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## 由于网络问题导致 SwitchUnreachable\_Alert

[https://kb-cn-stage.netapp.com/on-prem/Switches/Cisco-KBs/SwitchUnreachable\\_Alert\\_due\\_to\\_switch...](https://kb-cn-stage.netapp.com/on-prem/Switches/Cisco-KBs/SwitchUnreachable_Alert_due_to_switch...)

Updated: Wed, 22 Apr 2026 07:31:36 GMT

### 适用于

- ONTAP 9
- FAS/AFF 系统
- 集群交换机

### 问题描述

- 来自 AutoSupport : **SwitchUnreachable\_Alert** 在系统中报告

```
[Node_01: cshmd: hm.alert.raised:alert]: Alert Id = SwitchUnreachable_Alert ,  
Alerting Resource = SW1(FOCXXXXXXXX) raised by monitor ethernet-switch
```

```
[Node_01: cshmd: hm.alert.raised:alert]: Alert Id = SwitchUnreachable_Alert ,  
Alerting Resource = SW2(FOCXXXXXXXX) raised by monitor ethernet-switch
```

- 一个或多个节点与集群交换机通信失败

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- 运行以下命令时也会看到以下情况

```

CIsuter::> system health alert show Node: node1 Alert ID: SwitchUnreachable_Alert Resource:
switch1(YYY26390XXX) Severity: Major Indication Time: Mon Mar 10 14:42:11 2025 Suppress: false
Acknowledge: false Probable Cause: The ethernet switch's IP address is not reachable from the local
node. Possible Effect: Monitoring of the switch and log collection will not function. Corrective Actions:
Ensure that the IP address is reachable or specify the correct reachable IP address. Node: Node1 Alert
ID: UnsupportedSwitch_Alert Resource: switch1(YYY26390XXX) Severity: Major Indication Time: Mon
Mar 10 14:42:33 2025 Suppress: false Acknowledge: false Probable Cause: Unsupported Ethernet
switch is detected. Possible Effect: Communication problems and network connectivity issues occur.
Corrective Actions: Unsupported Ethernet switch "undcda-nsdb01(FDO26390U4P)" found.
Connects unsupported Ethernet switch to the network.

```

- 集群交换机未被集群交换机健康监视器 (CSHM) 监控：

```
ClusterA::> system switch ethernet show
```

```

Switch                Type                Address              Model
-----
switch_A_1(xxxxxxxxxx)  cluster-network    10.1.1.X            NX3132V
Serial Number: xxxxxxxxxxxx
Is Monitored: false
Reason: IP address not reachable
Software Version: Cisco Nexus Operating System (NX-OS) Software, Version
7.0(3)I4(1)
Version Source: CDP

```

- 这会导致交换机运行状况降级：

```
::> system health subsystem show
```

```

Subsystem            Health
-----
SAS-connect          ok
Environment           ok
Memory                ok
Service-Processor    ok
Switch-Health        degraded
CIFS-NDO              ok
Motherboard           ok

```