



思科交换机间歇性发出 SwitchSNMPCommunication_Alert

https://kb-cn-stage.netapp.com/on-prem/ontap/Ontap_OS/OS-KBs/Intermittent__SwitchSNMPCommun...

Updated: Wed, 22 Apr 2026 04:08:28 GMT

适用场景

- 思科C9336C
- ONTAP 9.14.1P11

问题描述

- 下图显示“Switch-Health degraded”

```
::> system health subsystem show Subsystem Health ----- SAS-connect ok Environment
ok Memory ok Service-Processor ok Switch-Health degraded CIFS-NDO ok Motherboard ok IO ok MetroCluster
ok MetroCluster_Node ok FHM-Switch ok FHM-Bridge ok SAS-connect_Cluster ok 13 entries were displayed.
::> system health alert show Node: sanpc254 Alert ID: SwitchSNMPCommunication_Alert Resource: sancl201-
cs01(XXXXXXXX) Severity: Major Indication Time: Tue Apr 22 02:58:38 2025 Suppress: false Acknowledge:
false Probable Cause: SNMP communication from the node to the ethernet switch has failed repeatedly. Invalid
SNMP settings are configured with ONTAP Switch Health Monitoring or on the Ethernet switch. Possible Effect:
Ethernet switch communication problems and accessibility issues. Corrective Actions: 1) Check the SNMPv2c
community or SNMPv3 username on the Ethernet switch to verify that the expected community string or
username is configured. To view the expected community string or username, run the "system switch ethernet
```

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show -snmp-config" command. 2) (SNMPv3) Verify that the SNMPv3 credentials are present within ONTAP. To view the established SNMP logins, run the "security login show -application snmp" command. If a custom engine-id was provided for the SNMPv3 user, ensure it is same as that of the remote switch.

- 间歇性地看到多个 **SwitchSNMPCommunication_Alert**，然后最终被清除。

```
[?] Tue Apr 22 12:30:13 +1000 [udcdsanpc254: cshmd: hm.alert.raised:alert]: Alert Id =  
SwitchSNMPCommunication_Alert , Alerting Resource = sancl201-cs01(XXXXXXXXXXXX) raised by monitor  
ethernet-switch [?] Tue Apr 22 12:30:13 +1000 [udcdsanpc254: cshmd: hm.alert.raised:alert]: Alert Id =  
SwitchSNMPCommunication_Alert , Alerting Resource = sancl201-cs02(XXXXXXXXXXXX) raised by monitor  
ethernet-switch [?] Tue Apr 22 13:25:25 +1000 [udcdsanpc254: cshmd: hm.alert.cleared:notice]: Alert Id =  
SwitchSNMPCommunication_Alert , Alerting Resource = sancl201-cs01(XXXXXXXXXXXX) cleared by monitor  
ethernet-switch [?] Tue Apr 22 13:25:25 +1000 [udcdsanpc254: cshmd: hm.alert.cleared:notice]: Alert Id =  
SwitchSNMPCommunication_Alert , Alerting Resource = sancl201-cs02(XXXXXXXXXXXX) cleared by monitor  
ethernet-switc
```

- 没有其他警报，只有 **SwitchSNMPCommunication_Alert**
- 从 **SNMPWalk** 获取响应没有问题
- 网络端口的利用率极低。