



config events

ONTAP EMS reference

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config events

config.atanotsupported events

config.ATANotSupported

Severity

ERROR

Description

This message occurs when an ATA disk is found, but the appliance does not support it.

Corrective Action

Remove the ATA disks or upgrade your appliance to a model that supports ATA disks. Check your support provider's web site or knowledgebase for more information about appliance models that support ATA disks.

Syslog Message

ATA disks are not supported on this appliance. Disk %s is an ATA disk and should be removed.

Parameters

disk (STRING): Name of the disk.

config.badlocalswitch events

config.BadLocalSwitch

Severity

ALERT

Description

This message occurs when a disk is found to be attached to a switch, but there are also disks attached via local connections. Mixed switch-attached and direct-attached disks are an illegal configuration.

Corrective Action

Correct the cabling so that all disks are attached either directly or through switches. Consult the hardware cabling guides at the NetApp technical support site.

Syslog Message

Disk %s is attached to a switch. However, there are also local attached disks. This is an illegal configuration.

Parameters

disk (STRING): Name of the disk.

config.badpoolassign events

config.BadPoolAssign

Severity

ERROR

Description

This message occurs when SyncMirror® is in use and disks are assigned to different pools on the same interface or loop. This affects the fault isolation of the plexes in mirrored aggregates such that if a single interface fails, both plexes in an aggregate might fail or become degraded. If both plexes of an aggregate fail, the system enters multidisk panic.

Corrective Action

If the disk is a spare disk, use the "storage disk assign -pool [0|1]" command to change the pool assignment of the disks on the interface so that they are assigned to only one pool. If the disk is a file system disk, use the "storage disk replace" command to replace the disk from the incorrect pool with a spare disk from the correct pool.

Syslog Message

Disk %s is in %s and other disks on this loop/domain are in %s. Disks/interfaces need to be in separate pools for SyncMirror.

Parameters

disk (STRING): Name of the disk that fails.
disk_pool (STRING): Name of the pool that the disk is in.
other_pool (STRING): Name of the other pool.

config.badslot events

config.BadSlot

Severity

ALERT

Description

This message occurs when a disk is found to be attached to an invalid Host Adapter (HA) controller slot.

Corrective Action

Consult the NetApp technical support guides for the supported slots for adapters in the hardware platform. If the adapter is in a supported slot, contact NetApp technical support for further assistance.

Syslog Message

Disk %s is attached to an invalid HA slot. This is an illegal configuration.

Parameters

disk (STRING): Name of the disk.

config.badswitchlocal events

config.BadSwitchLocal

Severity

ALERT

Description

This message occurs when a disk is found to be attached locally, but there are also disks attached via switches. Mixed switch-attached and direct-attached disks are an illegal configuration.

Corrective Action

Correct the cabling so that all disks are attached either directly or through switches. Consult the hardware cabling guides at the NetApp technical support site.

Syslog Message

Disk %s is attached locally. However, there are also switch attached disks. This is an illegal configuration.

Parameters

disk (STRING): Name of the disk.

config.bridge.events

config.bridge.adapter.invalid

Severity

ERROR

Description

This message occurs when an FC-to-SAS bridge is attached to an unsupported FC adapter port. Only QLogic® 4-Gb/s or 8-Gb/s adapters are supported.

Corrective Action

Attach the FC-to-SAS bridge to a supported FC adapter port on the controller.

Syslog Message

FC-to-SAS bridge %s S/N [%s] is attached to unsupported FC adapter port %s.

Parameters

bridgeName (STRING): Name of the FC-to-SAS bridge.

bridgeSerialNum (STRING): Serial number of the FC-to-SAS bridge.

adapterName (STRING): Name of the associated FC host bus adapter.

config.bridge.extra.port

Severity

ERROR

Description

This message occurs when both FC ports of an FC-to-SAS bridge are attached to the same controller.

Corrective Action

Follow the defined Fabric or Stretch MetroCluster wiring guide.

Syslog Message

Both FC ports of FC-to-SAS bridge %s S/N [%s] are attached to this controller.

