Cisco Baseboard Management Controller 4.0 Release Notes, Release 4.0

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Revision History

Revision	Date	Description
D0	August 07, 2026	Created release notes for 4.0.2.260009 for the following server: • Cisco UCS C880A M8 Rack Server
C0	May 14, 2026	Created release notes for 4.0.2.260004 for the following server: • Cisco UCS C880A M8 Rack Server
B0	February 25, 2026	Created release notes for 4.0.1.260004 for the following server: • Cisco UCS C880A M8 Rack Server
A0	January 16, 2026	Created release notes for 4.0.1.260003 for the following server: • Cisco UCS C880A M8 Rack Server

Overview of the Cisco UCS C880A M8 Rack Server

The Cisco UCS C880A M8 Rack Server accelerates advanced AI and High-Performance Computing (HPC) workloads in every data center with next-generation NVIDIA HGX B300 NVL8 GPUs.

Based on the NVIDIA HGX platform, the Cisco UCS C880A M8 Rack Server is a high-density, air-cooled rack server designed to power the most demanding Artificial Intelligence (AI) and High-Performance Computing

(HPC) workloads. It integrates the NVIDIA HGX platform with eight NVIDIA HGX B300 (SXM) GPUs and is powered by two Intel® Xeon® 6th Gen Processors, making it ideal for real-time Large Language Model (LLM) inference, next-level training performance, and large-volume data processing. The C880A M8 supports customers across the entire AI stack, from large-scale model training and fine-tuning to real-time inferencing and large-volume data processing. It integrates seamlessly into Cisco's AI strategy, connecting and protecting the AI era by providing robust compute infrastructure. This server expands the Cisco UCS® dense AI server portfolio, offering a powerful solution for enterprises across various industries, including service providers, financial services, manufacturing, healthcare, life sciences, and automotive. With its advanced architecture, the C880A M8 ensures unparalleled performance, scalability, and enterprise manageability, making it ideal for compute-intensive AI use cases such as large-scale AI model training, fine tuning, and inferencing.

The Cisco UCS C880A M8 Rack Server stands out by integrating the cutting-edge NVIDIA HGX platform with eight NVIDIA B300 (SXM) GPUs. This powerful GPU configuration is at the heart of its capability to deliver next-level performance for the most demanding AI workloads, including large-scale AI model training, fine tuning, and real-time inferencing. The B300 GPUs provide immense parallel processing capabilities and high-speed GPU interconnects, which are critical for accelerating complex deep learning models and large language models. This integration ensures that enterprises can achieve higher token throughput and improve the economics of their AI operations, enabling profitable scaling of LLM and agentic workloads.

Beyond raw power, the Cisco UCS C880A M8 Rack Server is architected specifically to meet the unique demands of AI and HPC. Its design supports real-time large language model Inference, enabling rapid deployment and responsiveness for AI-driven applications. It also excels in next-level training performance, significantly reducing the time required to train complex AI models. Furthermore, its capacity for large-volume data processing makes it an ideal platform for data-science and big-data analytics, including GPU-accelerated ETL processes. This specialized design ensures that organizations can build, optimize, and utilize AI models efficiently, accelerating business growth with scalable and high-performance solutions.

The Cisco UCS C880A M8 Rack Server is a dedicated rack server platform designed to host and accelerate AI and HPC workloads. It supports various operating systems and virtualization platforms typically used in data center environments for AI/HPC deployments. Specific software stack compatibility includes NVIDIA AI Enterprise and NVIDIA NIM (NVIDIA Inference Microservices) for AI application deployment and optimization. For more information, see Cisco UCS C880A M8 Rack Server Data Sheet.

The Cisco UCS C-Series rack server supports operating systems such as Ubuntu, Red Hat Linux, and so on. For more information on supported operating systems, see the UCS Hardware and Software Compatibility. You can use Cisco Baseboard Management Controller 4.0 (Cisco BMC 4.0) to install an OS on the server using the KVM console and vMedia.

Overview of the Server Software

The Cisco Baseboard Management Controller 4.0 (Cisco BMC 4.0) is the management service for the Cisco UCS C880A M8 Rack Server servers. Cisco BMC 4.0 runs within the server.

