuration. (CSCuc52172)

LOM

Symptom C460 CIMC network mode shared_lom_10g with active-standby redundancy can stop working when host OS is also using 10GE LOM port and then is rebooted.

Workaround Do not use CIMC network mode shared_lom_10g, use one of the other modes instead. (CSCtj57061)

LSI

Symptom If the number of Virtual Drives created in the LSI MegaRAID controller is greater than or equal to 50, the system will not boot from any of these Virtual Drives.

Workaround None. The system boots from MegaRAID Virtual Drives only if the number of Virtual Drives are lesser than or equal to 49. (CSCtg25373)

Symptom RHEL 6.2 Install to iSCSI target hangs when 2008 MEZZ card Option ROM is disabled on C220/240 servers.

Workaround 2008 LSI OPROM must always be enabled in System BIOS when it is present in the server. If users want to disable it, then during OS Installs, depending on the OS, they would need to blacklist the LSI MegaRAID driver for the 2008 MEZZ card so that system will not hang during install. (CSCua03604)

Symptom The following error message is displayed in some LSI RAID controllers when you navigate to **CIMC > Inventory > Storage > Battery Backup Unit**.

```
Error: required HW is missing ( i.e Alarm or BBU )
The server did not have BBU installed on it and it should have confirmed the absence of
the unit.
```

Workaround None. This issue is currently under investigation. (CSCts37240)

WebUI

Symptom Printing from Web UI is not supported.

Workaround Print a screenshot of Web UI. (CSCtc22985)

Open Caveats

This section lists the open caveats for the following:

Release 1.5(3d)

The following defect is open in Release 1.5(3d):

XML API

Symptom The XMLAPI Query method **configResolveClass/configResolveDn/configResolveChildren/configResolveParent** query without inHierarchical in the xml request is failing.

Workaround Please include inHierarchical="false" in the xml request. (CSCuj74341)

```
<configResolveClass cookie="1381341517/a270ee78-e852-1852-8247-58782a114ca4"
inHierarchical="false"   classId="faultInst"/>
```

Release 1.5(3)

The following defects are open in Release 1.5(3):

BIOS

Symptom UEFI Native mode installation on SAN storage is not working.

Workaround Use the BIOS Setup Options or "Configure BIOS Option" in CIMC, to set the "PCI Slot x: Option ROM Control" to "UEFI Only" before starting the installation. (CSCui53461)

Symptom During BIOS post, the system hangs when Ctrl+M is pressed to launch the SW RAID configuration utility. This issue is observed when software RAID is enabled on a system which has multiple Emulex PCIE adapters.

Workaround Disable the Option ROMs of the Emulex adapters that are not used for booting using the BIOS setup interface or the BIOS configuration interface from CIMC. (CSCui70228)

Symptom In rare circumstances, the boot order is modified on upgrading from release version 1.5(2) to 1.5(3).

Workaround Set the boot order in the BIOS setup page under boot options. (CSCui64808)

Symptom Mixing of PTRR and non PTRR dimms in Lockstep mode results in CATERR.

Workaround Avoid mixing of PTRR and non PTRR dimms in Lockstep mode. (CSCuj02376)

Symptom Number of Enabled CPU core changes done in the Processor configuration under BIOS setup is not reflected in the OS.

Workaround No workaround. However, CPU core count is retained after an upgrade. (CSCuj03896)

Broadcom Controller

Symptom Hardware configuration settings of Broadcom 57810 adapters reset after firmware update. This issue happens on all 57810 adapters. The following settings are reset:

- DCB Protocol
- SRIOV
- number of VFs per PF

Workaround Reconfigure the settings. (CSCui64842)

CIMC

Symptom A Mac OS 10.8.4 user cannot map USB disk as a vMedia device.

Workaround Run **sudo chmod 666 /dev/rdiskX** to change permissions on the USB device before mapping it as a vMedia device. (CSCui80717)

Cisco Flexible Flash Controller

Symptom On C220 servers, with 1.5(1f) firmware, the following message is displayed when there is only one SD card:

```
FlexFlash Degraded RAID
```

Workaround Complete the following steps:

Step 1 Remove all the SD cards from the system and reboot CIMC. The error message is no longer displayed.

