mgmtgwd events

ONTAP EMS reference

NetApp
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mgmtgwd.bootmedia events

mgmtgwd.bootmedia.low.space

Severity

EMERGENCY

Description

This message occurs when the system detects that the boot media is dangerously low on space. The node is not fully operational. Data logical interfaces (LIFs) might have failed over within the cluster, so NFS and CIFS access is limited on this node. Administrative capability is limited to local recovery procedures for this node to make space available on the boot media.

Corrective Action

Contact NetApp technical support for assistance to make space available on the boot media by deleting old Snapshot copies or unnecessary files. After space is available, controller needs to be rebooted.

Syslog Message

The boot media on node "%s" is dangerously low on space. Less than %d MB of free space remaining.

Parameters

node (STRING): Node on which the boot media is mounted is low on space.
threshold_in_mb (INT): Threshold, in MB, that is being used to compare against the boot media's available space.

mgmtgwd.certificate events

mgmtgwd.certificate.expired

Severity

ERROR

Description

This message occurs when a digital certificate for a Vserver expires. Client-server communication is not secure.

Corrective Action

Install a new digital certificate on the system using the 'security certificate create' or 'security certificate install' command.

Syslog Message

A digital certificate with Fully Qualified Domain Name (FQDN) %s, Serial Number %s, Certificate Authority '%s' and type %s for Vserver %s has expired.

Parameters

common_name (STRING): Name of the Fully Qualified Domain Name(FQDN) whose digital certificate expired.
serial_number (STRING): Serial Number of the digital certificate.

certificate_authority (STRING): Name of the Certificate Authority.
type (STRING): Type of the digital certificate.
vserver (STRING): Name of the Vserver.

mgmtgwd.certificate.expiring

Severity

ERROR

Description

This message occurs when a digital certificate for a Vserver is about to expire. Client-server communication will not be secure if the certificate expires.

Corrective Action

Install a new digital certificate on the system using the 'security certificate create' or 'security certificate install' command.

Syslog Message

A digital certificate with Fully Qualified Domain Name (FQDN) %s, Serial Number %s, Certificate Authority '%s' and type %s for Vserver %s will expire in the next %d day(s).

Parameters

common_name (STRING): Name of the Fully Qualified Domain Name(FQDN) whose digital certificate is about to expire.
serial_number (STRING): Serial Number of the digital certificate.
certificate_authority (STRING): Name of the Certificate Authority whose digital certificate is about to expire.
type (STRING): Type of the digital certificate.
vserver (STRING): Name of the Vserver.
days (LONGINT): Number of days remaining until the certificate expires.

mgmtgwd.certificate.switch

Severity

ALERT

Description

This message occurs when the user installed certificates of the service processor API service become invalid and are subsequently replaced with internal certificates.

Corrective Action

Install new digital certificates on the system using the "security certificate create" or "security certificate install" command and enable them using "system service-processor api-service enable-installed-certificates" command.

Syslog Message

User installed certificates of the service processor API service are replaced with internal certificates.

Parameters

(None).

mgmtgwd.configbr events

mgmtgwd.configbr.backupCompleted

Deprecated

This event was replaced by configbr.backupCompleted.

Severity

NOTICE

Description

This message occurs when a scheduled configuration backup is successfully created.

Corrective Action

(None).

Syslog Message

Scheduled configuration backup %s was created successfully.

Parameters

backup (STRING): Backup file.

mgmtgwd.configbr.backupFailed

Deprecated

This event was replaced by configbr.backupFailed.

Severity

ERROR

Description

This message occurs when the configuration backup cannot be created.

Corrective Action

If the reason is about the root volume file system, ensure that it is available and has enough space to create a backup. If the reason is that a scheduled backup file could not be created, create the backup file manually and upload it to the remote URL.

Syslog Message

The %s configuration backup %s cannot be created. Error: '%s'.

