scsiblade events

ONTAP 9.11.1 EMS reference

NetApp
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Severity

NOTICE

Description

This message occurs when the node loses connectivity with the majority of the cluster and autoheal has been explicitly disabled by the user. When this occurs, both FCP and iSCSI traffic are disabled on this node and require manual intervention to come back into service.

Corrective Action

(None).

Syslog Message

This node lost connectivity with the majority of the cluster. The option "san.autoheal.enable" is "off", so the cluster’s SAN configuration will not automatically recover. Both FCP and iSCSI traffic are disabled on this node.

Parameters

(None).

scsiblade.cache events

scsiblade.cache.commit.fail

Severity

ALERT

Description

This message occurs when the SAN cache encounters an error that might cause configuration inconsistencies within the cluster. SAN data traffic might be interrupted until the problem is addressed.

Corrective Action

Reload the scsi-blade by using the (privilege: diagnostic) "debug san vserver reload" command for all Vservers on this node, or perform a planned takeover/giveback of this node.

Syslog Message

The SAN cache might be inconsistent. SAN data traffic might be interrupted.

Parameters

(None).

scsiblade.disabled events

scsiblade.disabled

Severity

NOTICE

Description

This message occurs when the local node is made ineligible. When this occurs, both FCP and iSCSI traffic are disabled on the local node.

Corrective Action

Modify the node’s eligibility by using the (privilege: advanced) "cluster modify -eligibility true" command.

Syslog Message

The local node is ineligible. FCP and iSCSI access is disabled.

Parameters

(None).

scsiblade.dpa events

scsiblade.dpa.disabled

Severity

NOTICE

Description

This message occurs when the node loses connectivity with the majority of the cluster and the Data Plane Availability feature has been explicitly disabled by the user. When this occurs, both FCP and iSCSI traffic are disabled on this node until connectivity is restored.

Corrective Action

(None).

Syslog Message

This node lost connectivity with the majority of the cluster. The option "san.dpa.enable" is "off", so both FCP and iSCSI traffic are disabled on this node until connectivity is restored.

Parameters

(None).

scsiblade.ha events

scsiblade.ha.partner.dblade.id.retrive.error

Severity

ERROR

Description

Unable to retrive HA Partner DBlade ID.

Corrective Action

No corrective action

Syslog Message

Unable to retrive HA Partner DBlade ID.

Parameters

(None).

scsiblade.illegal events

scsiblade.illegal.xfer.len

Severity

ERROR

Description

This message occurs when an error is returned for a SCSI command that exceeds the LUN's maximum supported transfer length of 1MB.

Corrective Action

This error is due to a problem on the host. Use one of the following recovery actions to address the problem. 1) Rescan the LUNs or reboot the host to enable discovery of the supported maximum transfer length. 2) Disable the host application that is causing the problem. 3) Report the bug to the host operating system or application provider.

Syslog Message

Returned Illegal Request response to host type %s for command opcode 0x%x with a transfer length of %lld bytes on LUN %s.

Parameters

host_os_type (STRING): Host OS type.
opcode (INT): SCSI opcode.
length (LONGINT): Request transfer length.
LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.import events

scsiblade.import.attr.mod

Severity

ERROR

Description

This message occurs when attributes of a SAN LUN under LUN import are modified. This is not a supported operation and the LUN import session needs to be deleted and re-created.

Corrective Action

Run the "lun import delete" and "lun import create" commands to re-create the import session.

Syslog Message

Attributes of the following SAN LUN under LUN import are modified: Vserver %s, volume with MSID %llu, LUN serial number %s, LUN UUID %s. This is not a supported operation and the LUN import session needs to be deleted and re-created.

Parameters

vserver (STRING): Name or UUID of the Vserver.
volumeMSID (LONGINT): MSID of the container volume.
LUN_Serial (STRING): LUN serial number.
LUN_UUID (STRING): LUN UUID.

scsiblade.import.dblade.fail

Severity

ERROR

Description

This message occurs when a SAN LUN import failover event fails for a Vserver during takeover or giveback. Some LUN import sessions configured on the Vserver will be affected. The failed LUN import sessions might not progress until a planned takeover or giveback is performed.

Corrective Action

Perform a planned takeover or giveback.

Syslog Message

SAN LUN import failover event failed for Vserver %s. Some LUN import sessions configured on the Vserver will be affected and will be in a failed state.