Step 2 If CIMC reboot is not possible, then insert 2 SD cards in the system (if it has only 1 card), launch Cisco UCS SCU and click Hypervisor SYNC. The error message will no longer be displayed.

OS

Symptom UEFI installation of RHEL6.3 and RHEL 6.4 fails under certain circumstances. OS install hangs at loading vmlinuz.

Workaround Use legacy mode of OS installation. (CSCui61571)

Release 1.5(2)

The following defects are open in Release 1.5(2):

CIMC

Symptom UCS C-Series server alarm during Vdisk rebuild cannot be silenced.

Workaround Some customers have had success clearing the event log. Depending upon software version:

```
MegaCli -AdpEventLog -Clear -a0  <--assuming controller 0.
MegaCli -AdpEventLogInfo -Clear -a0  <--assuming controller 0.
```

To check that all events are cleared:

```
MegaCli -AdpEventLog -GetEvents -a0
```

Other customers have had to disable the alarms until patch is available.

```
MegaCli -AdpSetProp AlarmSilence
MegaCli -AdpSetProp  AlarmDsbl -a0
```

Re-enable after patch is available.

```
MegaCli -AdpSetProp  AlarmEnbl -a0
```

(CSCty64353)

Symptom CIMC CLI and WebUI allow provisioning of usNIC and VMFEX at the same time, but both features are not supported simultaneously.

Workaround Avoid provisioning usNIC and VMFEX at the same time. Use each feature one at the time. (CSCug67576)

Symptom FlexFlash Degraded RAID message with only 1 SD card.

Workaround Follow these steps:

Step 1 Remove all the SD cards from the system and reboot CIMC once, this error will go.

Step 2 If CIMC reboot is not possible, then you need to put 2 SD cards in the system (if it had 1), launch SCU and do a Hypervisor SYNC, this error will go.(CSCuh20203)

Symptom LSI Nytro MegaRAID8110 controllers do not show up in CIMC storage display.

Workaround None. This is intentional behavior. Due to some differences in the display and management of Nytro controllers, their support will be added in a later CIMC release. (CSCuh52878)

Symptom Onboard network devices (LOM) does not get enabled on doing CMOS reset.

Workaround Rebooting the system again one more after CMOS clear will enable the onboard network devices. (CSCue52142)

BIOS

Symptom UEFI PXE boot is not working in C-series servers.

Workaround None. This feature is currently not supported. (CSCui32274)

Broadcom Controller

Symptom ESXi hosts may loose network connectivity intermittently when connected to bnx2 driver based NICs such as BCM 5709.

Workaround The issue occurs because the Broadcom chip resets but is unable to recover. Broadcom is investigating the issue. Currently there is no fix available. You must reboot the system to recover. (CSCug65301)

Cisco usNIC

Symptom Cisco usNIC is not supported when used together with VIC VNtag, iSCSI, or FCoE. This restriction will be lifted in a future release.

Workaround None. Keep in mind the following:

- Do not send usNIC traffic with iSCSI or FCoE traffic on the same server.
- Do not enable VNtag mode on VIC adapter with usNIC configured.
- Do not configure usNIC on a server which has a non usNIC-capable adapter installed. (CSCuh36170)

LSI

Symptom Creating VDs with Disk Cache set to "Unchanged," Seagate disks will have their Disk Cache enabled. This causes the Seagate-based VD to have faster performance but they are exposed to data loss in the event of a power loss.

Workaround To avoid the potential data loss in power failures, please set the Disk Cache to "Disabled" when creating VDs, especially when Seagate disks are present. (CSCug38260)

Symptom Sometimes in MSM, Logical View for a VD is not shown.

Workaround Use MegaCLI or StorCLI to get full VD properties (CSCuh07307)

Symptom Once a BBU learn cycle is done, MSM Event logs generate the learn cycle complete event as a Warning instead of Information.

Workaround Complete the following steps:

Step 1 Go to **Tool -> AlertSettings -> Change Individual Events**.

Step 2 Change the severity for event id 153 from Warning to Info. (CSCuh41966)

Symptom BBU Charging Status shows either Charging or Discharging all the time. This could lead to confusion to customers as Charging or Discharging indicate that battery is not in optimal state.

