Running Diagnostic

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Running diagnostic

The Self-Diagnostic Test is used to perform function coverage testing. Running on Linux, it is a UI framework to merge/involve different test diagnostic programs including Open-Source tools (included BSD/GPL v2.0 license), Vendor Tools/Drivers, and some diagnostic tools from ODM.

The user can utilize **selftest.py** to merge various diagnostic utilities, packages, and scripts for conducting function testing. ODM can set up and build a package that includes **selftest.py** and diagnostic utilities for customers to perform interaction testing.

Environment requirement

No.	Item	Version
1	Ubuntu®	22.04.2
2	Python	3.10.12
3	smartctl	7.2
4	xterm	372

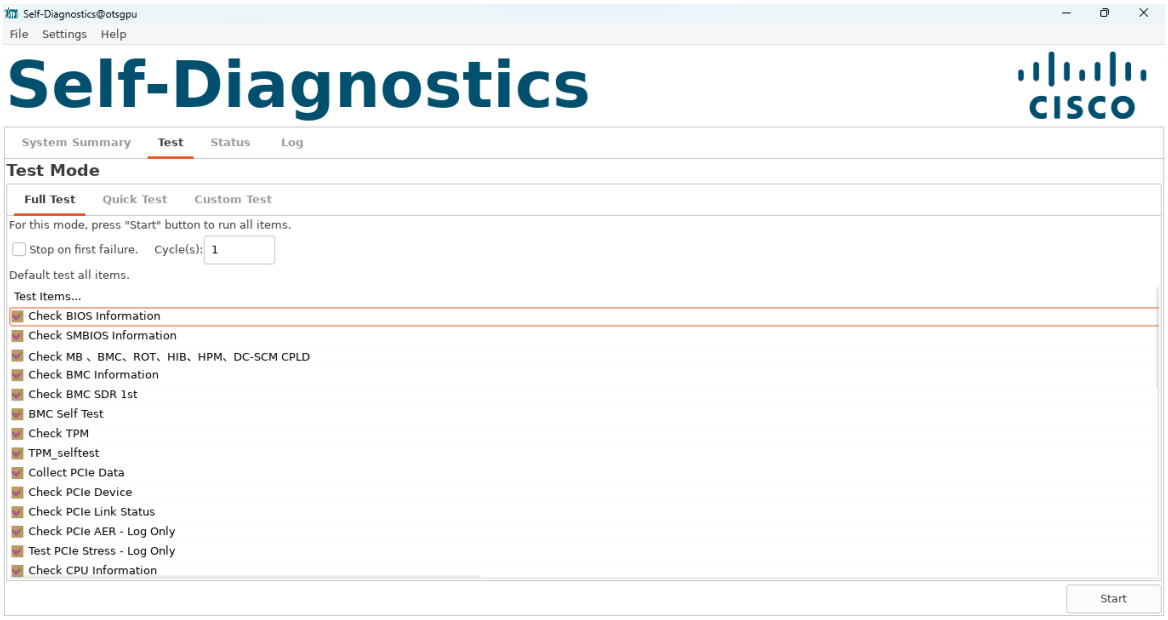
How to execute test program in Linux console

Execute the following Self-Diagnostic test commands:

