



Performing a switchback

ONTAP MetroCluster

ntap-bmegan, zachary wambold
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After you heal the MetroCluster configuration, you can perform the MetroCluster switchback operation. The MetroCluster switchback operation returns the configuration to its normal operating state, with the sync-source storage virtual machines (SVMs) on the disaster site active and serving data from the local disk pools.

- The disaster cluster must have successfully switched over to the surviving cluster.
- Healing must have been performed on the data and root aggregates.
- The surviving cluster nodes must not be in the HA failover state (all nodes must be up and running for each HA pair).
- The disaster site controller modules must be completely booted and not in the HA takeover mode.
- The root aggregate must be mirrored.
- The Inter-Switch Links (ISLs) must be online.
- Any required licenses must be installed on the system.

1. Confirm that all nodes are in the enabled state: `metrocluster node show`

The following example displays the nodes that are in the enabled state:

```
cluster_B::> metrocluster node show
```

DR Group	Cluster	Node	Configuration State	DR Mirroring Mode
1	cluster_A	node_A_1	configured	enabled heal roots
	completed	node_A_2	configured	enabled heal roots
	completed	cluster_B	node_B_1	configured enabled waiting for switchback recovery
		node_B_2	configured	enabled waiting for switchback recovery

4 entries were displayed.

2. Confirm that resynchronization is complete on all SVMs: `metrocluster vservers show`
3. Verify that any automatic LIF migrations being performed by the healing operations have been successfully completed: `metrocluster check lif show`
4. Perform the switchback by running the `metrocluster switchback` command from any node in the surviving cluster.
5. Check the progress of the switchback operation: `metrocluster show`

The switchback operation is still in progress when the output displays waiting-for-switchback:

```
cluster_B::> metrocluster show
Cluster                               Entry Name                State
-----
Local: cluster_B                     Configuration state        configured
                                     Mode                        switchover
                                     AUSO Failure Domain      -
Remote: cluster_A                    Configuration state        configured
                                     Mode                        waiting-for-switchback
                                     AUSO Failure Domain      -
```

The switchback operation is complete when the output displays normal:

```
cluster_B::> metrocluster show
Cluster                               Entry Name                State
-----
Local: cluster_B                     Configuration state        configured
                                     Mode                        normal
                                     AUSO Failure Domain      -
Remote: cluster_A                    Configuration state        configured
                                     Mode                        normal
                                     AUSO Failure Domain      -
```

If a switchback takes a long time to finish, you can check on the status of in-progress baselines by using the `metrocluster config-replication resync-status show` command. This command is at the advanced privilege level.

6. Reestablish any SnapMirror or SnapVault configurations.

In ONTAP 8.3, you need to manually reestablish a lost SnapMirror configuration after a MetroCluster switchback operation. In ONTAP 9.0 and later, the relationship is reestablished automatically.

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