Workaround Customers should use the BBU Status field to determine if the battery is in optimal state. If the BBU status is optimal, it will indicate a good battery. If the BBU status indicates battery needs replacment, then the BBU is bad and needs to be replaced. Charging Status is working as designed and will always indicate Charging or Discharging because Firmware keeps checking the battery charge and ensures that the charge does not fall below the band gap. It charges the battery when it is in lower limits and once it reaches the upper limit of the band, it will stop charging. There can be leakage current which can discharge the battery and bring it back to lower threshold. When this happens, the firmware initiates charging.(CSCui29979)

Symptom Software RAID(SWRAID) setup option is visible in the BIOS setup menu for C24-M3 24 HDD Model Servers even though it is not supported feature in this model.

Workaround By default this option is set to disabled. Do not set this option to enable, as it would cause undefined behavior if set to enabled. (CSCug79131)

Symptom Locate function is available for the NytroCache SSD modules although it does not server the intended purpose.

Workaround Do not use the Locate function for NytroCache SSDs. (CSCuh74619)

Symptom Battery should be declared "bad" when Max error is over 10%.

Workaround If the Max error is over 10% then the BBU should be replaced. (CSCui30440)

Symptom When SuperCap is fully charged, its status should display "Charged" or "None." In its current state it constantly displays "Charging" even when capacitance is 100%. The getbbuproperties command for MegaCLI/StorCLI should yield BBU/SuperCap details. Currently, a message displays that hardware does is not supported.

Workaround SuperCap "Charging" when 100% is display issue only. No impact on performance or VDs. Will be updated in the next NMR release.The getbbuproperties command output issue will be addressed in production NMR release.(CSCui17382)

Symptom MegaCLi can report that a BBU is both Charging and Discharging at the same time.

Workaround None. (CSCui30414)

Release 1.5(1l)3

The following defects are open in Release 1.5(1l)3:

BIOS

Symptom When the number of boot enabled devices exceeds the maximum number of bootable devices supported by the server BIOS, the server does not boot.

Workaround Reduce the number of devices on which the boot option is enabled. (CSCuh98808)

Web Management

Symptom When firmware updates are tried with local files using IE 9 (Version: 9.0.8112.16421Ic), it fails and the following message is displayed:

```
Firmware Update is taking longer than expected. Please check the selected file is correct,
refresh your browser, try again.
```

Workaround Use some other browsers (like Fire Fox or Google Chrome) or old version of IE. (CSCud81488)

Release 1.5(1)

Following are the defects that are open in Release 1.5(1):

BIOS

Symptom UEFI OS install is not supported on Software RAID (Onboard SCU controller).

Workaround None. Please use legacy mode OS installs when using Software RAID (CSCub21433)

Symptom The boot device "Cisco Virtual CD/DVD 1.22" for the network mounted Virtual media device does not appear in the BIOS boot order.

Workaround The C260 BIOS supports only up to 8 USB mass storage devices during the BIOS POST. When more than 8 USB physical and/or virtual devices are present, the BIOS will omit some devices from the boot order list. As a workaround, to boot off the missing virtual media device in the boot order list, disable Virtual drives (HUU, SCU, Drivers, and HV) in the FlexFlash storage temporarily through CIMC WebUI before mounting virtual media device and enable it back after unmounting the virtual media device. The options to disable/enable FlexFlash virtual drives in the CIMC WebUI can be found in the **Storage->Cisco FlexFlash->Configure Operational Profile**. (CSCue82433)

CIMC

Symptom SEL has memory entries, but no entries are seen in the fault page. Cisco UCSM fault codes are unavailable for these SEL.

Workaround None. SEL has to be used to decode the memory related events. (CSCud84978)

Symptom When using the CLI with the create-virtual-drive command, entering incorrect parameters for Physical drive slot number, such as like, exit, quit, is not flagged as an error.

Workaround Enter the listed physical drive slot numbers for Virtual drive creation. (CSCuc72251)

Symptom In the CLI, the **create-virtual-drive** command in the virtual drive scope does not display the largest possible size of the virtual drive being created.

Workaround Use the WebUI to create virtual drives from unused physical drives if a maximum-size VD is desired. (CSCuc98444)

Symptom In the CLI, the **create-virtual-drive** command accepts non-existent Physical Drive numbers as well as invalid virtual drive size and creates a virtual drive. The **show-virtual-drive** command lists the virtual drive created with invalid parameters but marks the state of the virtual drive "Offline”.