You can use a web-based GUI, an SSH-based CLI, or a REST API to access, configure, administer, and monitor the server. Each interface offers different capabilities, and the tasks supported by each interface are described in their respective configuration guides.

Supported Platforms

The following servers are supported in 4.0.1.260003 and later releases:

- Cisco UCS C880A M8 Rack Server

Operating System and Browser Requirements

Cisco recommends the following browsers:

Recommended Browser	Version Tested	Minimum Recommended Operating System
Mozilla Firefox	146.0.1 (aarch64)	macOS Tahoe 26.2
	147.0 (64-bit) 146.0.1 (64-bit)	Windows 11 Enterprise
Apple Safari	Version 26.2 (21623.1.14.11.9)	macOS Tahoe 26.2
Google Chrome	Version 143.0.7499.193 (Official Build) (arm64)	macOS Sequoia 15.7.3 (24G419)
	Version 143.0.7499.110 (Official Build) (arm64) Version 139.0.7258.155	macOS Tahoe 26.2
	Version 143.0.7499.193 (Official Build) (64-bit) Version 143.0.7499.170 (Official Build) (64-bit) Version 144.0.7559.60 (Official Build) (64-bit)	Windows 11 Enterprise
Microsoft Edge	Version 143.0.3650.96 (Official build) (64-bit)	Windows 11 Enterprise

Default Ports

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

Port Name	Port Number
HTTPS	443
IPMI	623
KVM/vMedia	443
NTP	123
SSH	22

Firmware Files

Note Always upgrade all the components BIOS, BMC, CPLD, and GPU. Do not upgrade individual components (only BIOS or only BMC), since this could lead to unexpected behavior. If the BIOS and the BMC versions are from different container releases, it could result in unexpected behavior.

Firmware Files in Release 4.0.2.260009

The 4.0.2.260009 software release includes the following software files:

Table 1: 4.0.2.260009 Cisco Firmware Bundle

CCO Software Type	File Name
Firmware for OOB (BMC, BIOS, CPLD/EROT, and GPU).	ucs-c880a-m8-4.0.2.260009.tar.gz
Host Upgrade Utility support firmware upgrade of ConnectX7, Bluefield, and OCP. HUU Version—4.0.2.260022	ucsc-880a-m8-huu-4.0.2.260022.iso

Firmware Files in Release 4.0.2.260004

The 4.0.2.260004 software release includes the following software files:

Table 2: 4.0.2.260004 Cisco Firmware Bundle

CCO Software Type	File Name
Firmware for OOB (BMC, BIOS, CPLD/EROT, and GPU) and In Band (ConnectX7, Bluefield, and OCP) components.	ucs-c880a-m8-4.0.2.260004.tar.gz

Table 3: GPU Firmware Version

GPU	Minimum Firmware Version	Suggested Firmware Version
NVIDIA B300 (SXM) GPU	97.10.52.00.17-G540.0216.00.03	97.10.64.00.0C-G540.0216.00.03

Firmware Files in Release 4.0.1.260004

The 4.0.1.260004 software release includes the following software files:

Table 4: 4.0.1.260004 Cisco Firmware Bundle

CCO Software Type	File Name
Firmware for OOB (BMC, BIOS, CPLD/EROT, and GPU) and In Band (ConnectX7, Bluefield, and OCP) components.	ucs-c880a-m8-4.0.1.260004.tar.gz

Table 5: GPU Firmware Version

GPU	Minimum Firmware Version	Suggested Firmware Version
NVIDIA B300 (SXM) GPU	97.10.52.00.17-G540.0216.00.03	97.10.64.00.05-G540.0216.00.03

Firmware Files in Release 4.0.1.260003

The 4.0.1.260003 software release includes the following software files:

Table 6: 4.0.1.260003 Cisco Firmware Bundle

CCO Software Type	File Name
Firmware for OOB (BMC, BIOS, CPLD/EROT, and GPU) and In Band (ConnectX7, Bluefield, and OCP) components.	ucs-c880a-m8-4.0.1.260003.tar.gz

Table 7: GPU Firmware Version

GPU	Minimum Firmware Version
NVIDIA B300 (SXM) GPU	97.10.52.00.17-G540.0216.00.03