Parameters

bridgeName (STRING): Name of the FC-to-SAS bridge.

bridgeSerialNum (STRING): Serial number of the FC-to-SAS bridge.

config.bridge.fw.mismatch

Severity

ERROR

Description

This message occurs when two or more attached FC-to-SAS bridges are running different firmware revisions.

Corrective Action

For more information about downloading and installing updated firmware, check your support provider's web site or knowledgebase.

Syslog Message

Two or more %s FC-to-SAS bridges are running different firmware revisions.

Parameters

bridgeModel (STRING): Name of the FC-to-SAS bridge model.

config.bridge.SAS.miswired

Severity

ERROR

Description

This message occurs when the SAS disk shelves behind an FC-to-SAS bridge are not wired in the correct order.

Corrective Action

Follow the defined Fabric or Stretch MetroCluster wiring guide.

Syslog Message

The SAS disk shelves behind FC-to-SAS bridge %s S/N [%s] are not correctly wired.

Parameters

bridgeName (STRING): Name of the FC-to-SAS bridge.

bridgeSerialNum (STRING): Serial number of the FC-to-SAS bridge.

config.bridge.SAS2Domain

Severity

ERROR

Description

This message occurs when a disk is multipathed to one SAS domain; that is, both ports of the disk are visible from the same bridge FC port.

Corrective Action

Recable the disk shelf containing the specified disk, so that the two disk ports are in different SAS domains.

Syslog Message

Disk %s is multipathed to the same SAS domain. The two disk ports must be in different SAS domains.

Parameters

disk (STRING): Name of the disk.

config.bridge.unsupp.shelf

Severity

ALERT

Description

This message occurs when an FC-to-SAS bridge discovers a disk shelf that it does not support.

Corrective Action

Verify the bridge firmware is up-to-date with minimum FW rev required for support of this shelf type. If the bridge firmware supports the disk shelf but the error condition persists, remove the disk shelf.

Syslog Message

FC-to-SAS %s bridge with S/N: %s WWN: %s has unsupported %s shelf type attached.

Parameters

bridgeType (STRING): Type of FC-to-SAS bridge.

bridgeSerialNum (STRING): Serial number of the bridge.

bridgeWWN (STRING): World Wide Name of the bridge.

shelfType (STRING): Type of shelf.

config.cfobothabmodule events

config.CFObothABmodule

Severity

ALERT

Description

This message occurs when a disk shelf in a node is cabled for multipathing and the configuration does not support it. Multipathing means that the disk shelf is connected to one node through both disk shelf module A and module B. In HA configurations, multipathing is only supported if software disk ownership is being used and the storage shelf supports it.

Corrective Action

For a standard HA configuration, identify the miscabled disk shelf and attach either module A or module B to the partner node. For a shared storage or multipathed HA, assign disk ownership to the partner node by using the "disk assign" command in Maintenance mode.

Syslog Message

The disk shelf where disk %s resides is connected to this node through both disk shelf module A and module B; one of the modules must be connected to the partner node instead.

Parameters

disk (STRING): Name of the disk that is cabled for multipathing.

config.cfomixedabmodule events

config.CFOmixedABmodule

Severity

ALERT

Description

This message occurs when a disk shelf attached to a node is miscabled so that one disk shelf's module A is connected to the next disk shelf's module B, or vice versa.

Corrective Action

Identify the miscabled disk shelf, and then recable it. For FC shelves, ensure that each disk shelf's module A is connected Output to Input to the next disk shelf's module A, and that the disk shelf's module B is connected Output to Input to the next disk shelf's module B. For SAS shelves, connect the port identified with a circle on disk shelf module A to the port identified with a square on the next disk shelf's module A, and the "circle" port on module B to the next disk shelf's "square" port.

Syslog Message

Host adapter %s has miscabled disk shelves; one disk shelf's module A is connected to the next disk shelf's module B, or vice versa.

Parameters

adapter (STRING): Adapter that the miscabled disk shelf is on.

config.differentswitchport events

config.DifferentSwitchPort

Severity

ALERT

Description

This message occurs when the two ports of the disk are connected to different switch ports.