Parameters

type (STRING): Type of backup, either cluster or local.
backup (STRING): Backup file.
reason (STRING): Reason for the error.

mgmtgwd.configbr.deleteFailed

Deprecated

This event was replaced by configbr.deleteFailed.

Severity

ERROR

Description

This message occurs when an old configuration backup cannot be deleted.

Corrective Action

Ensure that the node is accessible and healthy. If necessary, delete the backup manually.

Syslog Message

The %s configuration backup %s on node %s cannot be deleted. Error: '%s'.

Parameters

type (STRING): Type of backup, either cluster or local.
backup (STRING): Backup file.
node (STRING): Node on which the backup file exists.
reason (STRING): Reason for the error.

mgmtgwd.configbr.distributeFailed

Deprecated

This event was replaced by configbr.distributeFailed.

Severity

ERROR

Description

This message occurs when a configuration backup cannot be distributed to another node in the cluster.

Corrective Action

Ensure that the destination node is accessible and healthy. If necessary, upload the backup file to the remote URL to increase the availability of the backup file.

Syslog Message

Configuration backup %s cannot be distributed to node %s. Error: '%s'.

Parameters

backup (STRING): Backup file.
destination_node (STRING): Destination node to which the backup file failed to be distributed.
reason (STRING): Reason for the error.

mgmtgwd.configbr.initFailed

Deprecated

This event was replaced by configbr.initFailed.

Severity

ERROR

Description

This message occurs when the configuration backup and restore feature cannot initialize the necessary software components.

Corrective Action

If the reason is about the backup directory under the root volume, ensure that the root volume is available and has enough free space. If the reason is about populating replicated database entries, wait five minutes and then use the advanced mode of the command-line interface to access the "Backup Settings" menu to ensure that backup schedules are listed. If the reason is about creating backup jobs, wait five minutes and then run the 'job show' command to ensure that backup jobs are displayed for each schedule.

Syslog Message

Configuration backup and restore feature could not be initialized. Error: '%s'.

Parameters

reason (STRING): Reason for the initialization failure.

mgmtgwd.configbr.intError

Deprecated

This event was replaced by configbr.intError.

Severity

ERROR

Description

This message occurs when an attempt to create a configuration backup file encountered an internal software error.

Corrective Action

Create the configuration backup file manually by using the "system configuration backup create" command.

Syslog Message

Configuration backup and restore detected an internal software error. Error: '%s'.

Parameters

error (STRING): Internal software error.

mgmtgwd.configbr.noDestURL

Deprecated

This event was replaced by configbr.noDestURL.

Severity

ERROR

Description

This message occurs when the cluster backup is saved on only one node and no offsite configuration backup destination URL is configured.

Corrective Action

Configure an offsite configuration backup destination URL as soon as possible, using the commands "system configuration backup settings modify -destination <destination-url> -username <username-on-destination-url>" and "system configuration backup settings set-password".

Syslog Message

Cluster backup is saved on only one node and no offsite configuration backup destination URL is configured.

Parameters

(None).

mgmtgwd.configbr.snapshotDeleteFailed

Deprecated

This event was replaced by configbr.snapshotDelFailed.

Severity

ERROR

Description

This message occurs when a Snapshot(tm) copy on the root volume cannot be deleted. The Snapshot copy was created during a configuration backup.

Corrective Action

Ensure that the root volume file system is available.

Syslog Message

Snapshot copy %s on the root volume cannot be deleted on node %s. Error: '%s'.

Parameters

name (STRING): Name of the Snapshot copy.
node (STRING): Node on which the Snapshot copy was created.
reason (STRING): Reason for the error.

mgmtgwd.configbr.unpubFailed

Deprecated

This event was replaced by configbr.unpubFailed.

Severity

ERROR

Description

This message occurs when the configuration backup and restore feature fails to unpublish a package by using the file replication service. The configuration backup process creates file packages and registers them with the file replication service, which stores the package in the root file system. When the configuration backup process is complete, it cleans up these files by unpublishing the package by using the file replication service. When unpublishing fails, these files are not be cleaned up and remain in the root file system. This message does not indicate a failure in the configuration backup process, which continues despite the event. You can monitor the status of an ongoing configuration backup process by using the "job show" command. The completed configuration backup files are visible when you run the "system

configuration backup show" command.

