



Prepare Snapshot copies before reverting

ONTAP 9

aherbin
April 27, 2021

This PDF was generated from https://docs.netapp.com/us-en/ontap/revert/task_preparing_snapshot_copies_before_reverting.html on May 31, 2021. Always check docs.netapp.com for the latest.

Table of Contents

Prepare Snapshot copies before reverting 1

Prepare Snapshot copies before reverting

Before reverting to an earlier ONTAP release, you must disable all Snapshot copy policies and delete any Snapshot copies that were created after upgrading to the current release.

If you are reverting in a SnapMirror environment, you must first have deleted the following mirror relationships:

- All load-sharing mirror relationships
- Any data protection mirror relationships that were created in ONTAP 8.3.x
- All data protection mirror relationships if the cluster was re-created in ONTAP 8.3.x

1. Disable Snapshot copy policies for all data SVMs: `volume snapshot policy modify -vserver * -enabled false`
2. Disable Snapshot copy policies for each node's aggregates:
 - a. Identify the node's aggregates by using the `run-nodenodenameaggr status` command.
 - b. Disable the Snapshot copy policy for each aggregate: `run -node nodename aggr options aggr_name nosnap on`
 - c. Repeat this step for each remaining node.
3. Disable Snapshot copy policies for each node's root volume:
 - a. Identify the node's root volume by using the `run-nodenodenamevol status` command.

You identify the root volume by the word `root` in the `Options` column of the `vol status` command output.

```
vs1::> run -node node1 vol status
```

Volume State	Status	Options
vol0 online	raid_dp, flex 64-bit	root, nvfail=on

- b. Disable the Snapshot copy policy on the root volume: `run -node nodename vol options root_volume_name nosnap on`
 - c. Repeat this step for each remaining node.
4. Delete all Snapshot copies that were created after upgrading to the current release:
 - a. Set the privilege level to advanced: `set -privilege advanced`
 - b. Disable the snapshots: `snapshot policy modify -vserver * -enabled false`
 - c. Delete the node's newer-version Snapshot copies: `volume snapshot prepare-for-revert -node nodename`

This command deletes the newer-version Snapshot copies on each data volume, root aggregate, and root volume.

If any Snapshot copies cannot be deleted, the command fails and notifies you of any required

actions you must take before the Snapshot copies can be deleted. You must complete the required actions and then rerun the volume snapshot prepare-for-revert command before proceeding to the next step.

```
cluster1::*> volume snapshot prepare-for-revert -node node1
```

```
Warning: This command will delete all Snapshot copies that have  
the format used by the current version of ONTAP. It will fail if  
any Snapshot copy policies are enabled, or  
if any Snapshot copies have an owner. Continue? {y|n}: y
```

d. Verify that the Snapshot copies have been deleted: `volume snapshot show -node nodename`

If any newer-version Snapshot copies remain, force them to be deleted: `volume snapshot delete {-fs-version 9.0 -node nodename -is-constituent true} -ignore -owners -force`

e. Repeat this step c for each remaining node.

f. Return to the admin privilege level: `set -privilege admin`



You must perform these steps on both the clusters in MetroCluster configuration.

Copyright Information

Copyright © 2021 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.