Corrective Action

(None).

Syslog Message

Disks on port %s:%d are also connected to port %s:%d. They need to be connected via the same port on different switches. This is an illegal configuration.

Parameters

switch1 (STRING): (None).

port1 (INT): (None).

switch2 (STRING): (None).

port2 (INT): (None).

config.diffpool events

config.DiffPool

Severity

ALERT

Description

This message occurs when a disk is found to be multipathed to two different mirroring pools. This configuration is illegal.

Corrective Action

See the NetApp technical support site for guidelines about assigning disks or array LUNs to SyncMirror® pools.

Syslog Message

Disk %s is dual-attached to two separate mirrored pools. This is an illegal configuration.

Parameters

disk (STRING): Name of the disk.

config.disknoswitch events

config.DiskNoSwitch

Severity

ALERT

Description

This message occurs when a disk is found to be attached to a switch, but it's not supported for a switch configuration.

Corrective Action

Ensure that the Disk Qualification Package (DQP) is up-to-date. Visit the NetApp technical support site for information on DQP files and installation. If the error persists for more than 10 minutes after installing an updated DQP file, remove the drive.

Syslog Message

Disk %s is not supported in a switch configuration.

Parameters

disk (STRING): Name of the disk.

config.exceededha events

config.ExceededHA

Severity

ERROR

Description

This message occurs when the number of local attached FC adapters exceeds the maximum allowed.

Corrective Action

(None).

Syslog Message

%d Fibre Channel disk adapters were detected and the maximum allowed is only %d.

Parameters

numHA (INT): (None).

maxHA (INT): (None).

config.fcsameloop events

config.FCSameLoop**Severity**

ERROR

Description

This message occurs when a disk is multipathed to the same Fibre Channel loop.

Corrective Action

Recable the disk shelf containing the specified disk so that it is multipathed to different Fibre Channel loops.

Syslog Message

Disk %s is attached to the same Fibre Channel loop. The disk should be multipathed to different loops.

Parameters

disk (STRING): Name of the disk.

config.habadbank1 events

config.HABadBank1**Severity**

ALERT

Description

This message occurs when a local host adapter is connected to a different switch bank (on ports 8-15) than other adapters on this controller, which are connected to ports 0-7. This is an illegal configuration.

Corrective Action

Connect all of the adapters of this controller to the same bank of switch ports.

Syslog Message

Other local host adapters are connected to Switch bank 1 (ports 0-7). Host adapter %s is connected to Switch bank 2 (ports 8-15). This is an illegal configuration.

Parameters

ha (STRING): Name of the host adapter.

config.habadbank2 events

config.HABadBank2

Severity

ALERT

Description

This message occurs when a local host adapter is connected to a different switch bank (on ports 0-7) than other adapters on this controller, which are connected to ports 8-15. This is an illegal configuration.

Corrective Action

Connect all of the adapters of this controller to the same bank of switch ports.

Syslog Message

Other local host adapters are connected to Switch bank 2 (ports 8-15). Host adapter %s is connected to Switch bank 1 (ports 0-7). This is an illegal configuration.

Parameters

ha (STRING): Name of the host adapter.

config.habadremote events

config.HABadRemote

Severity

ALERT

Description

This message occurs when a remote host adapter is connected to the wrong switch bank.

Corrective Action

Examine the cabling to determine which switch bank the local controller host adapters are attached to (the lower-numbered ports or the higher-numbered ports.) Recable the HA of the remote controller to be in the other bank of switch ports.

Syslog Message

A remote host adapter is connected to the same switch bank as the local host adapters. This is an illegal configuration.

Parameters

(None).

config.invalid events

config.invalid.PortToPort

Severity

ERROR

Description

This message occurs when a SAS (Serial Attached SCSI) port is attached to another SAS port. This is not a valid connection.

Corrective Action

Check and correct the cabling; connecting two SAS ports together in this configuration is not permitted.

Syslog Message

SAS adapter "%s" is attached to another SAS adapter.