- **sudo chmod -R +x ***
- **sudo ./selftest**

User interface

Main window



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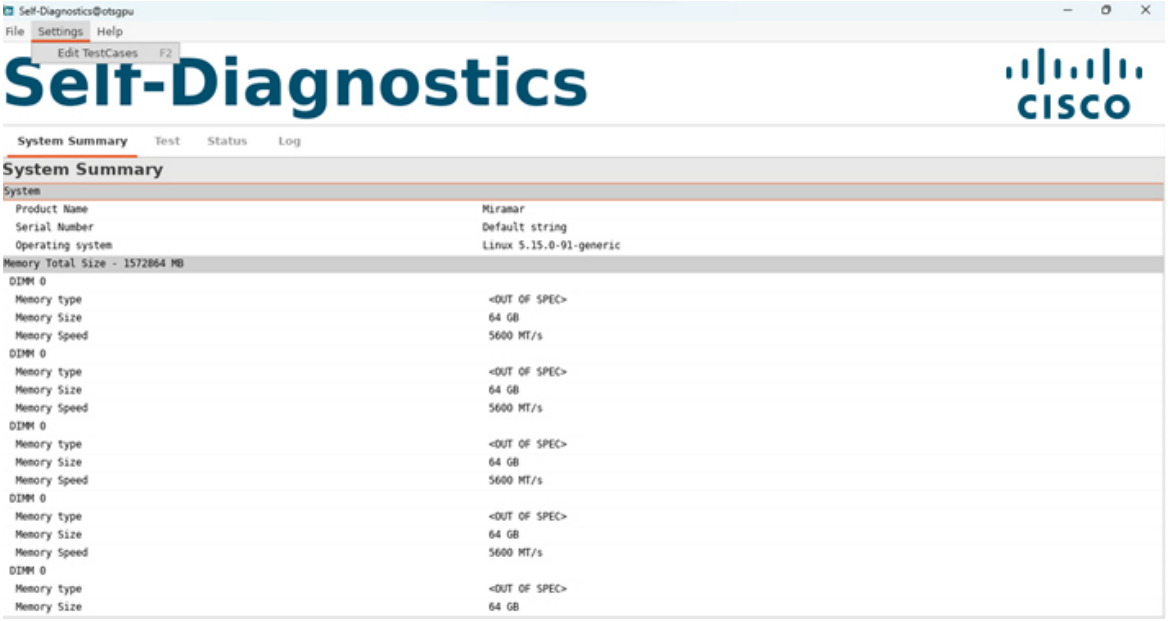
System Summary

It displays **system**, **memory**, **CPU**, **Hard Disk** information.



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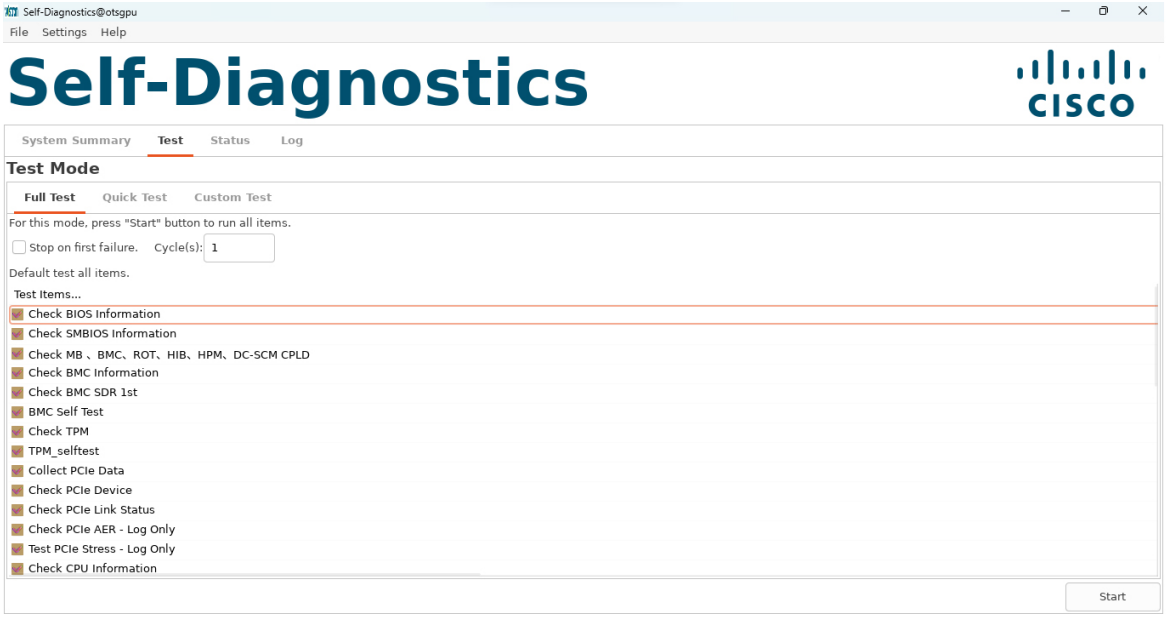
Test

Switch to the **Test** path, press **Start button** to start the testing.



