Release Notes for Cisco UCS Rack Server Software, Release 4.3(1)

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Cisco UCS C-Series Servers

Cisco UCS C-Series Servers deliver unified computing in an industry-standard form factor to reduce total cost of ownership and increase agility. Each product addresses varying workload challenges through a balance of processing, memory, I/O, and internal storage resources.

About the Release Notes

This document describes the new features, system requirements, open caveats and known behaviors for C-Series software release 4.3(1) including Cisco Integrated Management Controller (Cisco IMC) software and any related BIOS, firmware, or drivers. Use this document in conjunction with the documents listed in the Related Documentation, on page 19 section.

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

Revision History

Revision	Date	Description
C1	December 13, 2023	Updated the section - **Security Fixes** for the release 4.3.1.230138.
A1	October 20, 2023	Updated the section - **Open Caveats** for the release 4.3.1.230097.

Revision	Date	Description
C0	June 5, 2023	Created release notes for 4.3.1.230138 for the following servers: Cisco UCS C220 M7 and C240 M7 servers The firmware files in Cisco Host Upgrade Utility for individual releases are available at: Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3
B1	April 12, 2023	Updated the section - **New Hardware in Release 4.3.1.230124**
B0	April 04, 2023	Created release notes for 4.3.1.230124 for the following servers: Cisco UCS C220 M7 and C240 M7 servers The firmware files in Cisco Host Upgrade Utility for individual releases are available at: Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3
A0	March 03, 2023	Created release notes for 4.3.1.230097 for the following servers: Cisco UCS C220 M7 and C240 M7 servers The firmware files in Cisco Host Upgrade Utility for individual releases are available at: Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3

Cisco IMC Release Number and .ISO Image Names

Beginning with the release 4.3, Cisco is updating the release number naming convention to align with the .ISO images.

Example: **4.3.1.YYXXXX**

- **4.3**—Represents the main release.

- **.1**—Represents the first release.

  For the current 4.3 main release, **.1** represents the first release number.

  For subsequent maintenance releases, this number will represent the related maintenance release number.

- **YY**—Represents the year of release.

  For the current 4.3 main release, **23** is derived from the year 2023.

- **XXXX**—The final 4 digits represent the increasing sequence of build numbers every year.

  For the first 4.3 main release, the number is **0097**.

Supported Platforms and Release Compatibility Matrix

Supported Platforms in this Release

The following servers are supported in this release:

- Cisco UCS C220 M7

- Cisco UCS C240 M7

Cisco IMC and Cisco UCS Manager Release Compatibility Matrix

Cisco UCS C-Series Rack-Mount Servers are managed by built-in standalone software —Cisco IMC. However, when a Rack-Mount Server is integrated with Cisco UCS Manager, UCSM end-user interface is used to manage the server.

The following table lists the supported platforms, Cisco IMC releases, and Cisco UCS Manager releases for Rack-Mount Servers:

Table 1: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.3(1) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.3.1.230138	No Support	Cisco UCS C220 M7 and C240 M7 servers
4.3.1.230124	No Support	Cisco UCS C220 M7 and C240 M7 servers
4.3.1.230097	No Support	Cisco UCS C220 M7 and C240 M7 servers

Table 2: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.2(3) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.2(3i)	4.2(3i)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.2(3g)	4.2(3g)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.2(3e)	4.2(3e)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.2(3d)	4.2(3d)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.2(3b)	4.2(3b)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers

Table 3: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.2(2) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.2(2g)	4.2(2d)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.2(2f)	4.2(2c)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
		Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.2(2a)	4.2(2a)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
		Cisco UCS C220 M5, C240 M5, C240 SD M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers

Table 4: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.2(1) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.2(1j)	4.2(1n)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
4.2(1i)	4.2(1m)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
4.2(1g)	No Support	Cisco UCS C225 M6 and C245 M6 servers
4.2(1f)	4.2(1k)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
4.2(1e)	4.2(1i)	Cisco UCS C220 M6, C225 M6, C240 M6, and C245 M6 servers
4.2(1c)	No Support	Cisco UCS C225 M6 and C245 M6 servers
4.2(1b)	4.2(1f)	Cisco UCS C220 M6 and C240 M6 servers
4.2(1a)	4.2(1d)	Cisco UCS C220 M6, C240 M6, and C245 M6 servers

