



Command Reference for the CLI

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CLI Tests and Descriptions

The following table lists the CLI commands for the corresponding diagnostics tests. The tests are listed by category.



Note

Some tests are only available as comprehensive tests.

Category	Test Name	CLI Command	Options
CIMC	Selftest	cimc selftest	[count][duration] <ul style="list-style-type: none">• [count]—Number of loops to run; default 2.• [duration]—Number of minutes to run the test; the default is 10.
CPU	Stress	cpu stress	[duration] The duration in minutes. The default is 2.
	Stream	cpu stress	No options are available.
	Temperature	cpu temperature	No options are available.
	Cache	cpu cache	[duration] The duration in minutes. The default is 4.

Category	Test Name	CLI Command	Options
	Register	cpu register	No options are available.
Memory	Noise	memory noise	<p>[loops][size]</p> <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 5 • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. <p>You can also run this test in the background.</p>
	Random address	memory random	<p>[loops][size]</p> <ul style="list-style-type: none"> • [loops]— Number of loops to run; default 1. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. <p>You can also run this test in the background.</p>
	March	memory march	<p>[loops][size]</p> <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 2. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. <p>You can also run this test in the background.</p>
	Walk	memory walk	<p>[loops][size]</p> <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 1. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. <p>You can also run this test in the background.</p>
	Address	memory address	<p>[loops][size]</p> <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 1. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. <p>You can also run this test in the background.</p>

Category	Test Name	CLI Command	Options
	Pattern	memory pattern	[loops][size] <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 1. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. You can also run this test in the background.
	Butterfly	memory butterfly	[loops][size] <ul style="list-style-type: none"> • [loops]—Number of loops to run; default 2. • [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all. You can also run this test in the background.
Storage	Smart	storage smart	No options are available.
	Selftest	selftest	[duration] Duration in minutes; the default is 10.

CLI Additional Commands

The following table lists the additional commands that you can run in the CLI for the diagnostics tool.

Command Name	Definition	CLI Command
Comment	Adds a comment entry into a test script that you create for batch tests.	!
Run CIMC tests	Runs CIMC self-tests.	cimc selftest
Switch to GUI	Returns to the GUI mode.	gui
List devices on PCI	Lists all devices that are available on the PCI bus.	pci
Reboot server	Reboots the server.	reboot
Save logs	Save the logs to the USB drive.	saveusb
Server information	Displays the basic server details, such as CPU, memory, I/O, storage, BIOS, CIMC.	server
BIOS information	Displays the BIOS information.	smbios

Command Name	Definition	CLI Command
Clear logs	Clears the log and the System Event Logs (SEL) log for the diagnostics tool.	clear diaglogs sellogs
Stop	Stops a test that is already running.	stop (example, memory noise stop)
Help	Displays a list of available commands and sub-commands.	?
Scroll window	Scrolls the CLI window down or up.	Right-click the scroll bar to scroll up and left-click the scroll bar to scroll down.