



## ONTAP 升级后，交换机运行状况显示“未知”

[https://kb-cn-stage.netapp.com/on-prem/ontap/Upgrade/Upgrade-KBs/Switch-Health\\_Status\\_Shows\\_%...](https://kb-cn-stage.netapp.com/on-prem/ontap/Upgrade/Upgrade-KBs/Switch-Health_Status_Shows_%...)

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### 适用场景

- ONTAP 9
- NVIDIA 交换机

### 问题描述

- 升级 ONTAP 后，交换机健康监控子系统报告“未知”状态并挂在启动发现状态  
日志输出示例：

```
::> system health subsystem show -subsystem switch-health -instance
Subsystem: Switch-Health
Health: unknown
InitializationState: start_discovery
Number of Outstanding Alerts: 0
Number of Suppressed Alerts: 0
```

```
Node: <Node-Name>
SubsystemRefreshInterval: 5m
```

- 然而，交换机可以通过 SNMP 成功监控

```
::> system switch ethernet show
Switch          Type          Address      Model
-----
NETAPP-SW1 (9X:XX:XX:XX:XX:XX) storage-network 10.xx.xx.xx MSN2100-CB2FC
  Serial Number: MT2302TXXXXX
  Is Monitored: true
  Reason: None
  Software Version: Cumulus Linux version 5.11.0 running on Mellanox
    Technologies Ltd. MSN2100
  Version Source: SNMP

NETAPP-SW2 (8X:XX:XX:XX:XX:XX) storage-network 10.xx.xx.xx MSN2100-CB2FC
  Serial Number: MT2308TXXXXX
  Is Monitored: true
  Reason: None
  Software Version: Cumulus Linux version 5.11.0 running on Mellanox
    Technologies Ltd. MSN2100
  Version Source: SNMP
```

- 删除并重新添加交换机无法解决问题

```
::*> system switch ethernet delete -device <device_name>
::*> system switch ethernet create -device "<DEVICE_NAME> (<MAC_ADRESS>)"
-address <IP_ADDRESS> -snmp-version <SNMP_VERSION> -community-or-username
<COMUNITY_OR_USERNAME> -model <MODEL> -type <TYPE> -is-monitoring-enabled-admin
<TRUE_OR_FALSE>
```

- 重新启动“cshmd”也会卡在启动发现阶段