



SM-BC upgrade and revert considerations

ONTAP System Manager

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You should be aware of the requirements for upgrading and reverting an SM-BC configuration.

Upgrade

Before you can configure and use SM-BC, you must upgrade all nodes on the source and destination clusters to ONTAP 9.8 or later.

Reverting to ONTAP 9.7 from ONTAP 9.8

When you revert from ONTAP 9.8 to ONTAP 9.7, you must be aware of the following:

- If the cluster is hosting an SM-BC destination, reverting to ONTAP 9.7 is not allowed until the relationship is broken and deleted.
- If the cluster is hosting an SM-BC source, reverting to ONTAP 9.7 is not allowed until the relationship is released.
- All user-created custom SM-BC SnapMirror policies must be deleted before reverting to ONTAP 9.7.

Steps

1. Perform a revert check from one of the clusters in the SM-BC relationship:

```
cluster::*> system node revert-to -version 9.7 -check-only
```

Example:

```
cluster::*> system node revert-to -version 9.7 -check-only
```

Error: command failed: The revert check phase failed. The following issues must be resolved before revert can be completed. Bring the data LIFs down on running vservers.

Command to list the running vservers: `vserver show -admin-state running` Command to

list the data LIFs that are up: `network interface show -role data -status-admin up`

Command to bring all data LIFs down: `network interface modify {-role data} -status -admin down`

Disable snapshot policies.

Command to list snapshot policies: `"snapshot policy show"`.

Command to disable snapshot policies: `"snapshot policy modify -vserver * -enabled false"`

Break off the initialized online data-protection (DP) volumes and delete Uninitialized online data-protection (DP) volumes present on the local node.

Command to list all online data-protection volumes on the local node:
`volume show -type DP -state online -node <local-node-name>`

Before breaking off the initialized online data-protection volumes, quiesce and abort transfers on associated SnapMirror relationships and wait for the Relationship Status to be Quiesced.

Command to quiesce a SnapMirror relationship: `snapmirror quiesce`

Command to abort transfers on a SnapMirror relationship: `snapmirror abort`

Command to see if the Relationship Status of a SnapMirror relationship is Quiesced: `snapmirror show`

Command to break off a data-protection volume: `snapmirror break`

Command to break off a data-protection volume which is the destination of a SnapMirror relationship with a policy of type "vault": `snapmirror break -delete-snapshots`

Uninitialized data-protection volumes are reported by the "snapmirror break" command when applied on a DP volume.

Command to delete volume: `volume delete`

Delete current version snapshots in advanced privilege level.

Command to list snapshots: `"snapshot show -fs-version 9.8"`

Command to delete snapshots: `"snapshot prepare-for-revert -node <nodename>"`

Delete all user-created policies of the type active-strict-sync-mirror and active-sync-mirror.

The command to see all active-strict-sync-mirror and active-sync-mirror type policies is:

`snapmirror policy show -type`

`active-strict-sync-mirror,active-sync-mirror`

The command to delete a policy is :

`snapmirror policy delete -vserver <vserver-name> -policy <policy-name>`

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