



# SM-BC upgrade and revert considerations

## ONTAP System Manager

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# SM-BC upgrade and revert considerations

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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