



# **SM-BC upgrade and revert considerations**

## **ONTAP 9**

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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.

[Upgrading software on ONTAP clusters](#)



SM-BC is not supported with mixed ONTAP 9.7 and ONTAP 9.8 clusters.

## 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>

```

For information on reverting clusters, see [Revert ONTAP](#).

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