

Sun SPARC(R) Enterprise M3000/M4000/M5000/M8000/M9000 (OPL) Servers: XSCF Displays Memory Error Detected During Boot (Doc ID 1620578.1)

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APPLIES TO:

Sun SPARC Enterprise M8000 Server - Version All Versions to All Versions [Release All Releases]
Sun SPARC Enterprise M9000-32 Server - Version All Versions to All Versions [Release All Releases]
Sun SPARC Enterprise M9000-64 Server - Version All Versions to All Versions [Release All Releases]
Sun SPARC Enterprise M5000 Server - Version All Versions to All Versions [Release All Releases]
Sun SPARC Enterprise M4000 Server - Version All Versions and later
Information in this document applies to any platform.

SYMPTOMS

SPARC MX000 XSCF Cannot Boot

During the boot of the eXtended System Control Facility (XSCF), the following errors can be seen or similar:

```
memory error detect 00000004, address 00000278 data 55555555 -> 5555ff55
capture_data hi aaaafffe lo deadbeef ecc 1b1b
capture_attributes 01113001 address 00000278

memory error detect 00000004, address 0000027c data aaaaaaaaaa -> aaaaaaaaaa
capture_data hi 5555fffd lo deadbeef ecc 1b1b
capture_attributes 01113001 address 0000027c

memory error detect 80000004, address 00000280 data aaaaaaaaaa -> aaaaffff
capture_data hi deadffff lo deadbeef ecc eeee
capture_attributes 01113001 address 00000280

memory error detect 00000004, address 00000280 data 55555555 -> 5555ff55
capture_data hi aaaafffe lo deadbeef ecc 1b1b
capture_attributes 01113001 address 00000280

memory error detect 00000004, address 00000288 data aaaaaaaaaa -> aaaaffaa
capture_data hi deadffff lo deadbeef ecc eeee
capture_attributes 01113001 address 00000288

memory error detect 80000008, address 00000288 data 55555555 -> aaaaffee
capture_data hi aaaaffee lo deadbeef ecc 1b1b
capture_attributes 01113001 address 00000288

memory error detect 80000008, address 0000028c data aaaaaaaaaa -> deadbeef
capture_data hi aaaaffee lo deadbeef ecc 1b1b
capture_attributes 01113001 address 00000288
```

CAUSE

The XSCF board is experiencing memory errors during boot power on diagnostics. This prevents the XSCF from starting.

SOLUTION

Please contact your Oracle Support Center and log a service request in order to get assistance to replace the faulty XSCF board.

For the M3000, the MBU needs to be replaced. Server operation is not possible until the MBU containing the XSCF is replaced.
For the M4000/M5000, the XSCF needs to be replaced. Server operation is not possible until the XSCF is replaced.
For the M8000/M9000, the indicted XSCF needs to be replaced. Server operation may continue on the redundant XSCF. XSCF redundancy is unavailable until the faulty XSCF is replaced.

REFERENCES

[NOTE:1395544.1](#) - Sun SPARC Enterprise Mx000 Servers: How to Gather Information When the XSCF is Inaccessible via the Network

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