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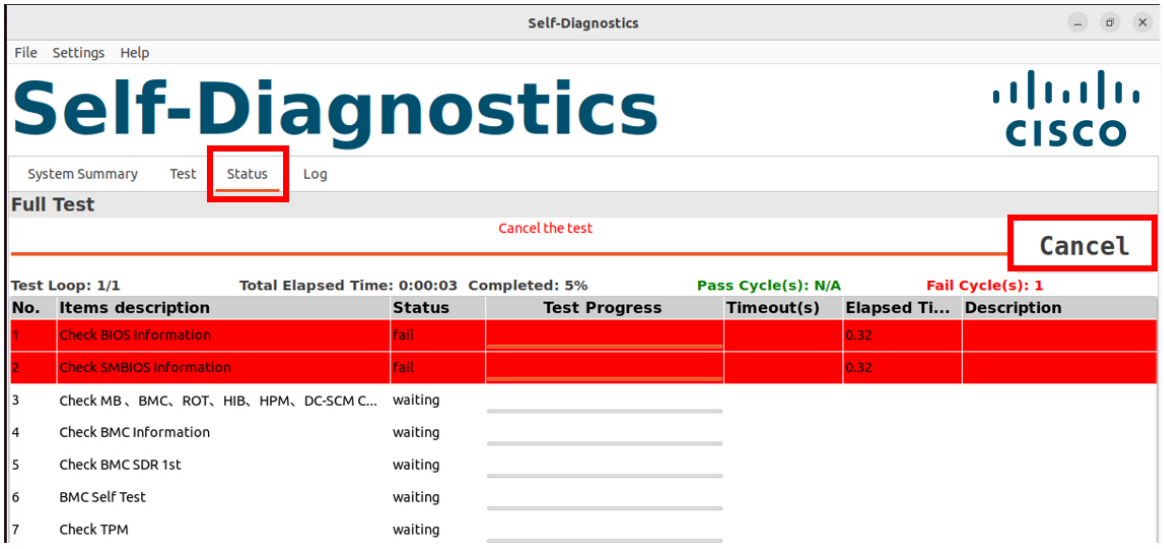
Note You will need to perform all the test items defined in the **sequence.xml**.

Test Status

Switch to the **Status** path.

You can check the test status and press **Cancel button** to stop the test during testing.

Figure 1: Test Status



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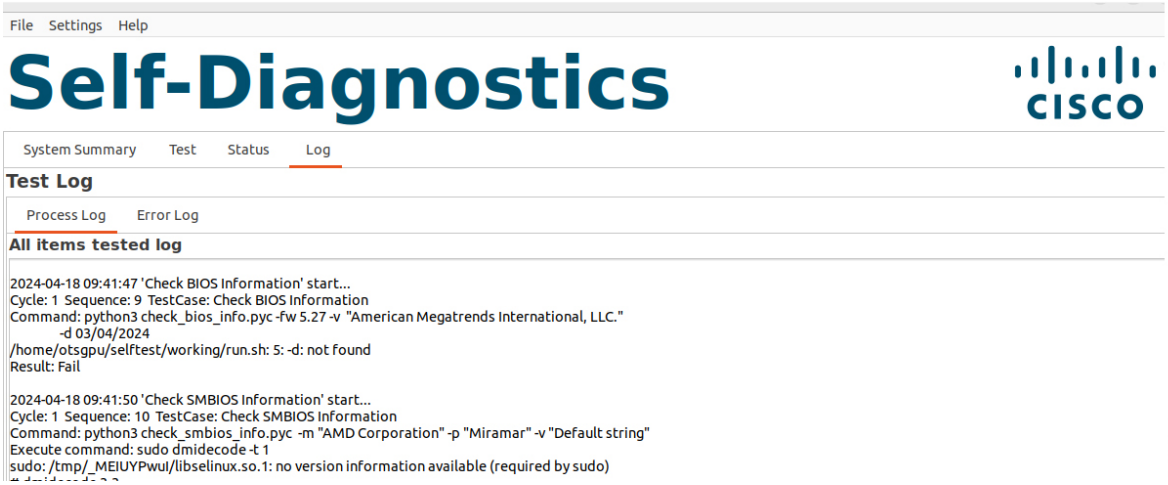
Test Log

