



Overview of UCS Blade Server Diagnostics

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Overview of Cisco UCS Manager Diagnostics

The Cisco UCS Manager diagnostics tool enables you to verify the health of the hardware components on your servers. The diagnostics tool provides a variety of tests to exercise and stress the various hardware subsystems on the servers, such as memory and CPU. You can use the tool to run a sanity check on the state of your servers after you fix or replace a hardware component. You can also use this tool to run comprehensive burn-in tests before you deploy a new server in your production environment.

When a system is new, a default diagnostics policy is created in org scope. This default policy is named default and it cannot be deleted. The user will receive an error message if they try to delete it. The default diagnostic policy is the preferred way to execute the same set of tests across all servers. Any diagnostic policy, including the default can be customized.

The default policy only has one memory test. The default parameters of the memory test can be modified. In addition, the memory test within the default diagnostics policy can be deleted. If it does not have a memory test, the diagnostic policy will not run.

What is New

Cisco UCS Diagnostics for B-Series Blade Servers, Release 2.0 introduces support for UCS B200 M5 and B480 M5 servers. These servers are based on the latest architecture from Intel and powered by the new Intel Xeon Processor Scalable family. The M5 servers offer improved processing performance (up to 28-cores per socket) and faster memory (up to 2666MHz). The servers also bring improved memory, storage and GPU density, including more NVMe options per server, support for more GPUs, and an M.2 option. Cisco UCS Manager extends support for all existing features on the UCS B200 M5 servers unless specifically noted.

Supported Servers

The following table lists the UCS B-Series Blade Servers that are supported for the UCS Blade Server Diagnostics, Release 2.0.

Table 1: Supported Servers

Component	Recommended Software Version
Servers	
B200 M5 B480 M5	2.0(0.4)
B420 M4 E5-4600 v3 B420 M4 E5-4600 v4	2.0(0.4)
B260 M4 E7-4800 v3 B260 M4 E7-8800 v3 B260 M4 E7-4800 v4 B260 M4 E7-8800 v4	2.0(0.4)
B460 M4 E7-4800 v3 B460 M4 E7-8800 v3 B460 M4 E7-4800 v4 B460 M4 E7-8800 v4	2.0(0.4)
B22 M3	2.0(0.4)
B200 M2	2.0(0.4)
B200 M3	2.0(0.4)
B200 M4 B200 M4 Intel E5-2600 v4	2.0(0.4)
B230 M2	2.0(0.4)
B250 M2	2.0(0.4)
B260 M4	2.0(0.4)
B420 M3	2.0(0.4)
B440 M2	2.0(0.4)

Component	Recommended Software Version
Servers	
B460 M4	2.0(0.4)