Parameters

vserver (STRING): Name or UUID of the Vserver.

scsiblade.import.lun.offline

Severity

ERROR

Description

This message occurs when a LUN currently being imported is brought offline by Data ONTAP ® because of an I/O failure on the foreign disk. The issue is either that data cannot be read from or written to the source (foreign LUN), or that there is an internal error.

Corrective Action

Verify the connectivity to the foreign disk. After resolving any connectivity issues, delete the LUN import and create it again.

Syslog Message

LUN %s in volume with MSID %llu on Vserver %s has been brought offline due to an I/O failure on the underlying foreign disk with serial number %s.

Parameters

lunSerial (STRING): Serial number of the LUN.
volumeMSID (LONGINT): MSID of the volume.

vserver (STRING): Name or UUID of the Vserver.
foreignDiskSlNo (STRING): Serial number of the foreign disk.

scsiblade.import.volume.fail

Severity

ERROR

Description

This message occurs when a SAN LUN import failover event fails for a volume during takeover or giveback. All LUN import sessions configured in this volume are affected. The failed LUN import sessions might not progress until a planned takeover or giveback is performed.

Corrective Action

Perform a planned takeover or giveback.

Syslog Message

SAN LUN import failover event failed for Vserver %s, volume with MSID %llu. Some LUN import sessions configured on the volume will be affected and will be in a failed state.

Parameters

vserver (STRING): Name of the Vserver.
volumeMSID (LONGINT): MSID of the volume.

scsiblade.init events

scsiblade.init.abort

Severity

ALERT

Description

This message occurs when the specified Vserver initialization was skipped due to a user-initiated abort. Giveback was allowed to succeed—in a degraded state—to allow further recovery. LUNs in the Vserver might not be accessible or might not be accessible on all paths.

Corrective Action

Resolve the previously identified fault for which the abort was issued, and then restart SAN initialization on the node by using the "debug san node restart-vserver-initialization" command.

Syslog Message

Vserver "%s" was not initialized due to a user-initiated abort request. SAN service for this Vserver might be degraded or unavailable on this node.

Parameters

vserver (STRING): Name of the Vserver.

scsiblade.init.failure

Severity

ALERT

Description

This message occurs when there is a problem initializing the SAN Kernel Agent for one or more Vservers. LUNs in the affected Vserver(s) might not be accessible or might not be accessible via all paths.

Corrective Action

Perform a planned takeover of the node with the failure followed by a giveback.

Syslog Message

There was a problem initializing the SAN Kernel Agent for one or more Vservers. Vserver: %s. Reason: %s.

Parameters

vserver (STRING): Name of the Vserver for which the SAN Kernel Agent failed to initialize.
error (STRING): Error encountered while initializing the SAN Kernel Agent for the Vserver.

scsiblade.invalid events

scsiblade.invalid.xfer.len

Severity

NOTICE

Description

This message occurs when a SCSI command requests a transfer length greater than the LUN's maximum supported transfer length of 1MB. ONTAP® software completes the command normally but the host has sent this request in violation of the SCSI protocol.

Corrective Action

Rescan the LUNs or reboot the host to enable discovery of the supported maximum transfer length for the LUN.

Syslog Message

Host type %s sent command opcode 0x%x with a transfer length of %lld bytes, which exceeds the maximum of 1MB on LUN %s.

Parameters

host_os_type (STRING): Host OS type.
opcode (INT): SCSI opcode.
length (LONGINT): Request transfer length.
LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.isolated events

scsiblade.isolated

Severity

ERROR

Description

This message occurs when the node loses connectivity with the majority of the cluster. When this occurs, both FCP and iSCSI traffic are isolated to local access only. Remote cluster traffic is impacted. After connectivity is restored, the node automatically recovers and allows remote FCP and iSCSI access.

Corrective Action

Correct the issue that caused the node to lose connectivity with the majority of the cluster. After the issue is corrected, remote service is restored.

Syslog Message

This node lost connectivity with the majority of the cluster. When this occurs, both FCP and iSCSI traffic are isolated to local access only. Remote cluster traffic will be impacted until connectivity is restored.

Parameters

(None).

scsiblade.kernel events

scsiblade.kernel.volume.limbo.group

Severity

EMERGENCY

Description

This message occurs when the kernel cluster group for the specified volume is in an indeterminate state.

