# mindtouch™

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# 在电池记忆周期中、EMS报告"The NVMEM Battery is Too Cold (-17 C)"(电池电量过低(-17 C))消息

## 适用场景

- FAS2620
- FAS2650
- FAS8200
- ONTAP 9
- 服务处理器 (SP)

## 问题描述

- SP events all `events all`报告电池温度错误和电池组无效错误。

```
[IPMI.notice]: 3301 | 02 | EVT: 0301ffff | Bat_Lrn_Active | Assertion
Event, "State Asserted"
[IPMI.notice]: 3401 | 02 | EVT: 0150ef05 | Bat_Temp | Assertion Event,
"Lower Non-critical going low"
[IPMI.notice]: 3501 | 02 | EVT: 0152ef00 | Bat_Temp | Assertion Event,
"Lower Critical going low"
[IPMI.notice]: 3601 | 02 | EVT: 0301ffff | Bat_Pack_Invalid | Assertion
Event, "State Asserted"
[IPMI.notice]: 3701 | 02 | EVT: 0301ffff | Attn_Sensor1 | Assertion Event,
"State Asserted"
[IPMI.notice]: 3801 | 02 | EVT: 0300ffff | Attn_Sensor1 | Assertion Event,
"State Deasserted"
[IPMI.notice]: 3901 | 02 | EVT: 81522e00 | Bat_Temp | Deassertion Event,
"Lower Critical going low"
[IPMI.notice]: 3a01 | 02 | EVT: 81502e05 | Bat_Temp | Deassertion Event,
"Lower Non-critical going low"
[IPMI.notice]: 3b01 | 02 | EVT: 0300ffff | Bat_Pack_Invalid | Assertion
Event, "State Deasserted"
[IPMI.notice]: 3c01 | 02 | EVT: 0301ffff | Attn_Sensor1 | Assertion Event,
"State Asserted"
[IPMI.notice]: 3d01 | 02 | EVT: 0150ef05 | Bat_Temp | Assertion Event,
"Lower Non-critical going low"
[IPMI.notice]: 3e01 | 02 | EVT: 0152ef00 | Bat_Temp | Assertion Event,
"Lower Critical going low"
[IPMI.notice]: 3f01 | 02 | EVT: 0301ffff | Bat_Pack_Invalid | Assertion
Event, "State Asserted"
[IPMI.notice]: 4001 | 02 | EVT: 0300ffff | Attn_Sensor1 | Assertion Event,
"State Deasserted"
```

- `EMS log` 从两个HA节点报告传感器15温度错误。

```
nvmem.battery.tempLow:alert]: The NVMEM battery is too cold (-17 C). To
prevent data loss, the system will shut down in 24 hours.

nvmem.battery.temp.normal:info]: The NVMEM battery temperature is normal.
```

```
nvmem.battery.packValid:notice]: A valid NVMEM battery pack is present.

ses.status.temperatureWarning:alert]: DS212-12 (S/N SHJSGXXXXXXXXXX) shelf
0 on channel 0a temperature warning for Temperature sensor 15: not
installed or failed. Current temperature: 46 C (114 F). `O\252\207r.

ses.status.temperatureInfo:info]: DS212-12 (S/N SHJSGXXXXXXXXXX) shelf 0
on channel 0a temperature information for Temperature sensor 15: normal
status.


ses.status.temperatureWarning:alert]: DS212-12 (S/N SHJSGXXXXXXXXXX) shelf
0 on channel 0b temperature warning for Temperature sensor 15: not
installed or failed. Current temperature: 46 C (114 F). `O\252\207r.

ses.status.temperatureInfo:info]: DS212-12 (S/N SHJSGXXXXXXXXXX) shelf 0
on channel 0b temperature information for Temperature sensor 15: normal
status.
```

- 错误已在大约30秒内恢复。
- 在此错误期间，在SP-LATEST-IPMI中发生了电池学习周期。

```
LrnCycleStartDate : 22-03-17-12:00

LrnCycleStartFCC  : 0x0546

LrnCycleEndFCC    : 0x054e

LrnCycleEndDate   : 22-03-17-22:59
```