



SM-BC upgrade and revert considerations

ONTAP System Manager

Lenida Vorwerk
December 04, 2020

This PDF was generated from https://docs.netapp.com/us-en/ontap/smbc/smbc_admin_upgrade_and_revert_considerations.html on December 16, 2020. Always check docs.netapp.com for the latest.



Table of Contents

SM-BC upgrade and revert considerations 1

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.



SM-BC is not supported 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>

Copyright Information

Copyright © 2020 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.