



nvmeof events

ONTAP EMS reference

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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 over Fabrics subsystem is added.

Corrective Action

(None).

Syslog Message

NVMe-oF subsystem added at address "%s" (port "%s").

Parameters

address (STRING): IP address of subsystem.

port (STRING): ONTAP Ethernet port connected to subsystem.

nvmeof.subsystem.delete

Severity

NOTICE

Description

This message occurs when an NVMe over Fabrics subsystem is deleted.

Corrective Action

(None).

Syslog Message

NVMe-oF subsystem deleted at address "%s" (port "%s").

Parameters

address (STRING): IP address of subsystem.

port (STRING): ONTAP Ethernet port connected to 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.

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