Switch to the **Log** path to review the test log directly and find the complete Logs from the selftest tool path.



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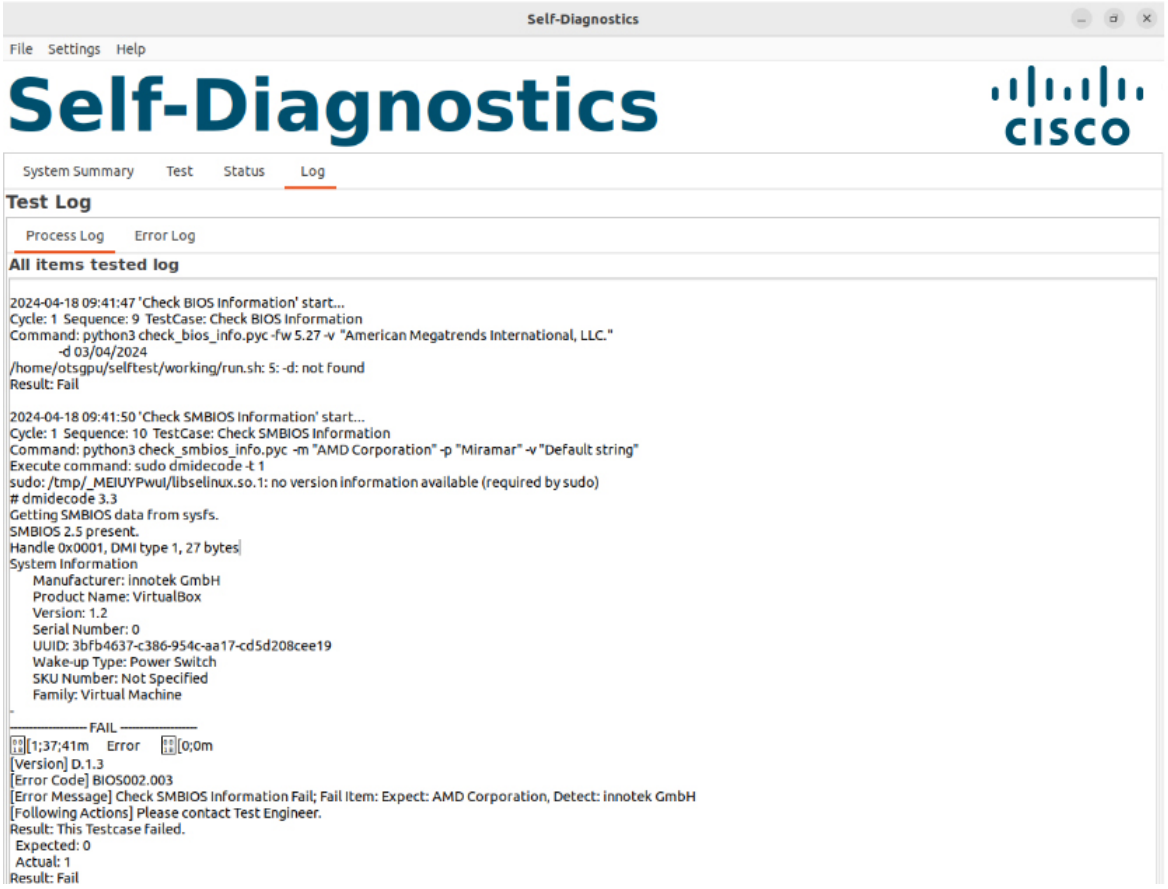
Log - Process Log



