



Verify current cluster activity before downgrading

ONTAP 9

aherbin
April 27, 2021

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

Table of Contents

- Verify current cluster activity before downgrading 1
 - Verify that no jobs are running 1
 - Identify active CIFS sessions that should be terminated 2

Verify current cluster activity before downgrading

Before downgrading, no jobs should be running and any CIFS sessions that are not continuously available should be terminated.

Verify that no jobs are running

Before downgrading the ONTAP software, you must verify the status of cluster jobs. If any aggregate, volume, NDMP (dump or restore), or Snapshot jobs (such as create, delete, move, modify, replicate, and mount jobs) are running or queued, you must allow the jobs to finish successfully or stop the queued entries.

1. Review the list of any running or queued aggregate, volume, or Snapshot jobs: `job show`

```
cluster1::> job show
```

Job ID	Name	Owning Vserver	Node	State
8629	Vol Reaper	cluster1	-	Queued
	Description: Vol Reaper Job			
8630	Certificate Expiry Check	cluster1	-	Queued
	Description: Certificate Expiry Check			
.				
.				
.				

2. Delete any running or queued aggregate, volume, or Snapshot copy jobs: `job delete -id job_id`

```
cluster1::> job delete -id 8629
```

3. Verify that no aggregate, volume, or Snapshot jobs are running or queued: `job show`

In this example, all running and queued jobs have been deleted:

```
cluster1::> job show
```

Job ID	Name	Owning Vserver	Node	State
9944	SnapMirrorDaemon_7_2147484678	cluster1	node1	Dormant
Description: Snapmirror Daemon for 7_2147484678				
18377	SnapMirror Service Job	cluster1	node0	Dormant
Description: SnapMirror Service Job				

2 entries were displayed

Identify active CIFS sessions that should be terminated

Before performing a nondisruptive downgrade, you should identify and gracefully terminate any CIFS sessions that are not continuously available.

Continuously available CIFS shares, which are accessed by Hyper-V or Microsoft SQL Server clients using the SMB 3.0 protocol, do not need to be terminated before upgrading or downgrading.

1. Identify any established CIFS sessions that are not continuously available: `vserver cifs session show -continuously-available Yes -instance`

This command displays detailed information about any CIFS sessions that have no continuous availability. You should terminate them before proceeding with the ONTAP downgrade.

```
cluster1::> vserver cifs session show -continuously-available Yes
-instance
```

```
Node: node1
Vserver: vs1
Session ID: 1
Connection ID: 4160072788
Incoming Data LIF IP Address: 198.51.100.5
Workstation IP address: 203.0.113.20
Authentication Mechanism: NTLMv2
Windows User: CIFSLAB\user1
UNIX User: nobody
Open Shares: 1
Open Files: 2
Open Other: 0
Connected Time: 8m 39s
Idle Time: 7m 45s
Protocol Version: SMB2_1
Continuously Available: No
1 entry was displayed.
```

2. If necessary, identify the files that are open for each CIFS session that you identified: `vserver cifs session file show -session-id session_ID`

```
cluster1::> vserver cifs session file show -session-id 1
```

```
Node:      node1
Vserver:   vs1
Connection: 4160072788
Session:   1
File       File       Open Hosting
Continuously
ID         Type        Mode Volume          Share              Available
-----
-----
1          Regular    rw   vol10             homedirshare       No
Path: \TestDocument.docx
2          Regular    rw   vol10             homedirshare       No
Path: \file1.txt
2 entries were displayed.
```

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.