



nvmeof events

ONTAP 9.15.1 EMS reference

NetApp
June 10, 2024

Table of Contents

- nvmeof events 1
- nvmeof.cabling events 1
- nvmeof.hostport events 1
- nvmeof.mixedports events 2
- nvmeof.onlyoneport events 3
- nvmeof.port events 4
- nvmeof.portioma events 4
- nvmeof.portiomb events 5
- nvmeof.rdma events 6
- nvmeof.subsystem events 7
- nvmeof.timeout events 7

nvmeof events

nvmeof.cabling events

nvmeof.cabling.clear

Severity

NOTICE

Description

This message occurs when all of the cabling issues to the shelf have been corrected.

Corrective Action

(None).

Syslog Message

The storage cabling issues on node "%s" have been corrected.

Parameters

node_name (STRING): Node name connected to the cable.

nvmeof.cabling.error

Severity

ERROR

Description

This message occurs when there are errors with the cabling to the shelf.

Corrective Action

Run the "storage check-cables" node shell command to list the errors. Follow the cabling guide to correct the issues.

Syslog Message

There is a storage cabling issue on node "%s". Run the "storage check-cables" node shell command to list the errors.

Parameters

node_name (STRING): Node name connected to the cable.

nvmeof.hostport events

nvmeof.hostport.clear

Severity

NOTICE

Description

This message occurs when a node shelf is no longer cabled incorrectly from a port that is not a storage

port. Indicates condition has cleared.

Corrective Action

(None).

Syslog Message

Shelf on node %s with SN %s is no longer cabled incorrectly from a port that is not a storage port.

Parameters

node_name (STRING): Host name connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.hostport.error

Severity

ERROR

Description

This message occurs when the host port is incorrectly cabled to the shelf.

Corrective Action

Reconnect the host port to a Storage Ethernet port.

Syslog Message

Port %s is not configured as a Storage Ethernet port on node %s. It is incorrectly cabled to Shelf with SN %s.

Parameters

host_port (STRING): Host port connected to the cable.

node_name (STRING): Host name connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.mixedports events

nvmeof.mixedports.clear

Severity

NOTICE

Description

This message occurs when there is no longer a nonrecommended mix of a dedicated port and a nondedicated port cabled from a node to a shelf.

Corrective Action

(None).

Syslog Message

There is no longer a nonrecommended mix of a dedicated port and a nondedicated port cabled from node %s to shelf with SN %s.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.mixedports.error

Severity

ERROR

Description

This message occurs when both primary and secondary host ports are incorrectly cabled to a shelf. This cabling might compromise physical data link redundancy and inhibit system performance.

Corrective Action

Connect either primary dedicated ports or secondary nondedicated ports to the shelf, but not both port types.

Syslog Message

There is a nonrecommended mix of a dedicated port and a nondedicated port cabled from node %s to Shelf with SN %s.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.onlyoneport events

nvmeof.onlyoneport.clear

Severity

NOTICE

Description

This message occurs when there is no longer only one port cabled from a node to a shelf.

Corrective Action

(None).

Syslog Message

There is no longer only one port cabled from node %s to shelf with SN %s.

Parameters

node_name (STRING): Host name connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.onlyoneport.error

Severity

ERROR

Description

This message occurs when host port is incorrectly cabled to a shelf.

Corrective Action

The host port is incorrectly cabled to shelf. two ports must be connected to ensure redundancy.

Syslog Message

There is only one port cabled from node %s to Shelf with SN %s.

Parameters

node_name (STRING): Host name connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.port events

nvmeof.port.modify

Severity

NOTICE

Description

This message occurs when the mode of an NVMe-oF port is changed.

Corrective Action

(None).

Syslog Message

Changing NVMe-oF port %s to %s mode.

Parameters

port (STRING): Name of port being configured.

mode (STRING): Mode in which to configure port: network or storage.

nvmeof.portioma events

nvmeof.portioma.clear

Severity

NOTICE

Description

This message occurs when there are no longer two ports cabled incorrectly from a node to top module (A) on a shelf.

Corrective Action

(None).

Syslog Message

Two ports are no longer cabled incorrectly from node %s to top module (A) on shelf with SN %s.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.portioma.error

Severity

ERROR

Description

This message occurs when there are two ports cabled to the top module (A) on a shelf.

Corrective Action

Connect two ports to different modules to provide redundancy.

Syslog Message

There are two ports cabled from node %s to top module (A) on Shelf with SN %s. One of these cables should be removed.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.portiomb events

nvmeof.portiomb.clear

Severity

NOTICE

Description

This message occurs when there are no longer two ports cabled incorrectly from a node to bottom module (B) on a shelf.

Corrective Action

(None).

Syslog Message

Two ports are no longer cabled incorrectly from node %s to bottom module (B) on shelf with SN %s.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.portiomb.error

Severity

ERROR

Description

This message occurs when there are two ports cabled to the bottom module (B) on a shelf.

Corrective Action

Connect two ports to different modules to provide redundancy.

Syslog Message

There are two ports cabled from node %s to bottom module (B) on Shelf with SN %s. One of these cables should be removed.

Parameters

node_name (STRING): Host port connected to the cable.

shelf_sn (STRING): Serial number of the shelf connected to the cable.

nvmeof.rdma.events

nvmeof.rdma.disconnect.event

Deprecated

Deprecated as of version 9.13.1.

Severity

NOTICE

Description

This message occurs when the NVMe-oF driver detects an RDMA disconnect. There might be a decrease in performance while reconnecting.

Corrective Action

(None).

Syslog Message

NVMe-oF RDMA disconnect on subnqn %s, controller ID %d, qpair ID %d.

Parameters

subnqn (STRING): Subsystem NVMe qualified name.

ctrlr_id (INT): Controller ID.

qpair (INT): Qpair ID.

nvmeof.rdma.disconnect.status

Deprecated

Deprecated as of version 9.13.1.

Severity

NOTICE

Description

This message occurs when the NVMeoF driver detects a command that finishes with a disconnect status. There might be a decrease in performance while reconnecting.

Corrective Action

(None).

Syslog Message

NVMe-oF disconnect on subnqn %s, controller ID %d, qpair ID %d.

Parameters

subnqn (STRING): Subsystem NVMe qualified name.

ctrlr_id (INT): Controller ID.

qpair (INT): Qpair ID.

nvmeof.subsystem events

nvmeof.subsystem.add

Severity

NOTICE

Description

This message occurs when an NVMe-oF subsystem is added.

Corrective Action

(None).

Syslog Message

NVMe-oF subsystem added at address %s.

Parameters

address (STRING): IP address of subsystem.

nvmeof.subsystem.delete

Severity

NOTICE

Description

This message occurs when an NVMe-oF subsystem is deleted.

Corrective Action

(None).

Syslog Message

NVMe-oF subsystem deleted at address %s.

Parameters

address (STRING): IP address of subsystem.

nvmeof.timeout events

nvmeof.timeout

Severity

NOTICE

Description

This message occurs when the NVMeoF driver detects a timeout on a request. There might be a decrease in performance while retrying.

Corrective Action

(None).

Syslog Message

Timeout on subnqn %s, controller ID %d, qpair ID %d, sequence number %d.

Parameters

subnqn (STRING): Subsystem NVMe qualified name.

ctrlr_id (INT): Controller ID.

qpair (INT): Qpair ID.

cid (INT): NVMe-oF CID.

Copyright information

Copyright © 2024 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.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

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.