Corrective Action

Contact NetApp technical support. For further information about correcting the problem, see the knowledgebase article 2017368.

Syslog Message

The kernel cluster group for volume MSID 0x%llx of Vserver %s is in an indeterminate state. This will impact SAN management and configuration. Additionally, LUNs might not be accessible on this volume from this node.

Parameters

volume (LONGINTHEX): Volume identifier.
vserver (STRING): UUID of the Vserver.

scsiblade.kernel.vserver.limbo.group

Severity

EMERGENCY

Description

This message occurs when the kernel cluster group for the specified Vserver is in an indeterminate state.

Corrective Action

Contact NetApp technical support. For further information about correcting the problem, see the Knowledgebase article 2017367.

Syslog Message

The kernel cluster group for Vserver %s is in an indeterminate state. This will impact SAN management and configuration. Additionally, LUNs might not be accessible on this Vserver from this node.

Parameters

vserver (STRING): UUID of the Vserver.

scsiblade.lif events

scsiblade.lif.init.fail

Severity

ERROR

Description

This message occurs when the SAN LIF fails to be configured during Vserver initialization. The affected SAN LIF cannot serve data until the issue is resolved.

Corrective Action

Delete and re-create the network interface by using the "network interface delete -vserver [vserver] -lif [lif-name]" command, and then the "network interface create -vserver [vserver] -lif [lif-name]" command. You can find the configuration information required to create the network interface (data-protocol, home-node, port, etc.) by using the "network interface show -vserver [vserver] -lif [lif-name]" command. If the problem persists, contact NetApp technical support for further assistance.

Syslog Message

Vserver %s network interface %s type %s could not be initialized (error %u:%u).

Parameters

vserver (STRING): Name of the Vserver.
lif (STRING): Name of the network interface (LIF).
liftype (STRING): Type of network interface (LIF).
errortype (INT): Error type.
error (INT): Error.

scsiblade.lif.init.timeout

Severity

NOTICE

Description

This message occurs when Vserver initialization finishes, and some volumes are partially initialized. This can happen when nodes are out of quorum. When the initialization timer expires, LIFs in the Vserver are brought online regardless of whether volume initialization is complete.

Corrective Action

(None).

Syslog Message

Delayed LIF initialization timer expired for Vserver "%s".

Parameters

vserver (STRING): Name of the Vserver.

scsiblade.lu events

scsiblade.lu.gir.end

Severity

INFORMATIONAL

Description

This message occurs when this node completes a group internal rebuild for an LU.

Corrective Action

(None).

Syslog Message

Group internal rebuild complete for LUN %s on this node.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.lu.gir.hung

Severity

NOTICE

Description

This message occurs when group internal rebuild for an LUN hangs on this node

Corrective Action

(None).

Syslog Message

Group internal rebuild hung for LUN %s on this node.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.lu.gir.start

Severity

INFORMATIONAL

Description

This message occurs when the distributed LUN group commences an internal rebuild.

Corrective Action

(None).

Syslog Message

Group internal rebuild has started for LUN %s on this node.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.lu.incons.memb

Severity

ALERT

Description

This message occurs when the SCSI target identifies a node that has an incorrect view of the group membership for a LUN. The LUN will be unavailable on this node and will have sporadic availability on other nodes.

Corrective Action

To recover from this condition in HA pair configurations, take over the node with the problem by using the "storage failover takeover" command, and then give back the node by using the "storage failover giveback" command. To recover from this condition in non-HA configurations, reboot the nodes having this condition by using the "system node reboot" command.

Syslog Message

LUN %s on node %s has an incorrect group membership list. Perform a takeover followed by a giveback of this faulty node.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.
nodeName (STRING): Name of the node that has an incorrect view of the group.

scsiblade.lu.int.rst.hung

Severity

ALERT

Description

This message occurs when the SCSI target cannot complete an internal reset of a LUN. This LUN is unavailable until the nodes that could not complete the internal reset are taken over and given back.

Corrective Action

To recover from this condition in HA pair configurations, take over the node with the problem by using the "storage failover takeover" command, and then give back the node by using the "storage failover giveback" command. To recover from this condition in non-HA configurations, reboot the nodes having this condition by using the "system node reboot" command.