Bundle Information for Release 4.0.2.260009

The ucs-c880a-m8-4.0.2.260009.tar.gz bundle contains the following:

Component	Version
BMC	4.0.2.260022
BIOS	4.0.2.67
GPU	97.10.7E.00.03-G540.0216.00.03
DCSCM-CPLD	0.1.0.1
MB-CPLD	0.1.2.8
E1S-BP-CPLD	0.1.0.7
BP-CPLD	0.1.0.7
EROT-BMC	4.0.15

Component	Version
EROT-BIOS	4.0.15

HUU Version - 4.0.2.260022

Cisco Host Update Utility ucsc-880a-m8-huu-4.0.2.260022.iso bundle contains the following:

Table 8: Release Version: 4.0.2.260022

Vendor	Description	Version
NVIDIA	NVIDIA BlueField-3 B3220 DPU 2x200G QSFP112, PCIe Gen5.0 x16, Crypto Enabled	32.47.1088
	NVIDIA Bluefield3 B3240 for Cold Aisle, 2x400GbE / NDR IB(default) Crypto Enabled with integrated BMC, Secure Boot Enabled	32.47.1088
	NVIDIA ConnectX-7 200GbE (default mode) / NDR200 IB, Dual-port QSFP112, PCIe 5 x16, Crypto Enabled, Secure Boot Enabled	28.47.1088
INTEL	Intel X710-T2L 2x10GbE RJ45 OCP 3.0 NIC	0x8000FE32-1.3862.0-9.55
MARVELL	Cisco Boot optimized M.2 Raid controller	2.3.17.1016
MICRON	3.84TB E1.S Micron 9550 Gen5 1X NVMe	F3MU111
	7.68TB E1.S Micron 9550 Gen5 1X NVMe	
	15.36TB E1.S Micron 9550 Gen5 1X NVMe	
	3.84TB E1.S Micron 9550 Gen5 1X NVMe(FIPS)	F3MF111
	7.68TB E1.S Micron 9550 Gen5 1X NVMe(FIPS)	
	15.36TB E1.S Micron 9550 Gen5 1X NVMe(FIPS)	

Bundle Information for Release 4.0.2.260004

The ucs-c880a-m8-4.0.2.260004.tar.gz bundle contains the following:

Table 9: Firmware File Matrix

Category	Subcategory	File Name
Host	connectx7	fw-ConnectX7-rel-28_47_1088-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed.bin.zip Readme.txt
	x710-ocp	X710-OCP_9.55.zip Readme.txt
	m.2_raid_controller	ImageA1-1016.bin, Noe_Valley.zip Readme.txt
	nvme_Micron9550	Micron_9550_F3MF111_release.ubi.enc Micron_9550_F3MU111_release.ubi.enc Readme.txt
OOB	bios	C880A-BIOS-4.0.2.67.bin
	erot-bios	C880A-EROT-BIOS-4.0.14.fwpkg
	bmc	C880A-BMC-4.0.2.260016-signed.bin C880A-BMC-4.0.2.260016-signed.fwpkg Readme.txt
	erot-bmc	C880A-EROT-BMC-4.0.14.fwpkg
	gpu	nvfw_HGX-B300x8_0006_260317.1.1_ custom_prod-signed_process.fwpkg
	cpld (bp)	0.1.0.7_output_file_cfm0_auto.fwpkg
	cpld (dcscm)	C880A_scm_fpga_v0101_cfm0_auto.fwpkg
	cpld (e1sbp)	E1s_0107.fwpkg
	cpld (mb)	0.1.2.8_MB_cfm0_auto.fwpkg

Bundle Information for Release 4.0.1.260004

The ucs-c880a-m8-4.0.1.260004.tar.gz bundle contains the following:

Table 10:

