



Configuring FC-to-SAS bridges for health monitoring

ONTAP MetroCluster

netapp-ivanad, ntap-bmegan
April 12, 2021

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

Table of Contents

Configuring FC-to-SAS bridges for health monitoring 1

Configuring FC-to-SAS bridges for health monitoring

- Third-party SNMP monitoring tools are not supported for FibreBridge bridges.
- Starting with ONTAP 9.8, FC-to-SAS bridges are monitored via in-band connections by default, and additional configuration is not required.



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

Steps

1. From the ONTAP cluster prompt, add the bridge to health monitoring:
 - a. Add the bridge, using the command for your version of ONTAP:

ONTAP version	Command
9.5 and later	storage bridge add -address 0.0.0.0 -managed-by in-band -name bridge-name
9.4 and earlier	storage bridge add -address bridge-ip-address -name bridge-name

- b. Verify that the bridge has been added and is properly configured:
storage bridge show

It might take as long as 15 minutes to reflect all data because of the polling interval. The ONTAP health monitor can contact and monitor the bridge if the value in the **Status** column is **ok**, and other information, such as the worldwide name (WWN), is displayed.

The following example shows that the FC-to-SAS bridges are configured:

```
controller_A_1::> storage bridge show
```

Bridge	Symbolic Name	Is Monitored	Monitor Status	
Vendor Model	Bridge WWN			
-----	-----	-----	-----	-----
ATTO_10.10.20.10	atto01	true	ok	Atto
FibreBridge 7500N	20000010867038c0			
ATTO_10.10.20.11	atto02	true	ok	Atto
FibreBridge 7500N	20000010867033c0			
ATTO_10.10.20.12	atto03	true	ok	Atto
FibreBridge 7500N	20000010867030c0			
ATTO_10.10.20.13	atto04	true	ok	Atto
FibreBridge 7500N	2000001086703b80			

```
4 entries were displayed
```

```
controller_A_1::>
```

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.