Syslog Message

Access to LUN %s is restricted because an internal reset of the LUN was not completed in %d milliseconds. Perform a takeover followed by a giveback for the following nodes: %s.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.
lu_int_rst_hung_time (INT): Duration of the internal reset attempt in milliseconds.

nodeName (STRING): Names of the nodes on which the internal reset of the LUN was not completed.

scsiblade.lu.int.rst.pending

Severity

NOTICE

Description

This message occurs when the SCSI target cannot complete an internal reset of a LUN in 90 seconds. Internal reset is still pending, waiting for internal reset completion within 10 minutes.

Corrective Action

(None).

Syslog Message

Access to LUN %s is restricted because an internal reset of the LUN was not completed in %d milliseconds. Internal reset of the LUN is still pending.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.
lu_int_rst_pending_time (INT): Duration of the internal reset attempt in milliseconds.
nodeName (STRING): Names of the nodes on which the internal reset of the LUN was not completed.

scsiblade.lu.resync.end

Severity

NOTICE

Description

This message occurs when the SCSI target internal resynchronization of a LUN is complete.

Corrective Action

(None).

Syslog Message

Resynchronization of LUN %s on this node was completed successfully.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.lu.resync.start

Severity

NOTICE

Description

This message occurs when the SCSI target internal resynchronization of a LUN starts. The LUN is not accessible on LIFs on this node during the resynchronization, but the LUN will recover automatically.

Corrective Action

(None).

Syslog Message

Resynchronization of LUN %s has started. The LUN is not accessible on LIFs on this node until resynchronization is complete and the LUN recovers automatically.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.lu.resync.timeout

Severity

ALERT

Description

This message occurs when the SCSI target internal resynchronization of a LUN times out. This LUN is not accessible on this node.

Corrective Action

To recover from this condition in HA pair configurations, take over the node with the problem by using the "storage failover takeover" command, and then give back the node by using the "storage failover giveback" command. To recover from this condition in non-HA configurations, reboot the nodes having this condition by using the "system node reboot" command.

Syslog Message

Resynchronization of LUN %s on node %s was not completed in %d seconds. LUN is not accessible on LIFs on this node. Perform a takeover followed by a giveback of this node.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.
nodeName (STRING): Name of the node where resynchronization of the LUN was not completed.
resync_time_out_time (INT): Duration of the resynchronization attempt in seconds.

scsiblade.lu.rtpg.lifs

Severity

ERROR

Description

This message occurs when the SCSI Target processes the RTPG command and the number of LIFs per Vserver exceeds 700.

Corrective Action

Reduce the number of LIFS per Vserver to under 700.

Syslog Message

The Vserver hosting LUN %s has %d LIFs. RTPG command expects the number of LIFs per Vserver to be below 700.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.
num_lifs (INT): Number of LIFs on this Vserver.

scsiblade.lun events

scsiblade.lun.ids.change

Severity

ERROR

Description

This message occurs when the system detects a change in identifiers (serial number, UUID, device ID) of a LUN. As a result, SAN hosts might see the previous identifiers of the LUN. Other LUNs on specified volume are also affected. This can occur due to incomplete processing of a 'snapmirror break' operation for the volume containing this LUN. It can also occur due to the command 'lun rescan' having been issued without following up with bringing the volume offline and then bringing it online.

Corrective Action

If the LUN is in a mirrored volume and wafliron has been run on the aggregate containing the volume, issue the command 'lun rescan -oovc-to-vol'. Otherwise, bring the volume offline and then online.

Syslog Message

A change in identifiers of a LUN in Vserver %s and volume with MSID %llu has been detected. The previous and new serial numbers are '%s', '%s'. The previous and new UUIDs are '%s', '%s'. The previous and new device text IDs are '%s', '%s'. The previous and new device binary IDs are '%s', '%s'. Other LUNs on this volume are also affected.

Parameters

vserver (STRING): Name or UUID of the Vserver.
volumeMSID (LONGINT): MSID of the container volume.
prevSerial (STRING): Previous LUN serial number.
newSerial (STRING): New LUN serial number.
prevUUID (STRING): Previous LUN UUID.
newUUID (STRING): New LUN UUID.
prevDevTextID (STRING): Previous LUN Device Text ID.
newDevTextID (STRING): New LUN Device Text ID.
prevDevBinID (STRING): Previous LUN Device Binary ID.
newDevBinID (STRING): New LUN Device Binary ID.

scsiblade.lun.move.error

Severity

ERROR

Description

This message occurs when the result status message of a LUN move job is lost. The LUN move job will not complete until this message is received, even if the LUN has been moved.

