



Ensuring ISLs are in the same port group and configuring zoning

ONTAP MetroCluster

aherbin, netapp-ivanad, ntap-bmegan
April 12, 2021

Table of Contents

Ensuring ISLs are in the same port group and configuring zoning 1

Ensuring ISLs are in the same port group and configuring zoning

You must make sure that the Inter-Switch Links (ISLs) are in the same port group and configure zoning for the MetroCluster configurations to successfully share the switch fabrics.

Steps

1. If the ISLs are not in the same port group, move one of the ISL ports to the same port group as the other one.

You can use any available port except 32 through 45, which are used by the new MetroCluster configuration. The recommended ISL ports are 46 and 47.

2. Follow the steps in the [Configuring zoning on a Brocade FC switch](#) section to enable trunking and the QoS zone.

[Configuring zoning on Brocade FC switches](#)

The port numbers when sharing fabrics are different than those shown in the section. When sharing, use ports 46 and 47 for the ISL ports. If you moved your ISL ports, you need to use the procedure in the [Configuring the E-ports \(ISL ports\) on a Brocade FC switch](#) section to configure the ports.

[Configuring the E-ports \(ISL ports\) on a Brocade FC switch](#)

3. Follow the steps in the [Configuring the non-E ports on the Brocade switch](#) section to configure the non-E ports.

[Configuring the non-E ports on the Brocade switch](#)

4. Do not delete the zones or zone sets that already exist in the backend switches (for the 7-Mode fabric MetroCluster) except the Traffic Isolation (TI) zones in Step 3.
5. Follow the steps in the [Configuring the E-ports \(ISL ports\) on a Brocade FC switch](#) section to add the zones required by the new MetroCluster to the existing zone sets.

[Configuring the E-ports \(ISL ports\) on a Brocade FC switch](#)

The following example shows the commands and system output for creating the zones:

```
Brocade-6510-2K0GG:admin> zonecreate "QOSH2_FCVI_1", "2,32; 2,35; 1,32; 1,35"
```

```
Brocade-6510-2K0GG:admin> zonecreate "STOR_A_2_47", "2,33; 2,34; 2,36; 2,37; 1,33; 1,34; 1,36; 1,37; 1,47"
```

```
Brocade-6510-2K0GG:admin> zonecreate "STOR_B_2_47", "2,33; 2,34; 2,36; 2,37; 1,33; 1,34; 1,36; 1,37; 2,47"
```

```
Brocade-6510-2K0GG:admin> cfgadd config_1_FAB2, "QOSH2_FCVI_1; STOR_A_2_47; STOR_B_2_47"
```

```
Brocade-6510-2K0GG:admin> cfgenable "config_1_FAB2"
```

You are about to enable a new zoning configuration.

This action will replace the old zoning configuration with the current configuration selected. If the update includes changes to one or more traffic isolation zones, the update may result in localized disruption to traffic on ports associated with the traffic isolation zone changes

Do you want to enable 'config_1_FAB2' configuration (yes, y, no, n):

[no] yes

```
Brocade-6510-2K0GG:admin> cfgsave
```

You are about to save the Defined zoning configuration. This action will only save the changes on Defined configuration.

Do you want to save the Defined zoning configuration only? (yes, y, no, n): [no] yes

Nothing changed: nothing to save, returning ...

```
Brocade-6510-2K0GG:admin>
```

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.