



CONAP-301093：在e0M的高利用率期间显示SwitchUnachable_Alert、SwitchSNMPCommunication警报、SwitchInfoUpdateFailure_Alert

<https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-Issues/CONTAP-301093>

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问题描述

- ONTAP以太网交换机运行状况监控器(CSHM)针对以下各项发出部分或全部警报：SwitchUnachable_Alert、SwitchSNMPCommunication_Alert和/或SwitchInfoUpdateFailure_Alert
- 如果为CSHM启用了SNMPv3监控、则两个交换机都会显示messages.log中的以下"FORed"消息"FORed"。示例：

```
0000002e.12eaff0e 098ae1de Thu Feb 13 2025 20:20:34 +01:00
[kern_network_shelfd:info:1536] 0x80840f900: 0: ERR: dns_sd_lite::networking:
get_query_sockets:src/networking.cc:871 Could not create query sockets
...
00000032.00761fb6 0126e281 Tue Sep 03 2024 22:31:26 +02:00 [kern_cshm:info:54360]
[Sep 3 22:31:26]: 0x80b10fe00: 0: ERR: CSHM::helpers: snmpwalk:src/tables/
cshm_helpers.cc:237 'switch1': Failed to fetch SNMPv3 engine information from
sm_snmpEngine: SNMP timeout
...
[kern_cshm:info:29776] [Feb 13 20:20:34]: 0x80b11fb00: 0: ERR: CSHM::snmp:
buildCommand:src/tables/cshm_helpers.cc:339 'switch1': Failed to add SNMPv3 engine
```

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information from sm_snmpEngine

```
...
0000002e.12eaff12 098ae1de Thu Feb 13 2025 20:20:34 +01:00 [kern_cshm:info:29776]
[Feb 13 20:20:34]: 0x80b11fb00: 0: ERR: CSHM::snmp: buildCommand:src/tables/
cshm_helpers.cc:217 'switch1': Failed to build SNMPv3 command
```

- 节点管理e0M端口的利用率高达100%、1 Gb端口的吞吐量超过100 MB/秒。
- 从e0M ifstat输出中、我们可以看到接收和传输的大量"意外"流量。示例：

```
-- interface e0M (102 days, 15 hours, 25 minutes, 42 seconds) --
RECEIVE
Total frames:      275m | Frames/second:      31 | Total bytes:      74803m
Bytes/second:      8435 | Total errors:         0 | Errors/minute:    0
...
TRANSMIT
Total frames:      3726m | Frames/second:      420 | Total bytes:      559g
Bytes/second:     63080 | Total errors:         0 | Errors/minute:    0
...

-- interface e0M (1 day, 10 hours, 9 minutes, 55 seconds) --
RECEIVE
Total frames:      7903k | Frames/second:       64 | Total bytes:      2003m
Bytes/second:     16290 | Total errors:         0 | Errors/minute:    0
...
TRANSMIT
Total frames:     92516k | Frames/second:      752 | Total bytes:     13425m
Bytes/second:     109k | Total errors:         0 | Errors/minute:    0
...

-- interface e0M (8 days, 10 hours, 0 minutes, 19 seconds) --
RECEIVE
Total frames:     44625k | Frames/second:       61 | Total bytes:     11193m
Bytes/second:     15392 | Total errors:         0 | Errors/minute:    0
...
TRANSMIT
Total frames:      547m | Frames/second:      753 | Total bytes:     79676m
Bytes/second:     109k | Total errors:         0 | Errors/minute:    0
...

-- interface e0M (57 days, 9 hours, 53 minutes, 2 seconds) --
RECEIVE
Total frames:      405m | Frames/second:       82 | Total bytes:      176g
Bytes/second:     35513 | Total errors:         0 | Errors/minute:    0
...
TRANSMIT
Total frames:     3778m | Frames/second:      762 | Total bytes:     609g
Bytes/second:     122k | Total errors:         0 | Errors/minute:    0
...

```

- 度量指标最低的网络路由与管理端口配置在同一子网中。