Corrective Action

Use the 'lun move show' command to see if the affected job is still running. If it is, then find the affected LUN path by finding the other EMS entries with the same job UUID and file ID. Once the affected LUN has been found, then offlining and onlining the destination volume to which the LUN is being moved will make the On Demand job manager retry the operation. If the success status is 1 then all lun maps and QoS entries were successfully updated, otherwise they were not. For further assistance, contact NetApp technical support.

Syslog Message

This message occurs when the result status %d of a LUN move job %s for file ID %llu is lost.

Parameters

Success (INT): Success status contained in the lost message.
OnDemandUUID (STRING): UUID of the On Demand job.
OnDemandIndex (LONGINT): Index of File in the On Demand Job.

scsiblade.lun.move.fail

Severity

ERROR

Description

This message occurs when a commit operation fails while updating LUN maps during a LUN move operation. The LUN move fails if this occurs.

Corrective Action

Use the provided reason to help determine the corrective action, and then retry the command. For further assistance, contact NetApp technical support.

Syslog Message

This message occurs when the RDB update fails for lun move job %s-%llu. Failure reason: %s.

Parameters

OnDemandUUID (STRING): UUID of the On Demand job.
OnDemandIndex (LONGINT): Index of File in the On Demand job.
Reason (STRING): Reason for the failure.

scsiblade.lun.offline.system

Severity

ERROR

Description

This message occurs when a LUN is brought offline by Data ONTAP ® because of a write failure caused by lack of space in the volume.

Corrective Action

Add space to the volume and bring the LUN online using the "LUN modify" command.

Syslog Message

LUN %s in volume with MSID %llu on Vserver %s has been brought offline due to lack of space in the volume.

Parameters

lunSerial (STRING): Serial number of the LUN.
volumeMSID (LONGINT): MSID of the volume.
vserver (STRING): Name or UUID of the Vserver.

scsiblade.lun.stale.map

Severity

ERROR

Description

This message occurs when a LUN or NVMe namespace attributes lookup operation fails because the LUN Vdisk ID or NVMe namespace NSID is not known to Vdisk Operations and Management. This results in degraded switchover, switchback, and Vserver initialization times.

Corrective Action

Verify that the volume is online by using the "volume show -vserver [vserver name] -volume [volume name] -fields state" command. If necessary, bring the volume online by using the "volume online -vserver [vserver name] -volume [volume name]" command. If you cannot find the volume or the problem persists, contact NetApp technical support for assistance with the diagnostic privilege commands to view and remove stale maps.

Syslog Message

Could not look up LUN or NVMe namespace attributes for the object with ID '%s' in volume with MSID '%llu' in Vserver '%s'.

Parameters

vdiskId (STRING): Vdisk ID of the LUN or NSID of the NVMe namespace.
volume (LONGINTHEX): Volume identifier.
vserver (STRING): UUID of the Vserver that hosts the LUN or NVMe namespace.

scsiblade.lun.state.invalid

Severity

ERROR

Description

This message occurs when a LUN map operation fails because the state of the LUN in the SAN cache is incorrect.

Corrective Action

Shut down the node and retry mapping the LUN by issuing the ZAPI/CLI command to one of the other nodes in the cluster. Reboot the node once the LUN has been successfully mapped.

Syslog Message

The LUN with Vdisk ID %s on Vserver "%s" cannot be mapped because its state in the SAN cache is incorrect.

Parameters

vdiskId (STRING): Vdisk ID of the LUN.
vserver (STRING): UUID of the Vserver that hosts the LUN.

scsiblade.mapped events

scsiblade.mapped.ns.attr.mod

Severity

ERROR

Description

This message occurs when a mapped NVMe namespace attribute changes as a result of a management operation. Changes in NVMe namespace attributes like size, state, or OS type, are not supported in this release.

Corrective Action

Remove the namespace map using "vserver nvme subsystem map remove" command, then reapply it with the "vserver nvme subsystem map add" command.

Syslog Message

The Namespace attributes of the Namespace with Vdisk ID '%s' in volume with MSID '%llu' in Vserver '%s' changed.

