



# **shelf events**

## ONTAP 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.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-availability 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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