Table 5: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.1(3) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.1(3m)	4.1(3m)	Cisco UCS C220 M5, C240 M5, C480 M5, S3260 M5 and S3260 M4 servers

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.1(3l)	4.1(3k)	Cisco UCS C480 M5, C220 M5, C240 M5 servers
4.1(3i)	4.1(3j)	Cisco UCS C220 M5, C240 M5, C480 M5, S3260 M4, S3260 M5, C125 M5 servers
4.1(3h)	4.1(3i)	Cisco UCS C220 M5, C240 M5, C480 M5, S3260 M4, S3260 M5, C125 M5 servers
4.1(3g)	No Support	Cisco UCS S3260 M4 and S3260 M5 servers
4.1(3f)	4.1(3h)	Cisco UCS C220 M5, C240 M5, C480 M5, S3260 M4, S3260 M4, S3260 M5, and C125 M5 servers
4.1(3d)	4.1(3e)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5, and C125 M5 servers
4.1(3c)	4.1(3d)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5 and C125 M5 servers
4.1(3b)	4.1(3a)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M4, S3260 M5 and C125 M5 servers

Table 6: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.1(2) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.1(2m)	No Support	Cisco UCS C220 M4, C240 M4 and C460 M4 servers.
4.1(2l)	No Support	Cisco UCS C220 M4 and C240 M4 servers.
4.1(2k)	No Support	Cisco UCS C220 M4, C240 M4, and C460 M4 servers
4.1(2j)	No Support	Cisco UCS C220 M4, C240 M4, and C460 M4 servers
4.1(2h)	No Support	Cisco UCS C220 M4, C240 M4, and C460 M4 servers

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.1(2g)	No Support	Cisco UCS C220 M4, C240 M4, and C460 M4 servers
4.1(2f)	4.1(2c)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers
4.1(2e)	No Support	Cisco UCS C125 M5 servers
4.1(2d)	No Support	Cisco UCS C240 M5 and C240 SD M5 servers
4.1(2b)	4.1(2b)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers
4.1(2a)	4.1(2a)	Cisco UCS C220 M5, C240 SD M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers

Table 7: Cisco IMC and UCS Manager Software Releases for Rack Mount Servers for Cisco IMC 4.1(1) Release

Cisco IMC Release	Cisco UCS Manager Release	Rack Mount Servers
4.1(1h)	4.1(1e)	Cisco UCS C220 M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers
4.1(1g)	4.1(1d)	Cisco UCS C220 M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers
4.1(1f)	4.1(1c)	Cisco UCS C220 M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers
4.1(1d)	4.1(1b)	Cisco UCS C220 M5, C240 M5, C480 M5, and C480 ML M5 servers
4.1(1c)	4.1(1a)	Cisco UCS C220 M5, C240 M5, C480 M5, C480 ML M5, S3260 M5, C125 M5, C220 M4, C240 M4, C460 M4, and S3260 M4 servers

Operating System and Browser Requirements

For detailed information about supported Operating System, see the interactive UCS Hardware and Software Compatibility matrix.

Cisco recommends the following browsers for Cisco UCS Rack Server Software, Release 4.3(1):

Recommended Browser	Minimum Recommended Browser Version	Minimum Recommended Operating System
Google Chrome	108.0.5359.125 (Official Build) (64-bit)	Microsoft Windows 10 x64
	108.0.5359.124 (Official Build) (64-bit)	Mac OS Montery- Version 12.5.1(21G83)
Mozilla Firefox	108.0.1 (64-bit)	Microsoft Windows 10 x64
	108.0.2 (64-bit)	Mac OS Montery- Version 12.5.1(21G83)
	108.0.2 Build ID: 20230104165113	Mac OS Ventura - Version 13.1 (22C65)
Safari	16.2 (18614.3.7.1.5)	
	15.6.1 (17613.3.9.1.16)	Mac OS Montery- Version 12.5.1(21G83)

Note If the management client is launched using an unsupported browser, check the help information from the `For best results use supported browsers` option available in the login window for the supported browser versions.

Transport Layer Security (TLS) version 1.2.