Category	Subcategory	File Name
Host	connectx7	• fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed.cbor • fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed-MT_0000001045.pldm • fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed.bin Readme.txt
	x710-ocp	X710-OCP_9.55.zip README.txt
	m.2_raid_controller	ImageA1-1016.bin Noe_Valley.zip Readme.txt
	nvme_Micron9550	Micron_9550_F3MF110_FIPS_release.ubi.enc Micron_9550_F3MU110_release.ubi.enc Readme.txt
OOB	bios	C880A-BIOS-4.0.1.42.bin
	erot-bios	C880A-EROT-BIOS-4.0.1.260005-SVN10.fwpkg
	bmc	C880A-BMC-4.0.1.260014-signed.fwpkg
	erot-bmc	C880A-EROT-BMC-4.0.1.260005-SVN10.fwpkg
	gpu	nvfw_HGX-B300x8_0006_260113.1.4_custom_prod-signed_process.fwpkg
	cpld	bp: 0.1.0.7_output_file_cfm0_auto.fwpkg dcscm: C880A_scm_fpga_v0101_cfm0_auto.fwpkg e1sbp: E1s_0107.fwpkg mb: 0.1.2.8_MB_cfm0_auto.fwpkg

Bundle Information for Release 4.0.1.260003

The ucs-c880a-m8-4.0.1.260003.tar.gz bundle contains the following:

Table 11:

Category	Subcategory	File Name
Host	connectx7	• fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed.bin • fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed.cbor • fw-ConnectX7-rel-28_47_1026-MCX755106AC-HEA_Ax-UEFI-14.40.10-FlexBoot-3.8.201.signed-MT_0000001045.pldm Readme.txt
	x710-ocp	X710-OCP_9.55.zip README.txt
	m.2_raid_controller	ImageA1-1016.bin Noe_Valley.zip Readme.txt
	nvme_Micron9550	Micron_9550_F3MU011_FIPS_release.ubi.enc Micron_9550_F3MU011_release.ubi.enc Readme.txt
OOB	bios	C880A-BIOS-4.0.1.17.bin
	erot-bios	C880A-EROT-BIOS-4.0.1.260003-SVN3.fwpkg
	bmc	C880A-BMC-4.0.1.260003-signed.fwpkg
	erot-bmc	C880A-EROT-BMC-4.0.1.260003-SVN3.fwpkg
	gpu	nvfw_HGX-B300x8_0006_251030.1.1_custom_prod-signed_process.fwpkg
	cpld	bp: 0.1.0.7_output_file_cfm0_auto.fwpkg dcscm: C880A_scm_fpga_v0101_cfm0_auto.fwpkg e1sbp: E1s_0107.fwpkg mb: 0.1.2.8_MB_cfm0_auto.fwpkg

Resolved Caveats

Resolved Caveats in Release 4.0.2.260009

The following caveat is resolved in release 4.0.2.260009:

Defect ID	Symptoms	First Bundle Affected	Resolved in Release
CSCwu73066	The Redfish **ResetToDefaults** command with the **ResetType** set to **PreserveNetwork** does not preserve network settings as expected and instead falls back to DHCP. However, performing a reset to factory defaults with network preservation through the web UI works correctly. The issue occurs specifically when using the **PreserveNetwork** option through Redfish for CIMC reset to factory defaults. This issue is resolved.	4.0.1.260004	4.0.2.260009
CSCwv31440	Redfish and web UI API requests on the Cisco UCS C880A M8 Rack Server can become unresponsive because HTTPS sessions remain stuck in CLOSE_WAIT. This issue can occur after a BMC restart if certain API activities start before the HSU process is fully ready. This issue is resolved.	4.0.1.260004	4.0.2.260009
CSCwu10250	The server does not come up after performing a power cycle from the KVM interface. This issues occurs after updating all components using HUU. The usb1 interface fails to appear in the BMC shell ifconfig after BIOS POST completion, and the HGX/GPU inventory is not listed in BMC or HUU following firmware updates to BMC, BIOS, CPLD, or GPU. This issue is resolved.	4.0.1.260004	4.0.2.260009
CSCwu20901	After the host is powered off from the operating system, a standard power-on request from CIMC or KVM can leave the server in a No Signal state. This issue is resolved.	4.0.1.260004	4.0.2.260009
CSCwv11700	Duplicate Redis database entries can cause the BMC to enter a continuous reboot loop and make Redfish unavailable. This issue is resolved.	4.0.2.260004	4.0.2.260009
CSCwv33368	If only the EPP image is updated and the server is left idle, the system can enter decommission mode and the subsequent BIOS upgrade can fail. This issue is resolved.	4.0.2.260004	4.0.2.260009