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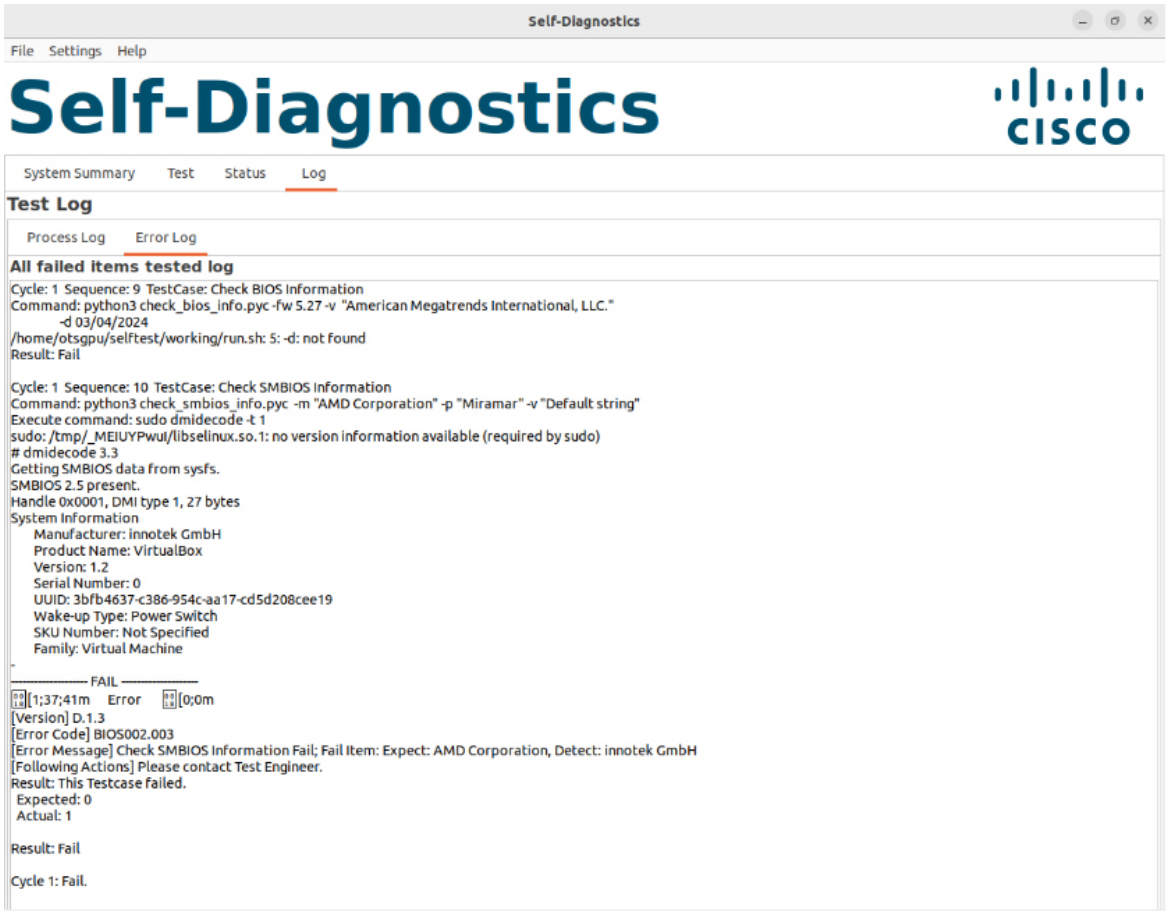
Log - Error Log



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