Powering off an entire MetroCluster FC configuration

ONTAP MetroCluster

netapp-ivanad, ntap-bmegan
April 12, 2021

This PDF was generated from https://docs.netapp.com/us-en/ontap-metrocluster/maintain/task_power_off_an_entire_mcc_fc_configuration.html on April 28, 2021. Always check docs.netapp.com for the latest.

Table of Contents

Powering off an entire MetroCluster FC configuration 1

Powering off an entire MetroCluster FC configuration

You must power off the entire MetroCluster FC configuration and all of the equipment before site maintenance or relocation can begin.

Starting with ONTAP 9.8, the **storage switch** command is replaced with **system switch**. The following steps show the **storage switch** command, but if you are running ONTAP 9.8 or later, the **system switch** command is preferred.

1. Verify the MetroCluster configuration from both sites in the MetroCluster configuration.
   a. Confirm the MetroCluster configuration and that the operational mode is normal.
      metrocluster show
   b. Confirm connectivity to the disks by entering the following command on any one of the MetroCluster nodes:
      run local sysconfig -v
   c. Run the following command:
      storage bridge show
   d. Run the following command:
      storage port show
   e. Run the following command:
      storage switch show
   f. Run the following command:
      network port show
   g. Perform a MetroCluster check:
      metrocluster check run
   h. Display the results of the MetroCluster check:
      metrocluster check show
2. Disable AUSO by modifying the AUSO Failure Domain to

   auso-disabled

   ```
   cluster_A_site_A::*>metrocluster modify -auto-switchover-failure-domain
   auso-disabled
   ```

3. Verify the change using the command

   metrocluster operation show

```
cluster_A_site_A::*> metrocluster operation show
   Operation: modify
       State: successful
  Start Time: 4/25/2020 20:20:36
    End Time: 4/25/2020 20:20:36
      Errors: -
```

4. Halt the nodes by using the following command:

   `halt` * For a four-node or eight-node MetroCluster configuration, use the parameter `*inhibit-takeover`

   +

   ```
   system node halt -node node1_SiteA -inhibit-takeover true -ignore-quorum
   -warnings true
   ```

   - For a two-node MetroCluster configuration, use the command:

     ```
     system node halt -node node1_SiteA -ignore-quorum-warnings true
     ```

5. Power off the following equipment at the site:
   - Storage controllers
   - MetroCluster FC switches
   - ATTO FibreBridges
   - Storage shelves
6. Wait for thirty minutes and then power on all the controllers.
7. After the controllers are powered on, verify the MetroCluster configuration from both sites.

   To verify the configuration, repeat step 1.

8. Perform power cycle checks.
   a. Verify that all sync-source SVMs are online:
   `vserver show`
   b. Start any sync-source SVMs that are not online:
   `vserver start`

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.