Parameters

adapterName (STRING): Name of the associated SAS host bus adapter.

config.localswitch events

config.localswitch

Severity

EMERGENCY

Description

This message occurs when a disk is found attached via both local connection and a switch. This is permitted in debug. The system will be halted in non-debug.

Corrective Action

(None).

Syslog Message

Disk %s is attached via a local connection and a switch. This is an illegal configuration.

Parameters

disk (STRING): Name of the disk.

config.mirroring events

config.mirroring.failure

Severity

ERROR

Description

This message occurs when the name-service configuration is not replicated in the node. The out-of-sync configuration file can impact access during data access attempts.

Corrective Action

Use the "vserver services name-service unix-user load-from-uri" or "vserver services name-service unix-group load-from-uri" command to reload the configuration file. Use the (privilege: advanced) "vserver services name-service unix-user file status" or "vserver services name-service unix-group file status" command to verify that the configuration file was successfully loaded and corresponding database was successfully generated.

Syslog Message

Failed getting the latest %s file for Vserver %s on node %s with error %s.

Parameters

configuration (STRING): Name of the configuration.

vserver_name (STRING): Name of the vserver, for which the configuration was not successfully replicated.

node_name (STRING): Name of the node on which configuration failed to replicate.

error_string (STRING): Error encountered while extracting package.

config.mirrornotmultipath events

config.MirrorNotMultiPath

Severity

ERROR

Description

This message occurs when a disk is not multipathed but synchronous mirroring is enabled.

Corrective Action

Multipath the disk shelf stack by also attaching it to a different host adapter via the other shelf module in each disk shelf in the stack.

Syslog Message

Disk %s and other disks on this loop/domain are not multipathed and should be for synchronous mirroring configuration.

Parameters

disk (STRING): Name of the disk.

config.mirrorscsidisk events

config.MirrorSCSIdisk

Severity

ALERT

Description

This message occurs when a SCSI disk is found in a SyncMirror® configuration.

Corrective Action

Unconfigure SyncMirror on the aggregate that contains the SCSI disk. Configure SyncMirror using aggregates that do not contain SCSI disks.

Syslog Message

Disk %s is a SCSI disk, and is illegal in a SyncMirror configuration.

Parameters

disk (STRING): Name of the SCSI disk that was found.

config.mixedabmodule events

config.mixedABmodule

Severity

ERROR

Description

This message occurs when the disk shelf stack is miscabled so that one disk shelf's module A is connected to the next disk shelf's module B, or vice versa.

Corrective Action

Identify the miscabled disk shelf, and then recable it. For fibre channel shelves, ensure that each disk shelf's module A is connected Output to Input to the next disk shelf's module A, and that the disk shelf's module B is connected Output to Input to the next disk shelf's module B. For SAS shelves, connect the port identified with a circle on disk shelf module A to the port identified with a square on the next disk shelf's module A, and the "circle" port on module B to the next disk shelf's "square" port on disk shelf module B.

Syslog Message

Host adapter %s has miscabled disk shelves; one disk shelf's module A is connected to the next disk shelf's module B, or vice versa. This is not a recommended configuration.

Parameters

adapter (STRING): Name of the adapter on the miscabled disk shelf stack.

config.more2path events

config.More2Path

Severity

ERROR

Description

This message occurs when a disk is found to have more than two connections to the storage controller.

Corrective Action

Remove connections to the disk so there are only two.

Syslog Message

Disk %s and other disks on this loop/domain are attached with more than two connections. Only two connections are supported.

Parameters

disk (STRING): Name of the disk.

config.move events

config.move.fail.lost.lif.address

Severity

ERROR

Description

This message occurs when a logical interface (LIF) migration fails in such a way that there might have been a resulting internal loss of the LIF IP address.

Corrective Action

Use the "network interface modify" command to toggle the LIF's "-status-admin" parameter down and then up. This reinstalls the LIF address in the network stack.

Syslog Message

LIF migration for IP address %s from port %s to port %s failed because of an internal error: %s.

