



shelf events

ONTAP 9.12.1 EMS reference

NetApp
December 14, 2022

Table of Contents

- shelf events 1
- shelf.config events 1
- shelf.identify events 8
- shelf.io events 9
- shelf.module events 9
- shelf.reset events 10
- shelf.test events 10

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-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).

Copyright information

Copyright © 2022 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.