



系统无法启动-无法恢复SP

 $https://kb-cn.netapp.com/on-prem/ontap/OHW/OHW-KBs/System_fails_to_boot_with_Failed_to_recove...$

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适用场景

- AFF A220 / FAS27x0 / AFF C190
- AFF A200 / FAS26x0
- FAS80x0
- FAS9500
- AFF A300/FAS8200
- AFF A700/FAS9000
- AFF AFF AFF A20
- AFF C60/ AFF C30

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问题描述

• 存储系统会重新启动(例如、在ONTAP升级期间)、但 无法启动、并暂停到Loader。

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示例:
   . . .
   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 PCI Slot Control failed.
   IPMI PCI Slot Configuration failed.
   Configuring Devices ...
   IPMI:Get controller FRU inventory:failed
   IPMI:Get midplane FRU 0 inventory:failed
   IPMI: Get NVRAM FRU inventory: failed
   BIOS POST Failure(s) detected: SP IPMI failure. Abort AUTOBOOT
   LOADER-A>
   BIOS POST Failure(s) detected: Failed to get FRU data. Abort AUTOBOOT
• 服务处理器(SP)事件 日志会报告类似的故障消息。
   示例:
   Record 1287: Tue Apr 14 14:34:05.000000 2020 [SysFW.notice]: IPMI:Read
   midplane FRU common header:timeout - retrying
   Record 1288: Tue Apr 14 14:34:10.000000 2020 [SysFW.notice]: IPMI:Read
   midplane FRU common header:timeout
   Record 1289: Tue Apr 14 14:34:13.000000 2020 [SysFW.notice]: Failed to
   recover SP
   Record 1290: Tue Apr 14 14:34:13.000000 2020 [SysFW.critical]: IPMI:Read
   midplane FRU common header:failed
   Record 1291: Sun Jan 01 00:02:58.340000 2017 [Trap Event.critical]:
   hwassist post error (26)
   Record 1292: Tue Apr 14 14:34:14.000000 2020 [SysFW.critical]: IPMI PCI
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Slot Control failed.

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Record 1293: Sun Jan 01 00:02:59.310000 2017 [Trap Event.critical]:
hwassist post_error (26)
Record 1294: Tue Apr 14 14:34:18.000000 2020 [CFE.notice]: Loader time
adjust: Set BMC time. Old time: Sun Jan 1 00:03:03 2017. New time: Tue
Apr 14 14:34:18 2020.
Record 1295: Tue Apr 14 14:34:18.000000 2020 [Boot Loader.notice]:
Received time sync
Record 1296: Tue Apr 14 14:34:20.000000 2020 [Boot Loader.critical]: Abort
Autoboot due to BIOS POST failure.
Record 1297: Tue Apr 14 14:34:20.280000 2020 [Trap Event.critical]:
hwassist post_error (26)
Record 1298: Tue Apr 14 14:34:24.020000 2020 [IPMI.notice]: 001c | 02 |
EVT: 6fc220ff | System_FW_Status | Assertion Event, "Bootloader is running"
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- 重新安装控制器后、问题描述仍然存在、并且没有任何缆线连接到eOM/eOM SP
 - 。 (要排除因"SP IPMI故障"而导致节点关闭和启动失败中所述的SP流量过多问题)