



CFBIOS-54 : "BIOS POST 故障"与 IPMI 故障在将 BMC 更新到 11.9 或更高版本后的电源循环期间发生

<https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-Issues/CFBIOS-54>

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问题描述

- 在某些运行较旧 BIOS 版本的存储系统上，其中基板管理控制器 (BMC) 最近升级到 11.9 或更高版本，该节点无法启动，并出现 "BIOS POST Failure" 错误，该错误与与 BMC 的 IPMI 通信失败有关。
- BMC 随后被引导到其备份固件映像。
- 以下控制台消息指示此问题：

```
BIOS Version: 11.4
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Initializing System Memory ...
Loading Device Drivers ...
Waiting for SP ...
SP failure. Resetting SP from primary FW. This can take a few minutes
Waiting for SP ...
SP failure. Resetting SP from backup FW. This can take a few minutes
Waiting for SP ...
Failed to recover SP
IPMI:Get controller FRU inventory:failed <<<<<<
```

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```
Configuring Devices ...
IPMI PCI Slot Control failed. <<<<<<
...
BIOS POST Failure(s) detected: SP IPMI failure. Abort AUTOBOOT <<<<<<
LOADER-B>
```

- BMC 系统事件日志 (SEL) 中的以下消息指示此问题：

```
Record 314: ... [BMC.notice]: Running secondary version 11.2 <<<<<<
Record 315: ... [SysFW.notice]: SP did not respond to sync command for 332 seconds.
Record 316: ... [SysFW.notice]: Failed to recover SP
Record 317: ... [SysFW.critical]: IPMI:Get controller FRU inventory:failed <<<<<<
...
Record 320: ... [IPMI.notice]: 001a | 00 | EVT: 6fc206ff | System_FW_Status |
Assertion Event, "BIOS has reset SP"
Record 321: ... [SysFW.critical]: IPMI PCI Slot Control failed. <<<<<<
```