Parameters

vdiskId (STRING): Vdisk ID of the LUN.
volume (LONGINTHEX): Volume identifier.
vserver (STRING): UUID of the Vserver that hosts the LUN.

scsiblade.mgmt events

scsiblade.mgmt.evt.lost.mem

Severity

ERROR

Description

This message occurs when a SAN management event is lost because the system could not allocate enough free memory. Access to LUNs within the Vserver might be affected. The corresponding Vserver might not be available to process any other management changes and events until the node is rebooted to clear this error condition.

Corrective Action

Perform a planned takeover and giveback.

Syslog Message

A SAN management event was lost because of lack of available memory. Vserver %s might not be available to process additional SAN management commands and events. Access to LUNs within the Vserver might be affected.

Parameters

vserver (STRING): Name or UUID of the Vserver.

scsiblade.mgmt.locked

Severity

NOTICE

Description

This message occurs when there is a connectivity loss within the cluster. The SAN configuration is locked and commands to change the SAN configuration are rejected.

Corrective Action

(None).

Syslog Message

One or more cluster nodes have lost connectivity. The SAN configuration will remain locked and reject any commands to change the configuration until connectivity is restored.

Parameters

(None).

scsiblade.mgmt.unlocked

Severity

NOTICE

Description

This message occurs when connectivity to all cluster nodes is established. The SAN configuration is unlocked and commands to change the SAN configuration are allowed.

Corrective Action

(None).

Syslog Message

Connectivity to all cluster nodes is available. The SAN configuration is unlocked and can be modified.

Parameters

(None).

scsiblade.mgmt.wedged

Severity

EMERGENCY

Description

This message occurs when the SAN management plane encounters an error that prevents further SAN management commands from being processed.

Corrective Action

Contact NetApp technical support.

Syslog Message

SAN management has encountered an error and SAN configuration changes on this node and other nodes in the cluster will fail with timeout errors until corrected.

Parameters

(None).

scsiblade.object events

scsiblade.object.out.of.sync

Severity

ERROR

Description

This message occurs when a SAN management event receives a timeout error due to network congestion in the system and all efforts of recovery fail. The specific SAN object for which the management event is intended will be out of sync and will have different values in cache and in persistent store. Access to LUNs within the Vserver might be affected.

Corrective Action

Contact NetApp technical support. For further information about correcting the problem, see the knowledgebase article 2017369.

Syslog Message

A SAN management event received a timeout error due to network congestion. Management event %llu on Vserver %s left the SAN object's cache copy out of sync with information in the persistent store. Access to LUNs within the Vserver might be affected.

Parameters

opcode (LONGINT): Operation code.
vserver (STRING): Name or UUID of the Vserver.

scsiblade.offline events

scsiblade.offline

Severity

ERROR

Description

This message occurs when the node loses connectivity with the majority of the cluster. When this occurs, both FCP and iSCSI traffic are disabled on this node. Remote cluster traffic is impacted. After connectivity is restored, the node automatically recovers and enables FCP and iSCSI services.

Corrective Action

Correct the issue that caused the node to lose connectivity with the majority of the cluster. After the issue is corrected, service is restored.

Syslog Message

This node lost connectivity with the majority of the cluster. When this occurs, both FCP and iSCSI traffic are disabled on this node.

Parameters

(None).

scsiblade.online events

scsiblade.online

Severity

NOTICE

Description

This message occurs when the node completes initialization of the SAN configuration cache. FCP and iSCSI traffic are enabled on this node.

Corrective Action

(None).

Syslog Message

This node has completed initialization of the SAN configuration cache. FCP and iSCSI traffic are enabled on this node.

Parameters

(None).

scsiblade.pport events

scsiblade.pport.bsh.cancel.timeout

Severity

NOTICE

Description

PPorts LIF migration started before BSH cancel completed.

Corrective Action

No corrective action

Syslog Message

PPorts LIF migration started before BSH cancel API completed.

Parameters

(None).

scsiblade.pport.fcp.dbo.err

Severity

ERROR

Description

This message occurs during a nondisruptive operation such as takeover or giveback, when the persistent port feature is not functioning due to configuration errors.

Corrective Action

Collect the system logs, and then contact NetApp technical support. Support needs to see the system logs to determine the appropriate corrective action.