Parameters

address (STRING): LIF IPv4 or IPv6 address being moved.

migrateFromPort (STRING): Name of the migrate-from port.

migrateToPort (STRING): Name of the migrate-to port.

internalError (STRING): Internal error message.

config.multipath events

config.MultiPath

Severity

INFORMATIONAL

Description

This message occurs when the filer configuration is configured for High Availability (HA) multipathing.

Corrective Action

(None).

Syslog Message

(None).

Parameters

(None).

config.noadisk events

config.noAdisk

Severity

ALERT

Description

This message occurs when the local node in an HA configuration is connected to its disk shelves through the shelf B module instead of the shelf A module. In an HA configuration, the local node must be connected to its disk shelves through the shelf A module, and the partner node must be connected to those disk shelves through the shelf B module.

Corrective Action

For a standard HA configuration, identify and connect the local node's disk shelves to the local node using the shelf's module A. Then connect those disk shelves to the partner node using the shelf module B. For a shared storage or multipathed HA, assign disk ownership to the local and partner nodes by using the "disk assign" command in Maintenance mode.

Syslog Message

All disk shelves are attached to the local node through shelf module B. Some of these shelves should be attached via shelf module A.

Parameters

(None).

config.nobconnect events

config.noBconnect

Severity

EMERGENCY

Description

This message occurs when the local node in an HA configuration has no access to its partner node's disk shelves because the partner node's shelves are not connected to the local node through the shelf's module B.

Corrective Action

For an HA configuration that uses software disk ownership, verify that both the local and partner nodes can access the disks.

Syslog Message

The local node cannot access the partner node's disk shelves because the partner node's shelves are not connected to the local node through their shelf module B.

Parameters

(None).

config.noccheck events

config.NoCheck

Severity

NOTICE

Description

This message occurs when the system should be halting, but it cannot because the "no-config-check?" environment variable is set to true.

Corrective Action

(None).

Syslog Message

This is an illegal configuration. However the Filer is not halting due to no-config-check? being set to true.

Parameters

(None).

config.nomultipath events

config.NoMultiPath

Severity

ALERT

Description

This message occurs when a disk is found with multiple paths and it does not support them.

Corrective Action

Remove the second path from the disk shelf.

Syslog Message

Disk %s cannot be multipathed.

Parameters

disk (STRING): Name of the disk that was found.

config.nopartnerdisks events

config.noPartnerDisks

Severity

ERROR

Description

This message occurs in a High-Availability (HA) configuration when there are no partner disks.

Corrective Action

Ensure that both nodes of the HA pair are cabled so they have access to all the disks. Check that the adapter interface to the disk shelves is up using the "storage adapter show" command. Ensure that any switches are correctly zoned for disk visibility by the nodes.

Syslog Message

No disks were detected for the partner; this node cannot perform takeover correctly.

Parameters

(None).

config.nopartnerluns events

config.noPartnerLUNs

Severity

EMERGENCY

Description

This message occurs in a High-Availability (HA) configuration with array LUNS when there is no attachment to both local and partner LUNs.

Corrective Action

Ensure that both nodes of the HA pair are cabled so they have access to all of the LUNs. Check that the adapter interface to the array is up by using the "storage adapter show" command. Ensure that any switches are correctly zoned for LUN visibility by the nodes. Verify that the array or bridge is correctly exporting its LUNs on the proper interface.

Syslog Message

No LUNs were detected for the partner; this node cannot perform takeover correctly.

Parameters

(None).

config.noswitchcount events

config.NoSwitchCount

Severity

NOTICE

Description

This message occurs when an attempt to obtain the switch port count fails because it does not exist.

Corrective Action

(None).

Syslog Message

Unable to obtain switch port count information for attached switches.

Parameters

(None).

config.noswitchcountfordisk events

config.NoSwitchCountForDisk

Severity

NOTICE

Description

This message occurs when an attempt to obtain the switch port count fails because it does not exist.

Corrective Action

(None).

Syslog Message

Unable to obtain switch port count information for disk %s.

Parameters

disk (STRING): Name of the disk.

config.notmultipath events

config.NotMultiPath

Severity

ERROR

Description

This message occurs when a disk is not multipathed.

