



NiCE

ONTAP Select : 无法接管、并且HA互连RDMA已关闭

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

Updated: Wed, 27 May 2026 17:01:40 GMT

适用场景

- NetApp ONTAP Select
- HA互连(IC)
- 存储故障转移接管

问题描述

- ONTAP HA显示已禁用：

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```
::*> storage failover show
```

```
                                Takeover
Node           Partner           Possible State Description
-----
ontap-select-01 ontap-select-02 false    Waiting for ontap-select-02,
                                Takeover is not possible: NVRAM log
                                not synchronized
ontap-select-02 ontap-select-01 false    Waiting for ontap-select-01,
                                Takeover is not possible: NVRAM log
                                not synchronized, Disk inventory
not
                                exchanged
2 entries were displayed.
```

- HA互连Link为up或down，但IC RDMA connection为down：

```
::> set adv
```

```
Warning: These advanced commands are potentially dangerous; use them only
when directed to do so by NetApp personnel.
Do you want to continue? {y|n}: y
```

```
::*> node run -node * -command ic status
```

```
2 entries were acted on.
Node: ontap-select-01
Link : up
IC RDMA connection : down
Node: ontap-select-02
Link : down
IC RDMA connection : down
```

- 当Link显示down，时、vNIC在VMware中的状态会显示connected-如果不是、则在VMware中连接vNIC：
注：请参阅解决方案部分、
了解如何识别正确的vNIC MAC地址

Network adapter 6	OTS-internal	<input checked="" type="checkbox"/> Connected
Status	<input checked="" type="checkbox"/> Connect At Power On	
Port ID	19283	
Adapter Type	VMXNET 3	
DirectPath I/O	<input checked="" type="checkbox"/> Enable	
Shares	Normal	50
Reservation	0	Mbit/s
Limit	Unlimited	Mbit/s
MAC Address	02:08:60:00:0C:ED	Manual

- 事件日志会在问题触发时显示一系列事件：

注意：某些事件(例如严重性为debug的事件)不会显示在管理权限下、可能需要提升权限级别

```

::*> event log show
Sat May 27 2023 17:00:26 +00:00 [ontap-select-02:cf.ic.xferTimedOutVSA:notice]: HA interconnect: ofw transfer timed out.
Sat May 27 2023 17:00:26 +00:00 [ontap-select-02:cf.fm.partnerFwTransition:info]: prevstate="SF_UP", newstate="SF_UNKNOWN", progresscounter="0"
Sat May 27 2023 17:00:28 +00:00 [ontap-select-02:cf.fsm.takeoverOfPartnerDisabled:error]: Failover monitor: takeover of ontap-select-01 disabled (unsynchronized log).
Sat May 27 2023 17:00:29 +00:00 [ontap-select-02:ic.rdma.qpDisconnected:debug]: ofw is disconnected.
Sat May 27 2023 17:00:31 +00:00 [ontap-select-02:cf.ic.xferTimedOutVSA:notice]: HA interconnect: waf1 transfer timed out.
Sat May 27 2023 17:00:31 +00:00 [ontap-select-02:nvmm.mirror.aborting:debug]: mirror of sysid 1, partner_type HA Partner and mirror state MIRROR_ONLINE is aborted because of reason Abort Pending.
Sat May 27 2023 17:00:31 +00:00 [ontap-select-02:sk.hog.runtime:notice]: Process waf1_exempt01 ran for 16048 milliseconds
Sat May 27 2023 17:00:31 +00:00 [ontap-select-02:mgr.stack.longrun.proc:notice]: Long running process: waf1_exempt01

```

