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## 机箱 PSU 发生故障会导致系统关闭

[https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Failed\\_Chassis\\_PSU\\_results\\_in\\_syste...](https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Failed_Chassis_PSU_results_in_syste...)

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### 适用于

- FAS8020

### 问题

- 接收有关机箱 PSU 发生故障的以下警报

CHASSIS POWER SUPPLY NEED TO BE REPLACED: PS 1

此时将显示 EMS 日志

```
[Cluster1: power_low_monitor: monitor.chassisPower.degraded:alert]: Chassis power is degraded: Power Supply Status Critical: PSU1.  
[Cluster1: power_low_monitor: callhome.chassis.power:error]: Call home for CHASSIS POWER DEGRADED: Power Supply Status Critical: PSU1.  
[Cluster1: env_mgr: monitor.chassisPowerSupply.degraded:notice]: Chassis power supply 1 is degraded: PSU1 Power Output has failed
```

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```
[Cluster1: env_mgr: monitor.chassisPowerSupply.degraded:notice]: Chassis power supply 1 is degraded: PSU1 has failed
[Cluster1: env_mgr: monitor.chassisPowerSupply.degraded:notice]: Chassis power supply 1 is degraded: PSU1 is over voltage
```

- 由于 NMI / ， HA 对中的两个节点均关闭 watchdog 重置

#### 事件日志

```
[Agent.notice]: 889.353: 128 : PCIe Slot 1 Power Good de-asserted
[Agent.notice]: 889.384: 129 : PCIe Slot 2 Power Good de-asserted
[Agent.notice]: 889.396: 59 : NVRAM 12V Power Good de-asserted
[Agent.notice]: 889.411: 14 : Attention LED (at Midplane) asserted
[Agent.notice]: 889.427: 29 : Non-maskable Interrupt from PCH to CPU asserted
[Agent.notice]: 889.427: 11 : Controller Attention LED asserted
[Agent.notice]: 893.579: 5 : DC Power OK PSU1 de-asserted
[Agent.notice]: 893.580: 9 : Power Supply Fault LED PSU1 asserted
[Agent.notice]: 041.083: 30 : Non-maskable Interrupt to PCH asserted
[Agent.notice]: 133.088: 30 : Non-maskable Interrupt to PCH de-asserted
[IPMI Event.critical]: NMI
[IPMI Event.critical]: L2 watchdog timeout hard reset
[Trap Event.critical]: hwassist l2_watchdog_reset (29)
[IPMI.notice]: 4203 | 02 | EVT: 0150d4ff | Bat_Curr | Assertion Event, "Lower Non-critical going low " | Reading: -1.760 | Threshold: -0.040
[Agent.notice]: 749.130: 145 : SP XDP Interface Enable asserted
[IPMI.notice]: 4303 | 02 | EVT: 6fc804ff | System_Watchdog | Assertion Event, "Timer interrupt"
[IPMI.notice]: 4403 | 02 | EVT: 6fc104ff | System_Watchdog | Assertion Event, "Hard reset"
[Agent.notice]: 151.570: 52 : NVRAM Destage Request de-asserted
[Agent.notice]: 151.570: 59 : NVRAM 12V Power Good asserted
[Agent.notice]: 450.922: 0 : CPU Power Good from PCH via voltage translation asserted
[Agent.notice]: 451.651: 2 : CPU domain power good (from seq. CPLD) asserted
[Agent.notice]: 513.118: 49 : PCH Platform Reset de-asserted
[SP.critical]: Filer Reboots
```