Hardware and Software Interoperability

For detailed information about storage switch, operating system and adapter, 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

Note Connectivity is tested between the server and the first connected device. Further connections, such as to storage arrays after a switch are not listed in the Cisco UCS Hardware Compatibility List though they may be highlighted in the vendor support matrix for those devices.

For details about transceivers and cables that are supported on VIC cards, see the Cisco Optics-to-Device Compatibility Matrix

You can also see the VIC data sheets for more compatibility information: Cisco UCS Virtual Interface Card Data Sheets

Default Ports

Following is a list of server ports and their default port numbers:

Table 8: Server Ports

Port Name	Port Number
LDAP Port 1	389
LDAP Port 2	389
LDAP Port 3	389
LDAP Port 4	3268
LDAP Port 5	3268
LDAP Port 6	3268
SSH Port	22
HTTP Port	80
HTTPS Port	443
SMTP Port	25
KVM Port	2068
Intersight Management Port	8889
Intersight Cloud Port	8888
SOL SSH Port	2400
SNMP Port	161
SNMP Traps	162
External Syslog	514

Upgrade and Downgrade Guidelines

The following releases are for Cisco UCS M7 servers only:

- 4.3.1.230138
- 4.3.1.230124
- 4.3.1.230097

Cisco UCS M7 servers are supported from the release 4.3.1.230097 onwards.

To get a complete overview of all the possible upgrade paths in Cisco IMC, see Cisco UCS Rack Server Upgrade Support Matrix.

Firmware Files

Firmware Files

The C-Series software release 4.3.1.230124 includes the following software files:

CCO Software Type	File name(s)	Comment
Unified Computing System (UCS) Server Firmware	ucs-c220m7-huu-4.3.1.230124.iso ucs-c240m7-huu-4.3.1.230124.iso For release specific ISO versions, see Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3	Host Upgrade Utility
Unified Computing System (UCS) Drivers	ucs-cxxx-drivers.4.3.1.230124.iso	Drivers
Unified Computing System (UCS) Utilities	ucs-cxxx-utils-efi.4.3.1.230124.iso ucs-cxxx-utils-linux.4.3.1.230124.iso ucs-cxxx-utils-vmware.4.3.1.230124.iso ucs-cxxx-utils-windows.4.3.1.230124.iso	Utilities

The C-Series software release 4.3.1.230097 includes the following software files:

CCO Software Type	File name(s)	Comment
Unified Computing System (UCS) Server Firmware	ucs-c220m7-huu-4.3.1.230097.iso ucs-c240m7-huu-4.3.1.230097.iso For release specific ISO versions, see Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3	Host Upgrade Utility
Unified Computing System (UCS) Drivers	ucs-cxxx-drivers.4.3.1.230097.iso	Drivers
Unified Computing System (UCS) Utilities	ucs-cxxx-utils-efi.4.3.1.230097.iso ucs-cxxx-utils-linux.4.3.1.230097.iso ucs-cxxx-utils-vmware.4.3.1.230097.iso ucs-cxxx-utils-windows.4.3.1.230097.iso	Utilities

Note Always upgrade the BIOS, the Cisco IMC and CMC from the HUU ISO. Do not upgrade individual components (only BIOS or only Cisco IMC), since this could lead to unexpected behavior. If you choose to upgrade BIOS, and the Cisco IMC individually and not from the HUU ISO, make sure to upgrade both Cisco IMC, and BIOS to the same container release. If the BIOS and the Cisco IMC versions are from different container releases, it could result in unexpected behavior. Cisco recommends that you use the Update All option from the Host Upgrade Utility to update the firmware versions of Cisco IMC, BIOS, and all other server components (VIC, RAID Controllers, PCI devices, and LOM) together.

Host Upgrade Utility

The Cisco Host Upgrade Utility (HUU) is a tool that upgrades the Cisco UCS C-Series firmware.

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.

For details of firmware files in Cisco Host Upgrade Utility for individual releases, see Cisco UCS C-Series Integrated Management Controller Firmware Files, Release 4.3.

Updating the Firmware

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

- BIOS
- Cisco IMC
- CMC
- Cisco VIC Adapters
- LSI Adapters
- LAN on Motherboard
- PCIe adapter firmware
- HDD firmware
- SAS Expander firmware
- DCPMM Memory
- PCI Gen5 retimer

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

Note We recommend that you use the select all and **Update** or **Update & Activate All** option from the Host Upgrade Utility to update the firmware versions of Cisco IMC, BIOS and all other server components (VIC, RAID Controllers, PCI devices, and LOM) together. Click **Exit** once you deploy the firmware.

