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## NVDIMMBadithAlert Reason: VPP Lost，在配备NVDIMM的系统上

[https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/NVDIMMBadHealthAlert\\_Reason\\_\\_VP...](https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/NVDIMMBadHealthAlert_Reason__VP...)

Updated: Fri, 24 Apr 2026 10:30:06 GMT

### 适用场景

- ONTAP 9
- AFF A800、AFF A400、AFF A320
- FAS8700、FAS9300
- NVDIMM
  - 运行状况说明：VPP丢失

### 问题描述

#### EMS日志：

```
Tue Apr 11 13:53:17 -0400 [NetApp1: nphmd: hm.alert.raised:alert]: Alert Id =  
NVDIMMBadHealthAlert , Alerting Resource = /dev/nvdim0:NetApp1 raised by monitor  
controller
```

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AutoSupport 日志、我们会看到以下内容：

- 平台传感器.XML

```
-----  
Sensor Name      Sensor Type      Sensor State  
-----  
NVDIMM0 VPP      discrete        fault  
NVDIMM0 Health   discrete        fault
```

- NVDIMM 状态

```
Total NVDIMM on this platform is 1  
-----  
DIMM(/dev/nvdim0) Page:0  
-----  
0x0000: 00 0a 0a 01 01 00 21 3c 25 3c 25 34 34 00 00 00  
0x0010: 1f 2e 00 00 03 15 03 0b 68 81 02 00 68 81 1e 80  
0x0020: 05 80 78 80 05 00 00 40 1f ac 0d d0 07 a0 0f 90  
0x0030: 33 08 08 dc 05 10 80 00 00 00 70 03 00 00 00 00  
0x0040: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
0x0050: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
-----  
-----  
DIMM(/dev/nvdim0):  
-----  
Controller Ready: Yes  
Controller Busy: No  
Energy Policy managed by: HOST  
Save_N Low During CSAVE: Yes  
Save_N Enabled(ARMED): Yes  
Data on the Flash: NotValid  
  
Module is Health: No  
Module Status(0x0004): VPP Lost  
Flash Lifetime: 96%  
Flash Lifetime Status: Normal
```

运行状况警报：

```
::>system health alert show
```

节点	Node01
监控	controller
Alert ID	NVDIMMBad运行 状况警报
警报资源	/dev/nvdim0 : NetApp 1
子系统	主板
指示时间	星期二四月11 13 : 53 : 17 2023
感知严重性	重大
可能是发生原因	硬件降级
问题描述	节点"NetApp 1"上的NVDIMM "NVDIMM N 0 (DIMM - 11)"指示降级状态。
更正操作	请联系技术支持以获得有关更换NVDIMM模块的帮助。
可能的影响	NVDIMM降级可能会导致数据丢失。
确认	false
禁止	false
策略	NVDIMMBadithPolicy
追加信息	<p>节点 : NetApp 1</p> <p>唯一名称 : /dev/nvdim0 : NetApp 1</p> <p>设备名称和DIMM插槽 : /dev/nvdim0</p> <p>运行状况 : 降级运行状况</p> <p><b>说明 : VPP丢失</b></p> <p>生命周期状态 : 正常生命</p> <p>周期状态说明 : 无</p>

- 重新启动节点不会修复问题描述。