Corrective Action

Multipath the disk shelf stack by also attaching it to a different host adapter via the other shelf module in each disk shelf in the stack.

Syslog Message

Disk %s and other disks on this loop/domain are not multipathed and should be for improved availability.

Parameters

disk (STRING): Name of the disk.

config.oneswitch events

config.OneSwitch

Severity

ALERT

Description

This message occurs when the disk is only connected to one switch.

Corrective Action

(None).

Syslog Message

Disk %s and other disks on this loop are only connected to one switch. For availability reasons, it should be connected to two separate switches.

Parameters

disk (STRING): name of the disk

config.repl events

config.repl.bypass.disabled

Severity

NOTICE

Description

This message occurs when the configuration replication bypass has been disabled. Configuration replication to any partner clusters will now resume.

Corrective Action

(None).

Syslog Message

The configuration replication bypass has been disabled.

Parameters

(None).

config.repl.bypass.enabled

Severity

NOTICE

Description

This message occurs when the configuration replication bypass has been enabled. Configuration replication to any partner clusters will cease until the bypass is disabled using the 'debug crs replication-bypass disable' command.

Corrective Action

(None).

Syslog Message

The configuration replication bypass has been enabled.

Parameters

(None).

config.sameha events

config.sameHA

Severity

ERROR

Description

This message occurs when a disk is multipathed to the same host adapter. The second disk interface should be attached to a different host adapter.

Corrective Action

Move one of the connections attaching the disk shelf to a different host adapter.

Syslog Message

Disk %s and other disks attached to the same port are dual-attached to the same adapter. For improved availability you should dual-attach them to separate adapters.

Parameters

disk (STRING): Name of the disk.

config.sameslot events

config.sameSlot

Severity

ERROR

Description

This message occurs when a SAS disk is multipathed to host adapters in the same controller slot. The second disk interface should be attached to a host adapter in a different slot.

Corrective Action

Move one of the connections attaching the disk shelf to a host adapter in a different slot.

Syslog Message

Disk %s and other disks attached to the same port are dual-attached to adapters in the same slot . For improved availability you should dual-attach them to adapters in separate slots.

Parameters

disk (STRING): Name of the disk.

config.sameswitch events

config.SameSwitch

Severity

ALERT

Description

This message occurs when both ports of a disk is found to be attached to the same switch.

Corrective Action

(None).

Syslog Message

Disks on port %s:%d are also connected to the same switch at port %s:%d. This is an illegal configuration.

Parameters

switch1 (STRING): name of the switch

port1 (INT): port number of 1st connection.

switch2 (STRING): (None).

port2 (INT): port number of 2nd connection.

config.sameswitchwarn events

config.SameSwitchWarn

Severity

ALERT

Description

This message occurs when both ports of a disk are found to be attached to the same switch. Higher availability is achieved by cabling disk ports to different switches.

Corrective Action

Recable one of the indicated ports to a different switch.

Syslog Message

Disks on port %s:%d are also connected to the same switch at port %s:%d. For availability reasons, they should be connected to two separate switches.

Parameters

switch1 (STRING): Name of the switch.

port1 (INT): Port number of first connection.

switch2 (STRING): (None).

port2 (INT): Port number of second connection.

config.sas2domain events

config.SAS2Domain

Severity

ERROR

Description

This message occurs when a disk is multipathed to one SAS domain; that is, both ports of the disk are visible from the same HBA port.

Corrective Action

Recable the disk shelf containing the specified disk, so that the two disk ports are in different SAS domains.

Syslog Message

Disk %s is multipathed to the same SAS domain. The two disk ports must be in different SAS domains.

Parameters

disk (STRING): Name of the disk.

config.scsidisk events

config.SCSIdisk**Severity**

NOTICE

Description

This message occurs when a SCSI disk is found in a CFO configuration.

Corrective Action

(None).

Syslog Message

Disk %s is a SCSI disk, and is illegal in a Clustered Failover configuration.

Parameters

disk (STRING): Name of the SCSI disk which was found.

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