For more information on how to upgrade the firmware using the utility, see:

http://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-c-series-rack-servers/products-user-guide-list.html

SNMP

The supported MIB definition for this release and later releases can be found at the following link:

https://cisco.github.io/cisco-mibs/

Software Utilities

The following standard utilities are available:

- Host Update Utility (HUU)

- BIOS and Cisco IMC Firmware Update utilities

- Server Configuration Utility (SCU)

- Server Diagnostic Utility (SDU)

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.

New Hardware Features in Release 4.3.1

New Hardware in Release 4.3.1.230138

There are no new hardware features introduced for this release.

New Hardware in Release 4.3.1.230124

- The following CPU versions are suppported in the Cisco UCS M7 servers from the release 4.3.1.230124 onwards.

MCC CPU PID
UCS-CPU-I6438Y+
UCS-CPU-I6442Y
UCS-CPU-I6444Y
UCS-CPU-I6448H
UCS-CPU-I6448Y
UCS-CPU-I6426Y
UCS-CPU-I8462Y+
UCS-CPU-I6434
UCS-CPU-I6438N
UCS-CPU-I4410Y

MCC CPU PID
UCS-CPU-I5416S
UCS-CPU-I5420+

New Hardware in Release 4.3.1.230097

The following new hardware are supported in Release 4.3.1.230097:

- Cisco UCS C220 M7 Server - Cisco UCS C220 M7 Rack Server is a versatile general-purpose infrastructure and application server. This high-density, 1RU, 2-socket rack server delivers industry-leading performance and efficiency for a wide range of workloads, including virtualization, collaboration, and bare-metal applications. It incorporates the 4th Gen Intel® Xeon® Scalable Processors, with up to 52 cores per socket. With advanced features such as Intel Advanced Matrix Extensions (AMX), Data Streaming Accelerator (DSA), In-Memory Analytics Accelerator (IAA), and QuickAssist Technology (QAT), the server offers significant performance improvements. In addition to the advanced features, the server is also equipped with the PCIe Gen 5.0 for high-speed I/O, a DDR5 memory bus, and expanded storage capabilities (up to 32 DDR5 DIMMs for up to 4 TB of capacity using 128 GB DIMMs (16 DIMMs per socket)). You can deploy the Cisco UCS C-Series rack servers as standalone servers or as part of the Cisco Unified Computing System™ with the Cisco Intersight Infrastructure Service cloud-based management platform. These computing innovations help reduce Total Cost of Ownership (TCO) and increase their business agility. These improvements deliver significant performance and efficiency gains that improve your application performance.

- Cisco UCS C240 M7 Server - Cisco UCS C240 M7 Rack Server is well-suited for a wide range of storage and I/O-intensive applications such as big data analytics, databases, collaboration, virtualization, consolidation, and high-performance computing in its two-socket, 2RU form factor. It incorporates the 4th Gen Intel® Xeon® Scalable Processors with up to 60 cores per socket. In addition to the advanced features, the server is also equipped with the PCIe Gen 5.0 for high-speed I/O, a DDR5 memory bus, and expanded storage capabilities (up to 32 DDR5 DIMMs for up to 8 TB of capacity using 128 GB DIMMs (16 DIMMs per socket)) and delivers sigficant performance and efficiency gains that will improve your application performance. You can deploy the Cisco UCS C-Series Rack Servers as standalone servers or as part of the Cisco Unified Computing System managed by Cisco Intersight or Intersight Managed Mode.

Note Cisco UCS M7 servers support only 15000 series VIC adapters.

New Software Features in Release 4.3.1

New Software Features in Release 4.3.1.230138

There are no new software features introduced for this release.

New Software Features in Release 4.3.1.230124

There are no new software features introduced for this release.

New Software Features in Release 4.3.1.230097

Cisco IMC extends its current functionalities and features to Cisco UCS C-series M7 servers. The following new software features are supported in Release 4.3.1.230097.

