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Release Notes for Cisco UCS Server Diagnostic Utilities, Release 7.0

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Cisco UCS Server Diagnostics Utilities

Cisco provides the following diagnostics utilities for Cisco UCS C-Series Servers:

1. **Cisco UCS Server Diagnostics Utility**—The Cisco UCS Server Diagnostics Utility is an application that helps you to:

   • View server inventory.

   • Perform interactive offline diagnostics.

   • View server health and logs.

   For more information on performing these tasks, see the latest version of the Cisco UCS Server Diagnostics Utility User Guide.

   Beginning with release 6.1(3a), NI-IOD is supported by Python release 3.0.

2. **Cisco UCS UEFI Diagnostics Utility**—Cisco UCS UEFI Diagnostics Utility application helps you perform various CPU, Memory, HDD, OS, Video, and Drivers test in UEFI shell.

Note

a. Test logs can be transferred to a USB drive.

b. Cisco UCS UEFI Diagnostics Utility can run only on BIOS UEFI mode. BIOS legacy mode is not supported.

You can download the ISO images for Cisco UCS Server Diagnostics Utility and Cisco UCS UEFI Diagnostics Utility from Software Download.

This release notes provides information about both the utilities. Both these utilities follow different release schedules. The information provided in this release notes applies to both the utilities unless specified otherwise.

Revision History

Revision	Date	Description
C0	October 17, 2023	Created release notes for Release 7.0.3.230011.

Revision	Date	Description
B0	July 4, 2023	Created release notes for Release 7.0.2.230005.
A0	April 14, 2023	Created release notes for Release 7.0.1.230005.

System Requirements

Supported Platforms

Release 7.0.3.230011

Cisco UCS Server Diagnostics Utility 7.0.3.230011 is supported on the following Cisco UCS servers:

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS B200 M5 Cisco UCS B480 M5	Cisco UCS B200 M6 Cisco UCS X210c M6	Cisco UCS X410c M7 Cisco UCS X210c M7
Cisco UCS C220 M5 Cisco UCS C240 M5 Cisco UCS C240 SD M5 Cisco UCS C480 M5 Cisco UCS C480 M5 ML Cisco UCS C125 M5 Cisco UCS S3260 M5	Cisco UCS C220 M6 Cisco UCS C240 M6 Cisco UCS C245 M6 Cisco UCS C225 M6	Cisco UCS C220 M7 Cisco UCS C240 M7

Release 7.0.2.230005

Cisco UCS Server Diagnostics Utility 7.0.2.230005 is supported on the following Cisco UCS servers:

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS B200 M5 Cisco UCS B480 M5	Cisco UCS B200 M6 Cisco UCS X210c M6	Cisco UCS X410c M7 Cisco UCS X210c M7

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS C220 M5	Cisco UCS C220 M6	Cisco UCS C220 M7
Cisco UCS C240 M5	Cisco UCS C240 M6	Cisco UCS C240 M7
Cisco UCS C240 SD M5	Cisco UCS C245 M6	
Cisco UCS C480 M5	Cisco UCS C225 M6	
Cisco UCS C480 M5 ML		
Cisco UCS C125 M5		
Cisco UCS S3260 M5		

Release 7.0.2.230005

Cisco UCS Server Diagnostics Utility 7.0.2.230005 is supported on the following Cisco UCS servers:

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS B200 M5	Cisco UCS B200 M6	Cisco UCS X410c M7
Cisco UCS B480 M5	Cisco UCS X210c M6	Cisco UCS X210c M7
Cisco UCS C220 M5	Cisco UCS C220 M6	Cisco UCS C220 M7
Cisco UCS C240 M5	Cisco UCS C240 M6	Cisco UCS C240 M7
Cisco UCS C240 SD M5	Cisco UCS C245 M6	
Cisco UCS C480 M5	Cisco UCS C225 M6	
Cisco UCS C480 M5 ML		
Cisco UCS C125 M5		
Cisco UCS S3260 M5		