Defect ID	Symptoms	First Bundle Affected	Resolved in Release
CSCwv05350	When the HMC is down or the GPU sled is not seated correctly, Redfish requests on the Cisco UCS C880A M8 Rack Server can take several minutes to return. This issue is resolved.	4.0.2.260004	4.0.2.260009
CSCwv57839	After repeated host power cycles on the Cisco UCS C880A M8 Rack Server, BIOS-to-BMC communication can fail and the host can stop creating /dev/ipmi0 for KCS access. This issue is resolved.	4.0.2.260004	4.0.2.260009

Resolved Caveats in Release 4.0.2.260004

The following caveat is resolved in release 4.0.2.260004:

Defect ID	Symptom	First Affected Release	Resolved in Release
CSCws10791	The installer fails to read the ISO from the local media mount (virtual CD/DVD) when installing Ubuntu 24.04 or RHEL 10 through KVM. This results in I/O errors on `/dev/sr0` during early boot, causing system to terminate with a protocol error. The local media option is only available through KVM, while remote media is accessible through the Cisco BMC 4.0 UI. This issue is resolved.	4.0.1.260004	4.0.2.260004
CSCws11095	During host power cycles, multiple components report `lower non critical going low` asserted and deasserted events in the IPMI SEL logs. These events include temperature sensors, voltages, power supplies, and fan speeds. This issue is resolved.	4.0.1.260004	4.0.2.260004

Defect ID	Symptom	First Affected Release	Resolved in Release
CSCwt33362	The server does not complete a proper power cycle when the Power Cycle operation is triggered through the Redfish API while in a Pre-OS environment such as the UEFI shell or BIOS page. Although the Redfish command returns a success response, the system remains stuck with the KVM console showing **No Signal** and does not reboot as expected. Power Cycle operation works correctly when initiated from the KVM or Web UI. This issue is resolved.	4.0.1.260004	4.0.2.260004
CSCws97457	After a BIOS firmware update performed while the host is powered off, the host may fail to power on using the Cisco BMC Web UI, displaying the error `Performing power action failed`. The host remains off and does not recover with standard BMC power actions. Recovery requires a full power cycle through Redfish API. When the BIOS update is done with the host powered on followed by a host power cycle, no power-on failure occurs.	4.0.1.260004	4.0.2.260004

Defect ID	Symptom	First Affected Release	Resolved in Release
CSCwt15746	The Firmware Inventory page for DGX displays only the BIOS component and the firmware version during Sync Recovery Redfish actions and BMC upgrades. The HGX tab remains empty, and Redfish also shows only the BIOS details. This issue occurs during BMC firmware updates and Sync Recovery operations for BIOS and BMC components.	4.0.1.260004	4.0.2.260004
CSCwt21722	The Graceful Restart option does not function correctly when triggered from the KVM console while the system is in the EFI Shell environment. The KVM console shows **No Signal** for a long time, and the host does not power cycle as expected. Graceful Restart works properly when initiated through the Redfish interface.	4.0.1.260004	4.0.2.260004

Resolved Caveats in Release 4.0.1.260004

The following caveat is resolved in release 4.0.1.260004:

Defect ID	Symptom	First Affected Release	Resolved in Release
CSCws39920	The CPLD firmware update for MB and DCSCM_0 fails when the force upgrade option is not enabled. This issue occurs when using Redfish API or web GUI interfaces for the upgrade. This issue is resolved.	4.0.1.260003	4.0.1.260004

Defect ID	Symptom	First Affected Release	Resolved in Release
CSCws67923	The Cisco UCS C880A-M8 server Web UI does not enforce the Force upgrade option during BMC and BIOS firmware updates. This issue is resolved.	4.0.1.260003	4.0.1.260004
CSCws32802	BIOS token values set to non-default in the BIOS setup do not persist after a BIOS firmware update on the Cisco UCS C880A M8 Rack Server. This causes BIOS configurations to be lost after the update. This issue is resolved.	4.0.1.260003	4.0.1.260004
CSCws71001	Remote Media in Cisco BMC 4.0 UI auto-populates available images and supports multiple mount slots for CIFS and NFS protocols. When HTTPS is used as the mount protocol, images are not auto-populated, only one mount slot is available, and manual entry of the image name is required. This causes a different user experience compared to CIFS and NFS mounts. This issue is resolved.	4.0.1.260003	4.0.1.260004