Workaround Enter valid parameters for all fields like Physical Drive number, Virtual drive size, Cache policy to create a virtual drive with optimal state. The virtual drive created with invalid parameters can be deleted using the **delete-virtual-drive** command in the CLI. (CSCuc99149)

Symptom No physical drive specific faults are generated during virtual drive changes.

Workaround Monitor virtual drive faults instead of physical drive faults. Alternately, check the physical drive status through the CIMC web interface. (CSCud11929)

Symptom Occasionally after a CIMC upgrade, one may see an error dialog box "Error: Unexpected error" in Web UI on main page upon the very first login. The Storage data may also be blank or invalid.

Workaround Logging out and back in will fix it, but probably just because it takes time; therefore, just waiting a few minutes and refreshing the WebUI may fix the problem, also. (CSCud17092)

Symptom No fault and no SNMP trap are reported when a virtual drive rebuild fails.

Workaround Check the rebuild status using the CIMC's web interface or host-based MSM or MegaCLI interface. (CSCud36158)

Symptom Certain character combinations in passwords are rejected by CIFS and HTTP(S) protocols.

Workaround '$' and '@' characters are not advised in passwords. (CSCud36375)

Symptom Faults to signify physical drive rebuild status are not reported.

Workaround Check the rebuild status using the CIMC's web interface or host-based MSM or MegaCLI interface. (CSCud42692)

Symptom When creating Virtual drive from WebUI, sometimes the Virtual drive creation update in WebUI takes a long time and an error message stating Error Timed Out appears.

Workaround Ignore the Error Timed out Pop up window and click **OK** to cancel it. The Virtual drive is actually created and can be viewed in the **Virtual Drive** tab. (CSCud73130)

Symptom Unplugging and plugging the MegaRAID controller's BBU is not detected by WebUI or pmcli without rebooting the CIMC.

Workaround Rebooting the CIMC updates its knowledge of BBU presence or absence. (CSCud88548)

Symptom When a RAID controller cannot load its drive configuration, no fault is generated.

Workaround Check manually whether drive configuration has been lost. (CSCue00749)

Symptom Sometimes after carving a new virtual drive out of an existing drive group, the new virtual drive does not show in the list of available virtual drives during a subsequent **carve-virtual-drive** command. The drive is created.

Workaround Since the new virtual drive is sharing a drive group that already existed, select a previously-created virtual drive to specify that drive group. (CSCue04743)

Symptom On some MegaRAID controllers, a maximum of 16 virtual drives can be created. If the maximum number of virtual drives is created, then one is deleted, neither the WebUI nor pmcli will allow another virtual drive to be created, even though MSM and MegaRAID allow the last drive to again be created.

Workaround Use MSM or MegaCLI to re-create the last virtual drive. (CSCue04815)

Symptom When a physical drive is set as the boot drive via MegaCLI, this change is not picked up by the pmcli or WebUI display of virtual drives: The previously-set boot virtual drive is displayed as the current boot drive. The **show detail** command in the controller scope does show the correct information, both the PD's deviceID and the fact that the boot drive is now a PD.

Workaround Disregard the "Boot Drive" column in WebUI and pmcli. Refer to the pmcli output of the **show detail** command in the controller scope. (CSCue49438)

Symptom The bootable virtual drive is displayed in a column in the WebUI virtual drive tab, and in the **show virtual-drive** output in the controller scope, and **show** output in the virtual drive scope. Also, in release 1.5(1), the boot drive can be set via both the WebUI and pmcli. But if the boot drive value is changed via MegaCLI, that change is not picked up by the WebUI or pmcli. Note that the MegaCLI's command does succeed and the boot drive is changed, but the WebUI and pmcli do not display the correct value.

Workaround Set the boot drive using the WebUI or pmcli to the value set via MegaCLI. This will synchronize the CIMC with MegaCLI's value. (CSCue58217)

Symptom Sometimes a physical drive holding a foreign configuration may generate a fault, even though it is a good disk.

Workaround Verify that the physical drive is indeed a foreign configuration as shown by "Status" value on the Physical Drive Info page, and then ignore the fault. (CSCue79793)

Symptom Occasionally, spurious faults are generated when a physical drive is removed.

