



由于 A700 上的 NVRAM 电池电量过低，系统关闭

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

Updated: 周三, 09 7月 2025 18:49:00 GMT

适用场景

AF-A700
AFF-A90

问题描述

- 由于 NVRAM 电池电量低，系统关闭

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Exiting due to timeout
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login: Jan 30 17:00:00 [ONAS01-01:monitor.nvramLowBattery:EMERGENCY]:  
NVRAM battery is dangerously low.
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Waiting for PIDS: /usr/sbin/rpcbind 1456.

Terminated

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Uptime: 502d3h30m46s

System halting...

- SP 事件日志：

Record 1207: Tue Jan 31 06:56:44.178328 2023 [IPMI.notice]: 7d00 | 02 | EVT: 0301ffff | Attn_Sensor1 | Assertion Event, "State Asserted"

Record 1208: Tue Jan 31 06:56:54.098326 2023 [IPMI.notice]: 7e00 | 02 | EVT: 0300ffff | Attn_Sensor1 | Assertion Event, "State Deasserted"

Record 1209: Tue Jan 31 08:00:30.646437 2023 [IPMI.notice]: 7f00 | 02 | EVT: 6f03ffff | Sensor 255 | Assertion Event, "Storage OS graceful shutdown"

Record 1210: Tue Jan 31 08:00:29.000000 2023 [Controller.notice]: Appliance user command halt.

Record 1211: Tue Jan 31 08:00:32.041292 2023 [SP.critical]: Filer Reboots

Record 1212: Tue Jan 31 08:00:32.202082 2023 [IPMI.notice]: 8000 | c0 | OEM: f9ff7020ff2b | ManufId: 150300 | Undefined

Record 1213: Tue Jan 31 08:00:32.398085 2023 [IPMI.notice]: 8100 | c0 | OEM: f9ff7020ff2c | ManufId: 150300 | Undefined

Record 1214: Tue Jan 31 08:00:32.538084 2023 [IPMI.notice]: 8200 | c0 | OEM: f9ff7020ff2d | ManufId: 150300 | Undefined

Record 1215: Tue Jan 31 08:00:33.026078 2023 [IPMI.notice]: 8300 | c0 | OEM: f9ff7020ff2e | ManufId: 150300 | Undefined

Record 1216: Tue Jan 31 08:00:43.122049 2023 [IPMI.notice]: 8400 | 02 | EVT: 6f02ffff | PCM_Status | Assertion Event, "Fault"

Record 1217: Tue Jan 31 08:00:54.158342 2023 [IPMI.notice]: 8500 | 02 | EVT: 6fc200ff | System_FW_Status | Assertion Event, "Unspecified"

Record 1218: Tue Jan 31 08:01:05.206460 2023 [IPMI.notice]: 8600 | 02 | EVT: 6fc21fff | System_FW_Status | Assertion Event, "System Firmware restarting"

Record 1219: Tue Jan 31 08:01:08.315992 2023 [SP.notice]: PCIE Config Info received from BIOS

Record 1220: Tue Jan 31 08:01:08.331557 2023 [SP.notice]: ScratchPad Config Info received from BIOS

Record 1221: Tue Jan 31 08:01:14.000000 2023 [SysFW.notice]: BIOS Version: 10.11

Record 1222: Tue Jan 31 08:01:16.070212 2023 [IPMI.notice]: (PUA) Enable power to all PCIe slots

Record 1223: Tue Jan 31 08:01:16.075858 2023 [IPMI.notice]: (PUA) Enable power to all PCIe on board device

Record 1224: Tue Jan 31 08:01:16.100569 2023 [IPMI.notice]: (PUA) P_stat :slots=0x0,onboard_devs=0x0,final

Record 1225: Tue Jan 31 08:01:16.100631 2023 [IPMI.notice]: (PUA) Power status of all PCIe slots unchanged

Record 1226: Tue Jan 31 08:01:16.246312 2023 [IPMI.notice]: 8700 | 02 | EVT: 6fc201ff | System_FW_Status | Assertion Event, "Memory initialization in progress"

Record 1227: Tue Jan 31 08:01:26.286356 2023 [IPMI.notice]: 8800 | 02 | EVT: 6fc203ff | System_FW_Status | Assertion Event, "Memory Initialization done"

Record 1228: Tue Jan 31 08:01:47.370309 2023 [IPMI.notice]: 8900 | 02 | EVT: 6fc220ff | System_FW_Status | Assertion Event, "Bootloader is running"

Record 1229: Tue Jan 31 08:05:55.626094 2023 [IPMI.notice]: 8a00 | c0 | OEM: f9ff7020ff5d | ManufId: 150300 | Undefined

Record 1230: Tue Jan 31 08:11:46.202326 2023 [IPMI.notice]: 8b00 | 02 | EVT: 01520202 | Bat_Dstg_Cycles | Assertion Event, "Lower Critical going low " | Reading: 2.000 | Threshold: 2.000

Record 1231: Tue Jan 31 08:11:47.662324 2023 [IPMI.notice]: 8c00 | 02 | EVT: 0301ffff | Attn_Sensor1 | Assertion Event, "State Asserted"

Record 1232: Tue Jan 31 08:12:02.850588 2023 [SP.critical]: Heartbeat stopped

Record 1233: Tue Jan 31 08:16:46.211674 2023 [IPMI.emergency]: triggered OS halt: Battery remain capacity cri

Record 1234: Tue Jan 31 08:16:52.920974 2023 [IPMI.notice]: 8d00 | 02 | EVT: 6f02ffff | Bat_Status | Assertion Event, "Fault"

Record 1235: Tue Jan 31 08:17:03.059016 2023 [IPMI.notice]: 8e00 | 02 | EVT: ef02ffff | Bat_Status | Deassertion Event, "Fault"

Record 1236: Tue Jan 31 08:43:37.719584 2023 [IPMI.emergency]: triggered OS halt: Battery remain capacity cri

Record 1237: Tue Jan 31 08:43:44.490337 2023 [IPMI.notice]: 8f00 | 02 | EVT: 6f02ffff | Bat_Status | Assertion Event, "Fault"

Record 1238: Tue Jan 31 08:43:54.470896 2023 [IPMI.notice]: 9000 | 02 | EVT: ef02ffff | Bat_Status | Deassertion Event, "Fault"

- 系统无法正常启动，并显示错误信息。callhome battery warning(BATTERY (capacity low))