



## MetroCluster 切换失败 - 协商切换未完成

[https://kb-cn.netapp.com/on-prem/ontap/MC/MC-KBs/METROCLUSTER\\_SWITCHOVER\\_FAILED\\_-\\_n...](https://kb-cn.netapp.com/on-prem/ontap/MC/MC-KBs/METROCLUSTER_SWITCHOVER_FAILED_-_n...)

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### 适用于

- MetroCluster IP
- ONTAP 9

### 问题

- 启动协商切换 (NSO) 后，操作失败并显示错误消息

示例：

```
Cluster_A::> metrocluster operation show
```

```
Operation: switchover
State: successful
Start Time: 5/24/2023 06:35:38
End Time: 5/24/2023 06:35:44
Errors: Failed to execute the switchover operation for the node
components. Cluster_A (fatal): Unable to determine the result of the
negotiated switchover operation for the remote nodes. Ensure the remote
nodes are shut down and then retry the switchover operation with the "-
forced-on-disaster true" option.
```

- MetroCluster 处于不一致状态

示例：

```
Cluster_A::> metrocluster node show
```

| DR    | Configuration | DR         |  |
|-------|---------------|------------|--|
| Group | Cluster Node  | State      | Mirroring Mode                           |
| 1     | Cluster_A     |            |  |
|       | node_A_1      | configured | enabled negotiated switchover incomplete |
|       | node_A_2      | configured | enabled negotiated switchover incomplete |
|       | Cluster_B     |            |  |
|       | node_B_1      | configured | enabled negotiated switchover completed  |
|       | node_B_2      | configured | enabled negotiated switchover completed  |

```
Cluster_A::> metrocluster show
```

```
Configuration: IP-fabric
```

| Cluster | Entry Name | State |
|---------|------------|-------|
|         |            |       |

```
Local: Cluster_A
```

```
Configuration State configured
Mode normal
```

```
AUSO Failure Domain auso-on-cluster-disaster
```

```
Remote: Cluster_B
```

```
Configuration State configured
```

```
Mode normal
AUSO Failure Domain auso-on-cluster-disaster
```

- Aggrs 已切换，但配置未切换

示例：

```
Cluster_A::> aggr show
```

```
...
```

```
Cluster_B Switched Over Aggregates:
```

| Aggregate      | Size    | Available | Used% | State  | #Vols | Nodes    | RAID Status                     |
|----------------|---------|-----------|-------|--------|-------|----------|---------------------------------|
| aggr3_node_B_1 | 355.5GB | 334.2GB   | 6%    | online | 3     | node_A_1 | raid_dp,<br>mirrored,<br>normal |

- 切换模拟在 NSO 操作前几秒钟/几分钟成功

示例：

```
Cluster_A::> met op show
(metrocluster operation show)
Operation: switchover-simulate
State: successful
Start Time: 5/24/2023 06:35:08
End Time: 5/24/2023 06:35:24
Errors: -
```