



Converting existing relationships to SM-BC relationships

ONTAP System Manager

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You can convert an existing zero recovery point protection (zero RPO) Synchronous SnapMirror relationship to an SM-BC zero RTO Synchronous SnapMirror consistency group relationship.

Before you begin

- A zero RPO Synchronous SnapMirror relationship exists between the primary and secondary
- All LUNs on the destination volume are unmapped before the zero RTO SnapMirror relationship is created

About this task

- You must be a cluster and SVM administrator on the source and destination.
- You cannot convert zero RPO to zero RTO sync by changing the SnapMirror policy.
- If existing LUNs on the secondary volume are mapped, `snapmirror create` with AutomatedFailover policy triggers an error.
You must ensure the LUNs are unmapped before issuing the `snapmirror create` command.

Steps

1. Perform a SnapMirror update operation on the existing relationship:

```
destination::>snapmirror update -destination-path vs1_dst:vol1
```

2. Verify that the SnapMirror update completed successfully:

```
destination::>snapmirror show
```

3. Quiesce each of the zero RPO synchronous relationships:

```
destination::>snapmirror quiesce -destination-path vs1_dst:vol1
```

```
destination::>snapmirror quiesce -destination-path vs1_dst:vol2
```

4. Delete each of the zero RPO synchronous relationships:

```
destination::>snapmirror delete -destination-path vs1_dst:vol1
```

```
destination::>snapmirror delete -destination-path vs1_dst:vol2
```

5. Release the source SnapMirror relationship but retain the common Snapshot copies:

```
source::>snapmirror release -relationship-info-only true -destination-path vs1_dst:vol1
```

```
source::>snapmirror release -relationship-info-only true -destination-path vs1_dst:vol2
```

6. Create a group zero RTO Synchronous Snapmirror relationship:

```
destination::> snapmirror create -source-path vs1_src:/cg/cg_src -destination  
-path vs1_dst:/cg/cg_dst -cg-item-mappings vol1:@vol1,vol2:@vol2 -policy  
AutomatedFailover
```

7. Resynchronize the zero RTO consistency group:

```
destination::> snapmirror resync -destination-path vs1_dst:/cg/cg_dst
```

8. Rescan host LUN I/O paths to restore all paths to the LUNs.

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