Open Caveats

Open Caveats in Release 4.0.2.260009

The following defects are open in release 4.0.2.260009:

Defect ID	Symptoms	Workaround	First Bundle Affected
CSCwv85541	Cisco UCS C880A M8 Rack Server can remain stuck in the Power Off state and may not respond to normal power-on or power-cycle operations. This issue can be seen during host power-on or when the system shuts down automatically.	Perform a full power cycle by using Cisco BMC 4.0 management controls.	4.0.2.260009
CSCwv75511	Bluefield3 adapters on the Cisco UCS C880A M8 Rack Server may not retain NIC mode settings and can revert to DPU mode after reboot or after a BIOS reset to defaults. After switching the adapter to NIC mode, an AC power cycle is required before making additional changes.	After switching the Bluefield3 adapter to NIC mode, perform a full AC power cycle before making additional changes.	4.0.2.260009
CSCwv76354	On Cisco UCS C880A M8 Rack Server with B3220 adapters configured for north-south Ethernet traffic, one of the Bluefield3 ports can fail to initialize. This issue can occur on systems with B3220 adapters configured for north-south Ethernet traffic.	Perform a system power cycle from KVM or Redfish to recover the port.	4.0.2.260009
CSCwv86697	Cisco UCS C880A M8 Rack Server can boot from the backup BIOS SPI image when it does not reach the operating system within the expected time. This issue can be seen during host reboot when the system does not boot to the operating system within the expected time.	Perform a full power cycle from the Cisco BMC 4.0 UI or through Redfish.	4.0.2.260009

Open Caveats in Release 4.0.2.260004

The following defects are open in Release 4.0.2.260004:

Defect ID	Symptom	Workaround	First Affected Release
CSCwu20901	After the host is powered off from the operating system, a standard power-on request from CIMC or KVM can leave the server in a No Signal state.	Use **Power cycle** option to turn on the Host.	4.0.2.260004

Defect ID	Symptom	Workaround	First Affected Release
CSCws72023	After POST completes and the system stabilizes, some sensors can intermittently report No Reading and the fan can run at a higher duty cycle before recovering. This issue occurs during system power cycle.	It recovers automatically after few minutes of Post complete.	4.0.2.260004
CSCwu10250	The server does not come up after performing a power cycle from the KVM interface. This issues occurs after updating all components using HUU. The usb1 interface fails to appear in the BMC shell ifconfig after BIOS POST completion, and the HGX/GPU inventory is not listed in BMC or HUU following firmware updates to BMC, BIOS, CPLD, or GPU.	Reboot the BMC to recover from this issue.	4.0.2.260004
CSCwt89201	After BIOS defaults are restored under specific ConnectX-8 Option ROM conditions, half of the integrated ConnectX-8 ports can switch to InfiniBand mode while the remaining ports stay in Ethernet mode. This issue occurs when ConnectX-8 Option ROM is enabled in the BIOS Menu, and followed by that if a BIOS restore to default is performed, half of the CX8 ports will be in Ethernet Mode other half in Infiniband mode.	Do not enable Option ROM for ConnectX-8 cards. If the system is impacted, reset the ConnectX-8 port link type back to Ethernet and reboot the system.	4.0.2.260004

Defect ID	Symptom	Workaround	First Affected Release
CSCwu31617	Requests for a single SEL entry through Redfish can return incomplete details even though the expanded SEL collection returns the full entry data.	Use the web UI for SEL logs, or fetch SEL entries by using the Redfish expand-all query.	4.0.2.260004

Open Caveats in Release 4.0.1.260004

The following defects are open in Release 4.0.1.260004:

Defect ID	Symptom	Workaround	First Affected Release
CSCws10791	The installer fails to read the ISO from the local media mount (virtual CD/DVD) when installing Ubuntu 24.04 or RHEL 10 through KVM. This results in I/O errors on `/dev/sr0` during early boot, causing system to terminate with a protocol error. The local media option is only available through KVM, while remote media is accessible through the Cisco BMC 4.0 UI.	Use the remote media option to mount vMedia is available through the Cisco BMC 4.0 UI.	4.0.1.260004
CSCws11095	During host power cycles, multiple components report `lower non critical going low` asserted and deasserted events in the IPMI SEL logs. These events include temperature sensors, voltages, power supplies, and fan speeds.	There are no known workarounds. This issue does not have any functional impact.	4.0.1.260004