Release 7.0.1.230005

Cisco UCS Server Diagnostics Utility 7.0.1.230005 is supported on the following Cisco UCS servers:

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS B200 M5	Cisco UCS B200 M6	Cisco UCS X410c M7
Cisco UCS B480 M5	Cisco UCS X210c M6	Cisco UCS X210c M7

Cisco UCS M5 Server	Cisco UCS M6 Servers	Cisco UCS M7 Servers
Cisco UCS C220 M5	Cisco UCS C220 M6	Cisco UCS C220 M7
Cisco UCS C240 M5	Cisco UCS C240 M6	Cisco UCS C240 M7
Cisco UCS C240 SD M5	Cisco UCS C245 M6	
Cisco UCS C480 M5	Cisco UCS C225 M6	
Cisco UCS C480 M5 ML		
Cisco UCS C125 M5		
Cisco UCS S3260 M5		

Hardware Requirements for Cisco UCS Server Diagnostics Utilities

The following are the minimum hardware requirements for UCS Server Diagnostics Utility:

- CD-ROM Drive—A USB CD/DVD-ROM drive is required to be able to boot and run the UCS Server Diagnostics Utility. You can also use the virtual media option in the Cisco IMC KVM to boot UCS Server Diagnostics Utility.

- Mouse—Some functions require a standard mouse (USB) for navigation.

- RAM—A minimum of 4 GB RAM. If the available RAM is less than the minimum recommended value, UCS Server Diagnostics Utility will not function properly.

New Features

New Features in Release 7.0.3.230011

Beginning with release 7.0.3.230011, SDU supports the following features:

- Support for Intel DCDIAG socket level test

- Support for Cancel Task feature

- Log collection enhancement

New Features in Release 7.0.2.230005

Beginning with release 7.0.2.230005, SDU supports the following feature:

- Enhanced Logging: User-readable logs captured under tech support.

New Features in Release 7.0.1.230005

Beginning with release 7.0.1.230005, SDU supports the following features:

- New user interface - The new user interface is a new re-designed look of SDU from the release 7.0.1.230005 onwards.

- Support for dynamic test detection based on the discovered hardware.

- Enhanced tools: Intel® Data Center Diagnostic Tool for Intel® Xeon® Processors

Known Behaviors and Limitations for Cisco UCS Server Diagnostics Utility

Release 7.0.1.230005

Following are the known behaviors for release 7.0.1.230005:

Defect ID	Symptom	Workaround	First Affected Release
CSCwe92339	On the Cisco UCS M5 server, physical drive test failed in Quick Diagnostics in SDU UI and displays the following warning message: Test is already in progress.	Retry running the physical drive diagnostic test after few minutes.	6.2(3d)
CSCwe88065	SEL page in SDU UI displays the old entries and does not refresh the content, despite clearing the SEL using the option in CIMC UI.	1. Clear the SEL using the option in SDU UI. 2. View the refreshed SEL page in SDU UI - the new SEL entries are displayed.	6.2(3d)
CSCwe94316	Graphics 3D image in Quick test fails when booted through BIOS F7 option.	Re-run the Graphics 3D image in Quick test in SDU.	7.0.1.230005
CSCwe58336	Selecting few tests from the test table and unselecting a test, does not unselect the respective test from the test table in the user interface.	Unselect all the tests and re-select the required tests in the user interface.	6.2(3d)
CSCwe63570	While doing power cycle using the option in SDU UI, an error message is displayed.	There is no impact on the feature and only an error message is displayed.	6.2(3d)

Note SDU release 7.0.1.230005 does not support CLI mode and NI-IOD (non-interactive diagnostics).

Related Documentation

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

- Cisco UCS Server Configuration Utility User Guide

- Cisco Driver Update Utility User Guide

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

- Regulatory Compliance and Safety Information for Cisco UCS

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, 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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