



CXone Mpower EXPERT

节点无法启动、并显示BIOS MRC已映射出DIMM

https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Node_fails_to_boot_stating_BIOS_MR...

Updated: Wed, 22 Apr 2026 07:28:47 GMT

适用场景

- AFF A800
- FAS 9500
- ONTAP 9
- 基板管理控制器(BMC)

问题描述

- 节点关闭、无法启动、并显示以下事件：

```
Running full memory initialization.
```

```
DIMM: XX mapped out. BIOS MRC mapped out DIMM. Major Code 0xED Minor Code 0x09
```

```
ERROR: [55] Memory not installed
```

```
ERROR: DXE IPL not found
```

- BIOS 升级失败，系统正在使用 BIOS 备份映像启动，除了“BIOS MRC mapped out DIMM”

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(例如：升级前BIOS版本为18.7，升级后应该是18.13，但启动时却是18.5。)

```
===== Log #1
Files /cfc card/x86_64/freebsd/imagel/VERSION and /var/VERSION differ
ERROR: /var cannot be downgraded.
Waiting for PIDS: 2057.
Terminated
.
Setting default boot image to imagel...
done.
Uptime: 617dlh21m12s
===== Log #1 end time
===== Log #2 start time
BIOS Version: 18.7
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Initializing System Memory ...
DIMM:7 mapped out. BIOS MRC mapped out DIMM. Major / Minor Error Code: 0x30 /
0x2D
Complete channel mapped out.
System Reset Requested.
BIOS Version: 18.7
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Initializing System Memory ...
DIMM:12 mapped out. BIOS MRC mapped out DIMM. Major / Minor Error Code: 0x31 /
0x36
Complete channel mapped out.
System Reset Requested.
BIOS Version: 18.7
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Initializing System Memory ...
HALT! Fatal Error: All memory mapped out.
Error Action: HALT System.
BIOS Version: 18.5
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Initializing System Memory ...
MEMORY WARNING: Major Code 0x30 Minor Code 0x2D Dimm 7
MEMORY WARNING: Major Code 0x30 Minor Code 0x2D Dimm 7
MEMORY WARNING: Major Code 0x30 Minor Code 0x2E Dimm 7
HALT! Memory Initialize Fatal Error.
Error Action: HALT System.
```

BIOS Version: 18.5

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Initializing System Memory ...

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*** Booted from Backup Firmware Image ***

ACPI RSDP Found at 0x6f7fe014

Abort AUTOBOOT

LOADER-B>

- 如果在ONTAP升级期间遇到此问题描述、则ANDU可能会暂停、因为节点无法启动。