



Troubleshooting transition issues when using SnapMirror

ONTAP 7-Mode Transition

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Troubleshooting transition issues when using SnapMirror

Troubleshooting information helps you to identify and resolve issues that occur when transitioning 7-Mode data using SnapMirror commands.

Resuming a failed SnapMirror baseline transfer

During transition, SnapMirror baseline transfers can fail due to a number of reasons, such as loss of network connectivity, transfer aborted, or controller failover. After rectifying the cause of failure, you can resume the SnapMirror transfers if a restart checkpoint is available.

If the restart checkpoint for the baseline transfer is not available, you must delete and re-create the volume, reestablish the SnapMirror relationship, and initiate the transition again.

Steps

1. From the destination cluster, use the `snapmirror show` command with the `-snapshot-checkpoint` parameter to view the status of the baseline transfer and the restart checkpoint.

```
cluster2::> snapmirror show -destination-path dest_vserver:vol3 -fields
snapshot-checkpoint
source-path          destination-path snapshot-checkpoint
-----
src_system:vol3     dest_vserver:vol3 50MB
```

2. If the SnapMirror checkpoint exists, use the `snapmirror initialize` command to resume the baseline transfer.

```
cluster2::> snapmirror initialize -destination-path dest_vserver:vol3
```

Recovering from a failed LUN transition

If the transition of volumes with LUNs fails, you can use the `lun transition 7-mode show` command to check which LUNs were not transitioned to ONTAP, and then determine a corrective action.

Steps

1. Change to advanced privilege level:

```
set -privilege advanced
```

2. Check which LUNs failed:

lun transition 7-mode show

3. Review the EMS logs and determine the corrective action that you must take.
4. Perform the required steps shown in the EMS message to correct the failure.
5. If any supported LUNs failed the transition, then to complete the transition:

lun transition start

6. View the transition status of the volumes:

lun transition show

The transition status can be one of following values:

- **active**: The volume is in an active SnapMirror transition relationship and not yet transitioned.
- **complete**: All supported LUNs are transitioned for this volume.
- **failed**: LUN transition failed for the volume.
- **none**: The volume did not contain LUNs to transition from 7-Mode systems.

```
cluster1::*> lun transition show
Vserver          Volume          Transition Status
-----
vs1              vol0            none
                vol1            complete
                vol2            failed
                vol3            active
```

Related information

[Space considerations when transitioning SAN volumes](#)

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