Syslog Message

FCP LIF "%s" persistence in Vserver "%s" could not be enabled. Error %u/%u: %s.

Parameters

lif (STRING): Name of the network interface (LIF).
vserver (STRING): Name of the Vserver.
errortype (INT): Error type.
error (INT): Error code.
errorDecString (STRING): Error description string.

scsiblade.pport.fcp.init.err

Severity

ERROR

Description

This message occurs when the persistent port object for a SAN FCP network interface (LIF) fails to be configured during a LIF create operation. LIF persistence will not function during nondisruptive operations like takeover and giveback until the issue is resolved.

Corrective Action

Collect the system logs, and then contact NetApp technical support. Support needs to see the system logs to determine the appropriate corrective action.

Syslog Message

FCP LIF "%s" persistence in Vserver "%s" failed to initialize. Error %u/%u: %s.

Parameters

lif (STRING): Name of the FCP network interface (LIF).
vserver (STRING): Name of the Vserver.
errortype (INT): Error type.
error (INT): Error code.
errorDecString (STRING): Error description string.

scsiblade.prop events

scsiblade.prop.done.error

Severity

EMERGENCY

Description

This message occurs when a CTRAN "proposal done" message is not received. The SAN management plane is inoperative for the Vserver until the corrective action is taken.

Corrective Action

For further information about correcting the problem, search the knowledgebase of the NetApp technical support support web site for the "scsiblade.prop.done.error" keyword.

Syslog Message

An internal error occurred in a %s group (MSID: %llu). The Vserver %s will not be able to process any management commands.

Parameters

groupType (STRING): CTRAN group type.
volumeMSID (LONGINT): MSID of the volume in case the CTRAN group type is "volume"; otherwise, 0.
vserver (STRING): Name or UUID of the Vserver.

scsiblade.qosvioldetectregfail events

scsiblade.QoSViolDetectRegFail

Severity

ERROR

Description

This message occurs when the Quality-of-Service (QoS) subsystem fails to register for updates during initialization due to an internal error (e.g. there is not enough system memory available). As a result, workloads might not meet their minimum throughput or their service-level objectives (SLOs).

Corrective Action

The registration will continue to be retried. If this message continues to occur, perform a planned takeover/giveback sequence to reset the reporting node nondisruptively by using the "takeover -ofnode (reporting_node)" and "giveback -ofnode (reporting_node)" commands. If the problem persists, contact Contact NetApp technical support.

Syslog Message

Failed to register for violation detection updates. QoS min-throughput might operate in a limited capacity.

Parameters

errorCode (INT): Error code that was returned during registration.

scsiblade.reloading events

scsiblade.reloading

Severity

NOTICE

Description

This message occurs when the local node is recovering from a connectivity loss by purging and reloading

the SAN configuration cache. When this occurs, both FCP and iSCSI traffic are temporarily disabled until the reload is complete.

Corrective Action

(None).

Syslog Message

This node is reloading the SAN configuration cache to recover from a loss of connectivity. While reloading, both FCP and iSCSI services are disabled. When the reload is complete, both services are automatically re-enabled.

Parameters

(None).

scsiblade.san events

scsiblade.san.config.active

Severity

NOTICE

Description

This message occurs when the SAN active-active state has changed.

Corrective Action

(None).

Syslog Message

The symmetric active-active state is %s on %lld LUNs.

Parameters

state (STRING): Active-active state.
num_luns (INT): Number of LUNs.

scsiblade.san.ssm.lu.degraded

Severity

ALERT

Description

This message occurs when a LUN is marked as degraded due to a SnapMirror® Automated Failover relationship going out of sync. The LUN is no longer accessible from the host.

Corrective Action

Restore LUN access to the host by using the "snapmirror resync" command to bring the out-of-sync relationship back in sync. For assistance, contact NetApp Support.

Syslog Message

LUN %s was marked as degraded due to a SnapMirror Automated Failover relationship going out of sync.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.san.ssm.lu.online

Severity

NOTICE

Description

This message occurs when a LUN is back online and might be accessible again from the host.

Corrective Action

If the host still can’t access the LUN even though the LUN is back online, perform a host-side rescan operation or a reboot to enable the host to access the LUN.

Syslog Message

LUN %s is back online.