```

Sat May 27 2023 17:00:31 +00:00 [ontap-select-02:mgr.stack.frame:notice]:
Stack frame 0: maytag.ko::sk_save_stackframes(0xffffffff8942f6f0) + 0x30
Sat May 27 2023 17:00:31 +00:00 [ontap-
select-02:ha.healthCheckRoundtrip:debug]: HA_HEALTH_CHECK request-id 7
start-timestamp 8294259962 round-trip time: 0 msecs.
Sat May 27 2023 17:00:31 +00:00 [ontap-
select-02:ha.netPartition.other:debug]: Network partition due to other
error. Duration 119 msecs, takeover wait 0 msecs; error code 5; status:
0x1001; request id: 7.
Sat May 27 2023 17:00:31 +00:00 [ontap-
select-02:rastrace.dump.saved:debug]: A RAS trace dump for module IC
instance 0 was stored in /etc/log/rastrace/
IC_0_20230527_17:00:31:741638.dmp.
Sat May 27 2023 17:00:31 +00:00 [ontap-
select-02:cf.fsm.takeoverByPartnerDisabled:error]: Failover monitor:
takeover of ontap-select-02 by ontap-select-01 disabled (unsynchronized
log).
Sat May 27 2023 17:00:35 +00:00 [ontap-
select-02:rastrace.dump.saved:debug]: A RAS trace dump for module HA
instance 0 was stored in /etc/log/rastrace/
HA_0_20230527_17:00:35:668467.dmp.
Sat May 27 2023 17:00:51 +00:00 [ontap-
select-02:nvmm.mirror.offlined:debug]: mirror="HA Partner Mirror Offlined"
Sat May 27 2023 17:00:58 +00:00 [ontap-
select-02:rdma.rlib.queue.full:notice]: Send queue of QP Control is full.
Sat May 27 2023 17:00:58 +00:00 [ontap-
select-02:ctrl.rdma.heartBeat:info]: HA interconnect: Missed heartbeat to
169.254.128.242.
Sat May 27 2023 17:00:58 +00:00 [ontap-select-02:sk.hog.runtime:notice]:
Process ctrl_hb_port_e0f ran for 16051 milliseconds
Sat May 27 2023 17:00:58 +00:00 [ontap-
select-02:mgr.stack.longrun.proc:notice]: Long running process:
ctrl_hb_port_e0f

Sat May 27 2023 17:01:00 +00:00 [ontap-
select-02:monitor.globalStatus.critical:EMERGENCY]: Controller failover of
ontap-select-01 is not possible: unsynchronized log.
Sat May 27 2023 17:01:33 +00:00 [ontap-
select-02:cf.diskinventory.sendFailed:debug]: reason="HA Interconnect
down", errorCode="0"

```

- ESXi vmkernel 日志同时显示：

```

2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21226: ontap-select-01.eth5,02:0c:00:00:80:f2,
portID(67108922): Hang detected,numHangQ: 1, enableGen: 96
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)NetSched: 752: 0x8400000f: received a force quiesce for port

```

```
0x400003a, dropped 9 pkts
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1542 eop: 1543
enableGen: 0 qid: 96, pkt: 0x45c995a9b900
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1540 eop: 1541
enableGen: 0 qid: 96, pkt: 0x45c98885c900
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1538 eop: 1539
enableGen: 0 qid: 96, pkt: 0x45c988887980
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1536 eop: 1537
enableGen: 0 qid: 96, pkt: 0x45c9940c4f80
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1534 eop: 1535
enableGen: 0 qid: 96, pkt: 0x45c98bd48d40
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1532 eop: 1533
enableGen: 0 qid: 96, pkt: 0x45c995b63d00
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1530 eop: 1531
enableGen: 0 qid: 96, pkt: 0x45c995ba5a00
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21239: portID: 67108922, sop: 1528 eop: 1529
enableGen: 0 qid: 96, pkt: 0x45c99413bf00
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21235: portID:67108922, QID: 0, next2TX: 1496,
next2Comp: 1528, lastNext2TX: 1496, next2Write:3253, ringSize: 4096
inFlight: 18, delay(ms): 4622,txStopped: 0
2023-06-16T17:00:36.817Z esx001.corp.local vmkernel:
cpu36:3239639)Vmxnet3: 21226: ontap-select-01.eth5,02:0c:00:00:80:f2,
portID(67108922): Hang detected,numHangQ: 1, enableGen: 96
```