shelf events

ONTAP 9.15.1 EMS reference

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shelf events

shelf.config events

shelf.config.mixed

Severity

NOTICE

Description

This message occurs at system boot time, when a stand-alone system’s storage configuration is a mixture of redundant paths and single paths.

Corrective Action

(None).

Syslog Message

System is using a mixture of single path, multi-path or quad-path storage configurations.

Parameters

(None).

shelf.config.mixedha

Severity

NOTICE

Description

This message occurs at system boot time, when an HA system’s storage configuration is a mixture of redundant paths and single paths.

Corrective Action

(None).

Syslog Message

System is using a mixture of single path, multi-path or quad-path HA storage configurations.

Parameters

(None).

shelf.config.mpha

Severity

INFORMATIONAL

Description

This event is generated at the Filer boot time, when it is a HA configuration and all the storage shelf enclosures accessible by the Filer have redundant paths. This message is for informational purpose only.

Corrective Action

(None).

Syslog Message

All attached storage on the system is multi-pathed HA.

Parameters

(None).

shelf.config.multipath

Severity

INFORMATIONAL

Description

This event is generated at the Filer boot time, when it is a stand alone configuration and all the storage shelf enclosures accessible by the Filer have redundant paths. This message is for informational purpose only.

Corrective Action

(None).

Syslog Message

All attached storage on the system is multi-pathed.

Parameters

(None).

shelf.config.qpha

Severity

NOTICE

Description

This message occurs at system boot time, when an HA system’s storage configuration is quad-path.

Corrective Action

(None).

Syslog Message

System storage is in a quad-path HA configuration.

Parameters

(None).

shelf.config.quadpath

Severity

NOTICE

Description

This message occurs at system boot time, when a stand-alone system’s storage configuration is quad-path.

Corrective Action

(None).

Syslog Message

System storage is in a quad-path configuration.

Parameters

(None).

shelf.config.single

Severity

INFORMATIONAL

Description

This event is generated at the Filer boot time, when it is a stand alone configuration and all the storage shelf enclosures accessible by the Filer have only one active path. This message is for informational purpose only.

Corrective Action

(None).

Syslog Message

System is using single path attached storage only.

Parameters

(None).

shelf.config.spha

Severity

INFORMATIONAL

Description

This event is generated at the Filer boot time, when it is a HA configuration and all the storage shelf enclosures accessible by the Filer have only one active path. This message is for informational purpose only.

Corrective Action

(None).

Syslog Message

System is using single path HA attached storage only.

Parameters

(None).

shelf.config.tomixed

Severity

NOTICE

Description

This message occurs in a stand-alone system when the storage configuration changes from a single-path, multi-path, or quad-path configuration, to a mixed path configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to a mixture of single path, multi-path or quad-path storage configurations.

Parameters

(None).

shelf.config.tomixedha

Severity

NOTICE

Description

This message occurs in an HA system when the storage configuration changes from a single-path HA, multi-path HA, or quad-path HA configuration to a mixed path HA configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to a mixture of single, multi-path or quad-path storage configurations.

Parameters

(None).

shelf.config.tompha

Severity

INFORMATIONAL

Description

This event is generated by the periodic storage health monitor process in a HA Filer configuration, when the Filer storage configuration changes from the single path HA configuration to the multi-path HA configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to multi-path HA attached storage

Parameters

(None).

shelf.config.tomultipath

Severity

INFORMATIONAL

Description

This event is generated by the periodic storage health monitor process in a stand alone Filer configuration, when the Filer storage configuration changes from the single-path configuration to the multi path configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to multi-path attached storage

Parameters

(None).

shelf.config.toqpha

Severity

NOTICE

Description

This message occurs in an HA system when the storage configuration changes to quad-path.

Corrective Action

(None).

Syslog Message

System has transitioned to a quad-path storage configuration.

Parameters

(None).

shelf.config.toquadpath

Severity

NOTICE

Description

This message occurs in a stand-alone system. System has transitioned to a quad-path storage configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to quad-path attached storage

Parameters

(None).

shelf.config.tosingle

Severity

INFORMATIONAL

Description

This event is generated by the periodic storage health monitor process in a stand alone Filer configuration, when the Filer storage configuration changes from the multi-path configuration to the single path configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to single path attached storage

Parameters

(None).

shelf.config.tospha

Severity

INFORMATIONAL

Description

This event is generated by the periodic storage health monitor process in a HA Filer configuration, when the Filer storage configuration changes from the multi-path HA configuration to the single path HA configuration.

