



由于服务器端SFP出现故障、主机间歇性重新启动

https://kb-cn-stage.netapp.com/on-prem/ontap/da/SAN/SAN-KBs/Intermittent_host_reboot_due_to_faul...

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适用场景

- ONTAP 9.
- RHEL
- FC
- Cisco

问题描述

- RHEL主机间歇性重新启动、并出现以下事件和错误：

```
Nov 17 15:41:39 host multipathd: asm!.asm_ctl_vmb: add path (uevent)
Nov 17 15:41:39 host multipathd: asm/.asm_ctl_vmb: failed to get path uid
Nov 17 15:41:39 host multipathd: uevent trigger error
Nov 17 15:41:39 host multipathd: asm!.asm_ctl_vbg5: add path (uevent)
Nov 17 15:41:39 host multipathd: asm/.asm_ctl_vbg5: failed to get path uid
```

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```
Nov 17 15:41:39 host multipathd: uevent trigger error
Nov 17 15:10:01 host systemd: Removed slice User Slice of root.
Nov 17 15:10:37 host systemd-udevd: worker [113970] /devices/virtual/block/dm-8 is
taking a long time
Nov 17 15:10:37 host systemd-udevd: worker [113971] /devices/virtual/block/dm-61 is
taking a long time
Nov 17 15:10:37 host systemd-udevd: worker [113972] /devices/virtual/block/dm-6 is
taking a long time
```

- 主机重新启动之前、传输相关错误会记录在下 var/log/messages:

```
Nov 17 15:09:31 host kernel: sd 1:0:4:48: [sdlu] tag#1 CDB: Test Unit Ready 00 00 00
00 00 00
Nov 17 15:09:31 host kernel: sd 1:0:4:49: [sdlx] tag#22 FAILED Result:
hostbyte=DID_TRANSPORT_DISRUPTED driverbyte=DRIVER_OK cmd_age=0s
Nov 17 15:09:31 host kernel: sd 1:0:4:49: [sdlx] tag#22 CDB: Test Unit Ready 00 00
00 00 00 00
Nov 17 15:09:36 host kernel: sd 1:0:2:7: rejecting I/O to offline device
Nov 17 15:09:36 host kernel: sd 1:0:2:7: [sdda] killing request
Nov 17 15:09:36 host kernel: sd 1:0:2:31: [sdeg] killing request
Nov 17 15:09:36 host kernel: sd 1:0:2:31: [sdeg] killing request
Nov 17 15:09:36 host kernel: sd 1:0:2:7: [sdda] FAILED Result:
hostbyte=DID_NO_CONNECT driverbyte=DRIVER_OK cmd_age=5s
Nov 17 15:09:36 host kernel: sd 1:0:2:7: [sdda] CDB: Write(16) 8a 00 00 00 00 00 8d
0f e3 87 00 00 00 20 00 00
Nov 17 15:09:36 host kernel: blk_update_request: 5 callbacks suppressed
Nov 17 15:09:36 host kernel: blk_update_request: I/O error, dev sdda, sector
2366628743
Nov 17 15:09:36 host kernel: sd 1:0:2:31: [sdeg] FAILED Result:
hostbyte=DID_NO_CONNECT driverbyte=DRIVER_OK cmd_age=5s
Nov 17 15:09:36 host kernel: sd 1:0:2:31: [sdeg] CDB: Write(16) 8a 00 00 00 00 00 01
f3 81 74 00 00 00 16 00 00
```

- 这些错误会影响所有可用的多路径路径、使存储LUN的路径保持"剩余0个路径"、进而导致目标LUN的IO完全失败:

```
Nov 17 15:09:36 host multipathd: sdah: mark as failed
Nov 17 15:09:36 host multipathd: xxx: remaining active paths: 3
Nov 17 15:09:36 host multipathd: sdcj: mark as failed
Nov 17 15:09:36 host multipathd: xxx: remaining active paths: 2
Nov 17 15:09:36 host multipathd: sdot: mark as failed
Nov 17 15:09:36 host multipathd: xxx: remaining active paths: 1
```

```
Nov 17 15:09:36 host multipathd: sdux: mark as failed
Nov 17 15:09:36 host multipathd: xxx: remaining active paths: 0
Nov 17 15:09:36 host multipathd: sdn: mark as failed
```

- 存储端未发现性能问题
- 在存储中的问题描述时间期间或之前，不会记录此类错误事件 [EMS](#)。
- 在Cisco SAN交换机上、主机连接的接口在意外事件期间出现信号丢失。
- 查看启用日志后、我们注意到主机连接的端口上存在增量Rx计数器、这表明 需要进一步检查连接的终端设备。
- 在交换机端、[flogi database](#) 表示主机连接的接口似乎未连接到交换机、这表示从主机到交换机的路径在物理层具有问题描述。
- 执行物理连接检查、包括电缆测试、配线板测试和服务器端SFP。