- Single Root I/O Virtualization support on Cisco UCS C-series M7 servers with UCS VIC 15xxx series adapters for ESXi 7.0 U3 and 8.0 - Single Root I/O Virtualization (SR-IOV) allows multiple VMs running a variety of guest operating systems to share a single PCIe network adapter within a host server. SR-IOV allows a VM to move data directly to and from the network adapter, bypassing the hypervisor for increased network throughput and lower server CPU burden.

  Beginning with release 4.3.1.230097, this feature allows a PCI Express (PCIe) resource to appear to be multiple separate physical PCIe devices in Cisco IMC.

  For more details, see Cisco UCS C-Series Integrated Management Controller GUI Configuration Guide, Release 4.3 or Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide, Release 4.3

- Soft check for Cisco Intersight Service license in Cisco UCS C-series M7 servers - Beginning with release 4.3.1.230097, Intersight Infrastructure Services (IIS) licenses is a pre-requisite for using Cisco IMC 4.3.1.230097 to manage Cisco UCS M7 servers. Cisco IMC checks for the Cisco Intersight Service license in Cisco UCS C-Series M7 servers and displays a warning message if the Device Connector does not detect a connection to Cisco Intersight Service.

  For more details, see Cisco UCS C-Series Integrated Management Controller GUI Configuration Guide, Release 4.3 or Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide, Release 4.3

- Maximum data LUNs per target has increased from [1-1024] to [1-4096] for Linux and ESX OS for 15xxx adapters.

  This change is applicable to vHBA type FC Initiator only. ESX 7.x and ESX 8.0 supports a total of 1024 LUNs per host.

  Note Before downgrading from release 4.3.1.230097, ensure to change the LUNs per target configuration to [1-1024].

- Data Sanitization - Beginning with release 4.3.1.230097, Cisco IMC supports data sanitization feature. Using the data sanitization process, Cisco IMC erases all sensitive data, thus making extraction or recovery of customer data impossible. As Cisco IMC progresses through the erase process, the status report is updated. You can check the status and progress of the data sanitization process for each individual device erase from the report, identify and rectify any issues, if required.

  Erase process for data sanitization is performed in the following order on the server components:

  - Storage
  - VIC
  - BIOS
  - Cisco IMC

  You can choose to either perform data sanitization on all the server components or select only VIC and Storage components for data sanitization.

Cisco IMC reboots when the data sanitization process is completed and generates a report.

For more details, see Cisco UCS C-Series Servers REST API Programmer's Guide, Release 4.3.

> ✎
>
> **Note**
>
> • This feature is supported only on Redfish API interface.

• User Management changes in Cisco IMC user interfaces - Beginning with release 4.3.1.230097, Cisco IMC supports updated user management and session management options in Cisco IMC interfaces for Cisco UCS C-series M7 servers. The users can access these options in Cisco IMC through the GUI, CLI and other user interfaces.

For more details, see Cisco UCS C-Series Integrated Management Controller GUI Configuration Guide, Release 4.3 or Cisco UCS C-Series Servers Integrated Management Controller CLI Configuration Guide, Release 4.3.

Resolved Caveats

Resolved Caveats in Release 4.3.1.230138

The following defect was resolved in Release 4.3.1.230138:

Table 9: BMC

Defect ID	Symptom	First Release Affected	Resolved in Release
CSCwe87764	In Cisco UCS M7 servers equipped with 128GB DIMMs, there might be a decrease in the performance of the CPU when the values of the voltage regulator is modified to enhance the system performance. This issue is now resolved.	4.3.1.230138	4.3.1.230138

Resolved Caveats in Release 4.3.1.230124

The following defects were resolved in Release 4.3.1.230124:

Table 10: Web Management

Defect ID	Symptom	First Release Affected	Resolved in Release
CSCwe44891	The **Delete all vNICs** option in the Web UI deletes 6 vNICs only. This issue is now resolved.	4.3.1.230097	4.3.1.230124

Table 11: BIOS

Defect ID	Symptom	First Release Affected	Resolved in Release
CSCwe48853	After performing data sanitization, the USB devices connected to the rear USB ports do not work. This issue is now resolved.	4.3.1.230097	4.3.1.230124

Open Caveats

Open Caveats in Release 4.3.1.230138

The following defects are open in Release 4.3.1.230138:

Table 12: BMC

Defect ID	Symptom	Workaround	First Affected Release
CSCwf52657	In Cisco UCS C240 M7 servers equipped with GPU and the BIOS parameter **Enhanced CPU performance** set to **auto**, the voltage regulator settings are retained.	Disable the BIOS parameter **Enhanced CPU Performance**.	4.3.1.230138

Open Caveats in Release 4.3.1.230097

The following defects are open in Release 4.3.1.230097:

Table 13: VIC-Firmware

Defect ID	Symptom	Workaround	First Affected Release
CSCwh06536	The links with SFP-10G-T-X are up on VIC 14xx series adapters from the VIC firmware version 5.2(2b). However, the links with SFP-10G-T-X on VIC 14xx series adapters are down after upgrading the VIC firmware version to 5.2(3b) or later from the version 5.2(2b).	Use the firmware version 5.2(2b).	4.2(3b)

Table 14: ext-intel-cntrlr

Defect ID	Symptom	Workaround	First Affected Release
CSCwe28875	When an Intel$^{®}$ E810 card is installed on the Cisco UCS C-series M7 server, Intel NIC firmware update fails through HUU/HSU/NIHUU. This is an intermittent issue.	Reboot the server and retry the HUU/HSU/NI-HUU update.	4.3.1.230097
CSCwc27609	When the server is equipped with one or more Intel$^{®}$ E810 25G/100G Ethernet adapters attached to PCIe Gen5 riser, and the server is under continuous reboot, the Intel E810 25G or 100G adapter might not initialize on the PCIe bus.	Perform a DC power cycle to the servers. This re-initializes the adapter's PCIe interface.	4.3.1.230097

Table 15: ext-nvme-cntrlr

Defect ID	Symptom	Workaround	First Affected Release
CSCwb55301	When VMD is enabled on Cisco UCS C240 M7 server equipped with 20 or more NVMe drives, the server might exhibit longer boot time (POST). This could be 1-2 minutes longer than in a server when VMD is disabled.	There are no known workarounds.	4.3.1.230097

Table 16: Web Management

Defect ID	Symptom	Workaround	First Affected Release
CSCwe44891	The **Delete all vNICs** option in the Web UI deletes 6 vNICs only.	If there are more than 6 vNICs, then delete the remaining vNICs individually.	4.3.1.230097

Security Fixes in Release 4.3.1

Security Fixes in Release 4.3.1.230138

Defect ID - CSCwe33540

Cisco UCS M7 servers are affected by vulnerabilities identified by the following Common Vulnerability and Exposures (CVE) IDs:

- **CVE-2023-23583**—Sequence of processor instructions leads to unexpected behavior for some Intel(R) Processors, which may allow an authenticated user to potentially enable escalation of privilege or information disclosure or denial of service through local access.

Known Behaviors and Limitations in Release 4.3

Known Behaviors and Limitations in Release 4.3.1.230097

The following caveats are known limitations in release 4.3.1.230097:

Table 17: BMC

Defect ID	Symptom	Workaround	First Affected Release
CSCwc20495	Within 3-4 minutes of CIMC reboot, few configuration set or get requests might fail.	When Cisco IMC restarts and the Cisco IMC IP address starts to ping, wait for 5 minutes and access Cisco IMC.	4.3.1.230097
CSCwc59562	In Cisco IMC Web UI, CPU and Memory utilization percentage numbers might not match with the Operating System Utilization numbers.	There are no known workarounds.	4.3.1.230097

Related Documentation

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

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

- Cisco UCS C-Series Servers Integrated Management Controller GUI Configuration Guide

- Cisco UCS Rack-Mount Servers Cisco IMC API Programmer's Guide

For information about installation of the C-Series servers, refer to the following:

- Cisco UCS C-Series Rack Servers Install and Upgrade Guides

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

- Regulatory Compliance and Safety Information for Cisco UCS

- For information about supported firmware versions and supported UCS Manager versions for the rack servers that are integrated with the UCS Manager for management, refer to Release Bundle Contents for Cisco UCS Software.

Refer to the release notes for Cisco UCS Manager software and the *Cisco UCS C Series Server Integration with Cisco UCS Manager Guide* at the following locations:

- Cisco UCS Manager Release Notes

- Cisco UCS C Series Server Integration with Cisco UCS Manager Guides