Defect ID	Symptom	Workaround	First Affected Release
CSCws30241	Redfish interface does not display port speed and link status information. Additionally, extra spaces appear in the Serial Number, Part Number, and Model fields of BF-3 adapters.	In the Cisco BMC 4.0 UI, the link speed for BF-3 ports can be found under the **Advanced** tab in the BIOS settings. This allows you to view and manage the port speed configuration directly from the BIOS interface.	4.0.1.260004
CSCws97457	After a BIOS firmware update performed while the host is powered off, the host may fail to power on using the Cisco BMC Web UI, displaying the error `Performing power action failed`. The host remains off and does not recover with standard BMC power actions. Recovery requires a full power cycle through Redfish API. When the BIOS update is done with the host powered on followed by a host power cycle, no power-on failure occurs.	Perform the BIOS firmware upgrade while the host is powered on. After the upgrade, perform a host power cycle to activate the new firmware.	4.0.1.260004
CSCwt15746	The Firmware Inventory page for DGX displays only the BIOS component and the firmware version during Sync Recovery Redfish actions and BMC upgrades. The HGX tab remains empty, and Redfish also shows only the BIOS details. This issue occurs during BMC firmware updates and Sync Recovery operations for BIOS and BMC components.	Wait for the upgrade to finish before verifying the components and their versions.	4.0.1.260004

Defect ID	Symptom	Workaround	First Affected Release
CSCwt33362	The server does not complete a proper power cycle when the Power Cycle operation is triggered through the Redfish API while in a Pre-OS environment such as the UEFI shell or BIOS page. Although the Redfish command returns a success response, the system remains stuck with the KVM console showing **No Signal** and does not reboot as expected. Power Cycle operation works correctly when initiated from the KVM or Web UI.	Use the Web UI interface to perform Power cycle.	4.0.1.260004
CSCwt21722	The Graceful Restart option does not function correctly when triggered from the KVM console while the system is in the EFI Shell environment. The KVM console shows **No Signal** for a long time, and the host does not power cycle as expected. Graceful Restart works properly when initiated through the Redfish interface.	Use the web UI, Redfish API, or KVM Power cycle option to perform Graceful restart.	4.0.1.260004

Defect ID	Symptom	Workaround	First Affected Release
CSCwu73066	The Redfish **ResetToDefaults** command with the **ResetType** set to **PreserveNetwork** does not preserve network settings as expected and instead falls back to DHCP. However, performing a reset to factory defaults with network preservation through the web UI works correctly. The issue occurs specifically when using the **PreserveNetwork** option through Redfish for CIMC reset to factory defaults.	Use the web UI option to perform a CIMC reset to factory defaults and preserve both network and IPMI configurations.	4.0.1.260004

Open Caveats in Release 4.0.1.260003

The following defects are open in Release 4.0.1.260003:

Defect ID	Symptom	Workaround	First Affected Release
CSCws11095	During host power cycle on the Cisco UCS C880A M8 Rack Server, multiple components assert and deassert **lower non critical going low** events, as recorded in the IPMI SEL logs. These events include temperature sensors on various MCUs, voltage sensors on the motherboard and power distribution board, power supply units, and fan speed sensors. This behavior is observed as part of the normal power cycle process and reflects transient state changes in component monitoring during power transitions.	There is no known workaround. These events have no functional impact.	4.0.1.260003