Parameters

LUNSerialNumber (STRING): Serial number of the LUN.

scsiblade.tiered events

scsiblade.tiered.lun.offline

Severity

ERROR

Description

This message occurs when a LUN is brought offline by Data ONTAP ® because of too many consecutive failures to access object storage or no response from object storage.

Corrective Action

Bring object storage online and bring the LUN online using the "LUN modify" command.

Syslog Message

LUN %s in volume with MSID %llu on Vserver %s has been brought offline due to too many consecutive failed attempts to access object storage or no response from object storage.

Parameters

lunSerial (STRING): Serial number of the LUN.
volumeMSID (LONGINT): MSID of the volume.
vserver (STRING): Name or UUID of the Vserver.

scsiblade.unavailable events

scsiblade.unavailable

Severity

EMERGENCY

Description

This message occurs when the node loses connectivity with the majority of the cluster and is unable to recover automatically. When this occurs, both FCP and iSCSI traffic are disabled on this node and require manual intervention to come back into service.

Corrective Action

Reboot the node, and if the node is waiting for giveback, perform a giveback operation.

Syslog Message

This node lost connectivity with the majority of the cluster. When this occurs, both FCP and iSCSI traffic are disabled and will remain disabled on this node until corrective actions are taken.

Parameters

(None).

scsiblade.vol events

scsiblade.vol.init.failed

Severity

EMERGENCY

Description

This message occurs when SAN initialization fails for the specified volume on this node. Access to LUNs contained in this volume from this node is not available.

Corrective Action

Reboot the node by performing a planned takeover and giveback.

Syslog Message

SAN configuration in Vserver %s failed to initialize for volume with MSID %llu. Access to LUNs contained in this volume from this node is not available.

Parameters

vserver (STRING): Name or UUID of the Vserver.
volumeMSID (LONGINT): MSID of the volume.
errorType (LONGINT): Error type.
errorCode (LONGINT): Error code.

scsiblade.vol.lun.stale.map

Severity

ERROR

Description

This message occurs when a volume lookup operation fails because the volume is not found. This is an indication that there might be stale LUN maps associated with the volume.

Corrective Action

Contact NetApp technical support for assistance with the (privilege: diag) "lun stale-map" commands.

Syslog Message

Could not lookup the volume with MSID '%llu' in Vserver '%s'. This is an indication that there might be stale lun maps associated with the volume.

Parameters

volume (LONGINTHEX): Volume identifier.
vserver (STRING): Name or UUID of the Vserver.

scsiblade.volume events

scsiblade.volume.event.lost

Severity

EMERGENCY

Description

This message occurs when LUNs in the specified Vserver and volume are not accessible on one or more SAN LIFs. Determine the volume name from an MSID by using the "volume show -vserver [vserver name] -msid [id]" command.

Corrective Action

The corrective action for this error must be determined from system logs. For more information or assistance, contact NetApp technical support.

Syslog Message

Access to LUNs in volume with MSID %llu on Vserver %s has been lost through one or more paths.

Parameters

volume (LONGINTHEX): Volume identifier (MSID).
vserver (STRING): Name or UUID of the Vserver.

scsiblade.vs events

scsiblade.vs.purge.fail

Severity

EMERGENCY

Description

This message occurs when the local node fails to purge the SAN configuration cache for a Vserver. Manual intervention is required to allow reinitialization of the specified Vserver.

Corrective Action

Reboot the node, and if the node is waiting for giveback, perform a giveback operation.

Syslog Message

The local node failed to purge the SAN configuration cache for Vserver %s.

Parameters

vserver (STRING): Name or UUID of the Vserver.

scsiblade.vserver events

scsiblade.vserver.op.timeout

Severity

EMERGENCY

Description

This message occurs when a command or other internal operation becomes blocked within Data ONTAP®. When this situation occurs, the corresponding Vserver cannot handle any other management changes for SAN until this condition is resolved. Also, the command that timed out might not have been completed, limiting access to LUNs within the Vserver.

Corrective Action

For further information about correcting the problem, search the knowledgebase of the NetApp technical support support web site for the "scsiblade.vserver.op.timeout" keyword.

Syslog Message

A Vserver internal operation (0x%08x) has timed out. Vserver %s might not be available to process additional SAN management commands and events.

Parameters

operation (LONGINT): Operation code.
vserver (STRING): Name or UUID of the Vserver.

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