# Command Reference for the CLI

This chapter contains the following topics:

## 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]<br>• [count]—Number of loops to run; default 2.<br>• [duration]—Number of minutes to run the test; the default is 10. |
| CPU | Stress | cpu stress | [duration]<br>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]<br>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 | [loops][size]<br><br>• [loops—Number of loops to run; default 5<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | Random address | memory random | [loops][size]<br><br>• [loops]— Number of loops to run; default 1.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | March | memory march | [loops][size]<br><br>• [loops]—Number of loops to run; default 2.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | Walk | memory walk | [loops][size]<br><br>• [loops]—Number of loops to run; default 1.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | Address | memory address | [loops][size]<br><br>• [loops]—Number of loops to run; default 1.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |

| Category | Test Name | CLI Command | Options |
|---|---|---|---|
| | Pattern | memory pattern | [loops][size]<br><br>• [loops]—Number of loops to run; default 1.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | Butterfly | memory butterfly | [loops][size]<br><br>• [loops]—Number of loops to run; default 2.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>You can also run this test in the background. |
| | Pmem2 | memory pmem2 | [loops][size] [checker][chunk]<br><br>• [loops]—Number of loops to run; the default is 1.<br><br>• [size]—Size of memory to test (example: 10 GB, 500 MB); the default is all.<br><br>• [checker]—checker mode(0=prbs+killer, 1=butterfly, 2=prbs, 3=killer, 4=prbs addr); the default is 0.<br><br>• [chunk]—chunk size (0=big chunk, 1=5MB chunk); the default is 0. |
| Storage | Smart | storage smart | No options are available. |
| | Selftest | selftest | [duration]<br>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 |

| Command Name | Definition | CLI Command |
|---|---|---|
| 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 |
| 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. |