



SM-BC upgrade and revert considerations

ONTAP 9

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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.

[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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