Corrective Action

(None).

Syslog Message

System has transitioned to single path HA attached storage

Parameters

(None).

shelf.config.toTripath

Severity

NOTICE

Description

This message occurs when a stand-alone system changes to a tri-path storage configuration.

Corrective Action

(None).

Syslog Message

System transitions to a tri-path storage configuration.

Parameters

(None).

shelf.config.toTripathHA

Severity

NOTICE

Description

This message occurs in a high-availability (HA) system when the storage configuration changes to tri-path.

Corrective Action

(None).

Syslog Message

System transitions to a tri-path HA storage configuration.

Parameters

(None).

shelf.config.tripath

Severity

NOTICE

Description

This message occurs at system boot time, when a stand-alone system’s storage configuration is tri-path.

Corrective Action

(None).

Syslog Message

System storage is in a tri-path configuration.

Parameters

(None).

shelf.config.tripathHA

Severity

NOTICE

Description

This message occurs at system boot time, when a high-availability (HA) system's storage configuration is tri-path.

Corrective Action

(None).

Syslog Message

System storage is in a tri-path HA storage configuration.

Parameters

(None).

shelf.identify events

shelf.identify.start

Severity

INFORMATIONAL

Description

This message occurs when the user turns on the disk shelf's Identify mode.

Corrective Action

(None).

Syslog Message

Disk shelf %s has entered Identify mode (Shelf Attention Code: %s)

Parameters

shelfName (STRING): Disk shelf name.
panelCode (STRING): Code displayed on the disk shelf's 7-segment LED OPS panel.

shelf.identify.stop

Severity

INFORMATIONAL

Description

This message occurs when the user turns off a disk shelf's Identify mode.

Corrective Action

(None).

Syslog Message

Disk shelf %s has exited Identify mode.

Parameters

shelfName (STRING): Disk shelf name.

shelf.io events

shelf.IO.in.progress

Severity

NOTICE

Description

This message occurs when a request cannot be performed because I/O is still in progress.

Corrective Action

(None).

Syslog Message

Could not perform the request; I/O to disk shelf is still in progress.

Parameters

(None).

shelf.module events

shelf.module.configuration.failure

Severity

ERROR

Description

This message occurs when the system cannot complete the configuration of a disk shelf module with the desired parameters.

Corrective Action

Contact NetApp technical support.

Syslog Message

Could not complete the configuration of disk shelf module %s on channels %s, disk shelf ID %d.

Parameters

element (STRING): Disk shelf module designator (A is the upper module, B is the lower module).
channels (STRING): Channels that have the error if local, PARTNER for high-availibility partner, UNUSED if unconnected.
shelfID (INT): Disk shelf ID of the disk shelf.

shelf.module.element.missing

Severity

ALERT

Description

This message occurs when an element is missing, unused, or disconnected.

Corrective Action

Verify that both disk shelf modules are fully seated and locked in place. Also make sure that they are of the same product family.

Syslog Message

Disk shelf module %s is MISSING on channels %s disk shelf ID %d.

Parameters

element (STRING): Disk shelf module designator (A is the upper module, B is the lower module).
channels (STRING): Channels that have the error if local, PARTNER for high-availability partner, UNUSED if unconnected.
shelfID (INT): Disk shelf ID of the disk shelf reporting the error.

shelf.reset events

shelf.reset.counters

Severity

INFORMATIONAL

Description

This message occurs when ONTAP® software resets the error counters on a disk shelf module.

Corrective Action

(None).

Syslog Message

Resetting error counters for module %s in disk shelf %s.%d.

Parameters

element (STRING): Disk shelf module designator (A is the upper module, B is the lower module).
channel (STRING): Channel the disk shelf module is on.
shelfID (INT): ID of the disk shelf the module is in.

shelf.test events

shelf.test.in.progress

Severity

INFORMATIONAL

Description

This message occurs when a TEST request is now in progress.

Corrective Action

(None).

Syslog Message

Test request in progress.

Parameters

(None).

shelf.test.request.error

Severity

ERROR

Description

This message occurs when a TEST request cannot be performed because the disk shelf does not exist.

Corrective Action

Run the test against a shelf that exists.

Syslog Message

Could not perform TEST request; the disk shelf does not exist.

Parameters

(None).

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