Workaround Ignore the spurious faults. (CSCue82218)

Symptom Sometimes, the Storage Log in the CIMC WebUI and CLI does not show the latest events generated. This usually occurs after CIMC is upgraded to the new version.

Workaround Reboot CIMC only once and this will fix this issue and Storage log will show the latest events generated. (CSCuc94314)

LSI

Symptom RAID CD-ROM Drive appears in the Boot Options. Booting to this option will give blank screen.

Workaround This is an invalid option and is not usable and should be ignored. (CSCud27042)

Web Management

Symptom Occasionally WEB UI shows Reset link for UCS VIC P81E card.

Workaround None. Refresh the WebUI. (CSCue76985)

VIC

Symptom In VIC 1225T, when the system is booted in the 1Gbps mode, the MAC sometimes does not detect the link. PHY seems to detect the link. But the MAC shows a link down error.

Workaround Reset the switch port. Both Phy and Mac will show the link as up after a switch port reset. (CSCue56950)

SNMP

Symptom Duplicate SNMP traps are obtained for sensors.

Workaround None. Please ignore the traps. (CSCud83006)

Symptom Sometimes, after CIMC reboot, CucsEquipmentPsuPre shows both PSUs are missing, offline and inoperable.

Workaround Disable and then enable SNMP, or generate any event or trap for PSU. (CSCuh35858)

XML API

Symptom XML API does not support configuring of LSI RAID storage controller.

Workaround Use CIMC CLI. (CSCue88298)

Release 1.4(8)

This section lists the open caveats for release 1.4(8):

CIMC

Symptom There is no CIMC notification of Closed Loop Thermal Throttling (CLTT) when it occurs. CLTT happens automatically when the DIMM temperature crosses the UC (upper critical) temperature.

Workaround There is no workaround. (CSCua94308).

Release 1.4(7f1)

This section lists the open caveats for release 1.4(7f1):

CIMC

Symptom The PWRGD Sensor's Normal events are logged in the SEL during the CIMC boot and Host boot.

Workaround These are expected events and can be ignored. (CSCue10121)

Release 1.4(7)

This section lists the open caveats for release 1.4(7):

CIMC

Symptom LSI storage controllers with external ports (-8e cards) do not show up in CIMC local storage management.

Workaround There is no workaround. (CSCud18756)

Symptom Repeated VIC adapter resets using CIMC Web UI or CLI adapter-reset can cause VIC card to hang.

Workaround Do not reset the VIC adapter unless necessary. It should normally never be necessary to reset the VIC adapter manually. (CSCuc83809)

LSI

Symptom The LSI controller CLI Application MegaCli does not properly work under Windows Power Shell. A failure message is displayed when creating virtual drives for RAID levels 1,5,10,50 and 60.

Workaround MegaCli is not supported in Power Shell. Use the command prompt on Windows for running all MegaCli commands and options. (CSCub49559)

Release 1.4(6)

This section lists the open caveats for Release 1.4(6):

CIMC

Symptom The SEL event is not logged in the OS Watchdog timer expiration.

Workaround None. (CSCtz77929)

Symptom CIMC power capping is not supported on VMware ESXi 5.0.

Workaround When CIMC is upgraded to 1.4(2), the CIMC will automatically disable power capping. Power capping must manually be re-enabled to use it. (CSCtt08424)

Symptom CIMC storage view of LSI 9260 card occasionally reports 0 Cache Memory size.

Workaround None. You can use host-based MSM tools to corroborate data. (CSCtn08982)

Symptom When updating CIMC firmware through TFTP, if the image file is corrupted, the update status indicator is the same as if the file does not exist.

Workaround Be aware that this error message can actually indicate either of the above conditions and should make sure that the file both the exists, and is a valid firmware image for the CIMC being upgraded. (CSCti17492)

Symptom The following symptoms are observed in RHEL 6.3

- OS Kernel Panic.
- FC Target not visible to the OS.
- SAN OS installation fails to recognize the FC Target.

Workaround Follow these steps:

Check and verify the switch configuration to ensure that only 1 VSAN and VLAN is configured on the FCOE interface. Verify Virtual Interface Information (FCOE interface) to check that only 1 VSAN is allowed.