Defect ID	Symptom	Workaround	First Affected Release
CSCws28323	Cisco UCS C880A M8 Rack Server experiences boot time increases to over 40 minutes when the Option ROM dispatch policy is enabled for all network cards in the BIOS setup.	Disabled option ROM after finishing option configurations.	4.0.1.260003
CSCws32802	BIOS token values set to non-default in the BIOS setup do not persist after a BIOS firmware update on the Cisco UCS C880A M8 Rack Server. This causes BIOS configurations to be lost after the update.	Use Redfish method to configure BIOS token post BIOS upgrade.	4.0.1.260003
CSCws30241	REST API interface for Cisco UCS C880A M8 Rack Server does not display port link speed or link status information.	Refer to **Advance** tab in BIOS to get Link speed.	4.0.1.260003
CSCws67923	The Cisco UCS C880A-M8 server Web UI does not enforce the Force upgrade option during BMC and BIOS firmware updates.	Select force option during BIOS and BMC update.	4.0.1.260003
CSCws39920	The CPLD firmware update for MB and DCSCM_0 fails when the force upgrade option is not enabled. This issue occurs when using Redfish API or web GUI interfaces for the upgrade.	Choose FORCE option while performing firmware update.	4.0.1.260003

Known Behavior and Limitations

Known Behavior and Limitations in Release 4.0.2.260009

There are no known behaviors and limitations in release 4.0.2.260009.

Known Behavior and Limitations in Release 4.0.2.260004

The following are known limitations in Release 4.0.2.260004:

Defect ID	Symptom	Workaround	First Affected Release
CSCws30241	Redfish interface does not display port speed and link status information. Additionally, extra spaces appear in the Serial Number, Part Number, and Model fields of BF-3 adapters.	In the Cisco BMC 4.0 UI, the link speed for BF-3 ports can be found under the **Advanced** tab in the BIOS settings. This allows you to view and manage the port speed configuration directly from the BIOS interface.	4.0.1.260004
CSCwu26318	After downgrading to release 4.0.1.260004, Redfish services can stop responding.	Downgrading to release 4.0.1.260004 is not supported. As a workaround, perform a CIMC reset to factory defaults to recover Redfish services.	4.0.2.260004
CSCwt88272	The PSU indexing in the Redfish PowerSupplies collection starts from PSU_0 to PSU_11, while IPMI number PSUs from PSU1 to PSU12. This causes an indexing mismatch across management interfaces. The issue occurs in release 4.0.1.260004 . Additionally, the Redfish interface may show 13 PSU entries under these conditions.	After upgrading to release 4.0.2.260004, perform a CIMC factory reset with all presever options unchecked. Then, reboot the host to complete the process.	4.0.1.260004

Known Behavior and Limitations in Release 4.0.1.260004

The following are known limitations in Release 4.0.1.260004:

Defect ID	Symptom	Workaround	First Affected Release
CSCws28323	Server boot time may increase to over several minutes when the OptionRom dispatch policy is enabled for all network cards in the BIOS setup. Some servers may hang at the BIOS POST. Recovery steps include forcing a power off, loading BIOS defaults, saving, performing a warm reset, and re-enabling the OptionRom. Despite recovery, boot time remains significantly longer than expected.	Disabled option ROM after finishing option configurations.	4.0.1.260004
CSCws43240	The GPU firmware update using the Redfish API force update option completes successfully for most HGX components; however, the HGX_FW_BMC_0 component does not reflect the updated firmware version after the update and server power cycle.	Verify the task completion at 100%, perform a full power cycle, and then check the firmware versions of all HGX components. This ensures the HGX_FW_BMC_0 firmware version updates correctly after the GPU firmware update process.	4.0.1.260004

OOB Firmware Upgrade and Activation Requirements

OOB Component	Required Action For Firmware Activation
BMC	BMC Reboot
BIOS	Host Power Cycle
EROT (BMC)	Full Power Cycle **Note** Full Power Cycle is supported only through Redfish API.
EROT (BIOS)	Full Power Cycle

OOB Component	Required Action For Firmware Activation
Motherboard (MB) CPLD	Full Power Cycle / AC Power Cycle **Note** AC Power Cycle—PSU power drain (PDU or direct PSU power removal)
Backplane (BP) CPLD	Full Power Cycle / AC Power Cycle
E1.S CPLD	Full Power Cycle / AC Power Cycle
DCSCM CPLD	Full Power Cycle / AC Power Cycle
GPU	Host Power Cycle

Related Documentation

For more information, you can access related documents from the following links:

- Cisco Baseboard Management Controller 4.0 GUI Configuration Guide, Release 4.0
- Cisco Baseboard Management Controller 4.0 CLI Configuration Guide, Release 4.0

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