Run the following command to check if multiple VSAN is configured:

```
switch> show interface vfc <vfc_num>
```

Trunk vsans (admin allowed and active) (n-m)

Run the following commands to change the Virtual Interface Configuration to allow only 1 Vsan.

```
switch> config terminal
switch> interface vfc <vfc_num>
switch> switchport trunk allowed vsan <n>
```

Verify the bound interface configuration.

```
switch> show interface vfc <vfc_num>
```

Bound interface is <*bound_interface_name*>

Run the following commands to change the Bound Interface Configuration to allow only 1 VLAN.

```
switch> config t
switch> interface <bound_interface_name>
switch > switchport trunk allowed vlan <vlan>
```

LSI

Symptom The system hangs when you type Exit in the EFI shell.

Workaround Hard reset the server to recover from system hang. (CSCtx64756)

BIOS

Symptom Continuous beep sound is heard when the system is switched on.

Workaround Do not switch on the CIMC and the host simultaneously. Switch on the host 3 minutes after switching on the power supply.(CSCtz11862)

Release 1.4(4a)

This section lists the open caveats for Release 1.4(4a):

CIMC

Symptom The LED sensor color is red or amber or blue (or any supported color) even though the LED state is set to OFF.

Workaround Ignore the LED color when the LED state is set to OFF.(CSCth84883)

Symptom The AES encryption field does not show the encryption level (128, 256, and so on) on the Web GUI and CLI.

Workaround The SNMP V3 encryption key length must be clearly indicated. The SNMP agent supports AES - 128 bit encryption by default. (CSCtr31577)

Symptom The SNMPv3 walk, with AES encryption enabled, produces a “Decryption Error” when an SNMPv3 trap is triggered by an event. An “authentication failure” error is also encountered on triggering an event with the secure hash algorithm (SHA) authentication. The SHA trap error is encountered with both “authpriv” and “authnopriv” settings. The issue is observed till the master agent is restarted by clicking Save All in the CIMC Web UI SNMP configuration page.

Workaround Use the Message-Digest algorithm 5 (MD5) authentication and DES encryption for v3 user configuration. (CSCtx11173)

Symptom The KVM viewer version does not display the FCS version, that is, 2.0.0.27. This means the client machine has not downloaded the new .jar file for the KVM/vMedia client and the old client is getting executed. This issue is seen when you use KVM with the old CIMC firmware and then upgraded the CIMC. To check the KVM viewer version, invoke KVM and go to **Help >About KVM Viewer**. The KVM Viewer version should be 2.0.0.27 for Release 1.4(4a).

Workaround To resolve this issue delete the Java temporary cached files and invoke KVM from CIMC GUI. The Java Control Panel app (javacpl.exe) is in the bin directory of the Java JRE installation.

For Windows, go to in c:\Program Files\Java\<JRE VERSION>\bin and delete the cached Cisco Virtual KVM Console application and re-launch remote presence.

Release 1.4(3)

This section lists the open caveats for the 1.4(3) release:

LSI

Symptom The C460 server with 9240-8i card hangs and results in system panic or BSOD when a virtual drive is being deleted from Linux or Windows using the LSI host applications such as MegaRAID Storage Manager (MSM) or MegaCli.

Workaround Limit to one stripe size for all Virtual Drives on a controller. If you require multiple stripe sizes and encounter the VD deletion issue, restart the system and delete the VD using the Web BIOS.(CSCtx41090)

Release 1.4(2)

This section lists the open caveats for release 1.4(2):

Web Management

Symptom The WebUI DIMM "Operability" field in the memory inventory does not indicate failed DIMMs correctly.

Workaround The issue is observed only in the memory inventory reported by the WebUI. The BIOS reports the DIMM status properly in the BIOS Setup. So, if WebUI shows any DIMM as **Inoperable**, please check the status of all DIMMs on all the memory risers at **Advanced -> Memory Configuration** page of the BIOS Setup to get the correct status on the DIMMs. (CSCtx16030)

Related Documentation

For configuration information for this release, please refer to the following:

- *Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide*
- *Cisco UCS C-Series Servers Integrated Management Controller Configuration Guide*
- *Cisco UCS C-Series Servers Integrated Management Controller CLI Command Reference*

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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Release Notes for Cisco UCS C-Series Software