Corrective Action

Obtain diagnostic privilege and view the file replication packages by using the "system services replication show" command. Unpublish the file replication packages by issuing the "system services replication unpublish" command, for which you also need diagnostic privilege. Check the "cluster ring show" command to ensure that the node is in quorum; management quorum is required for the unpublish command to succeed. Do not take these actions while an active configuration backup process is running.

Syslog Message

Configuration backup and restore failed to unpublish package %s; Error: '%s'.

Parameters

package_name (STRING): Name of the package.
reason (STRING): Reason for the unpublishing failure.

mgmtgwd.configbr.uploadFailed

Deprecated

This event was replaced by configbr.uploadFailed.

Severity

ERROR

Description

This message occurs when the configuration backup cannot be uploaded to the destination URL.

Corrective Action

Ensure that the destination URL is reachable, the protocol in the URL is supported, and the user credentials are valid.

Syslog Message

Configuration backup file %s cannot be uploaded to the destination URL %s. Error: '%s'.

Parameters

backup (STRING): Backup file.
destination (STRING): Destination URL.
reason (STRING): Reason for the upload failure.

mgmtgwd.fg events

mgmtgwd.fg.32bit.nfs3ids

Severity

ERROR

Description

This message occurs when the user creates a FlexGroup on a Vserver that has NFSv3 enabled, but uses 32-bit identifiers, which could cause file ID collisions.

Corrective Action

To prevent file ID collisions within the FlexGroup, enable NFSv3 64-bit FSIDs and file IDs on the Vserver. For more information or assistance, contact NetApp technical support.

Syslog Message

FlexGroup %s was created on Vserver %s which uses 32-bit NFSv3 FSIDs and File IDs. File ID collisions may occur.

Parameters

volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.

mgmtgwd.fg.32bit.nfs4ids

Severity

ERROR

Description

This message occurs when the user creates a FlexGroup on a Vserver that has NFSv4.x enabled, but uses 32-bit identifiers, which could cause file ID collisions.

Corrective Action

To prevent file ID collisions within the FlexGroup, enable NFSv4.x 64-bit FSIDs and file IDs on the Vserver. For more information or assistance, contact NetApp technical support.

Syslog Message

FlexGroup %s was created on Vserver %s which uses 32-bit NFSv4.x FSIDs and File IDs. File ID collisions may occur.

Parameters

volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.

mgmtgwd.fg.modify.constituent.fail

Severity

ERROR

Description

This message occurs when modification of a FlexGroup constituent's state fails during the operation to modify the state of the FlexGroup. The FlexGroup will be in the 'mixed' state and constituents that are still online will be able to serve data. Constituents that are offline will not be able to serve data. All management operations will be unavailable on the FlexGroup until it is brought completely online.

Corrective Action

Correct the problem based on the reason specified. If the error persists, contact NetApp technical support.

Syslog Message

Failed to modify the state of FlexGroup constituent %s in Vserver %s. Reason: %s.

Parameters

> **volumeName** (STRING): Name of the constituent.
> **vserverName** (STRING): Name of the Vserver.
> **reason** (STRING): Reason for the failure.

mgmtgwd.fg.modify.rlbk.fail

Severity

> ERROR

Description

> This message occurs after a series of failures. First, the FlexGroup resize fails. To recover, we try to rollback the FlexGroup constituents to their original sizes. If we fail to rollback any of these constituents, this message will occur.

Corrective Action

> Correct the problem based on the reason specified. If the error persists, contact NetApp technical support.

Syslog Message

> Failed to rollback the size of FlexGroup constituent %s in Vserver %s Reason: %s.

Parameters

> **volumeName** (STRING): Name of the constituent.
> **vserverName** (STRING): Name of the Vserver.
> **reason** (STRING): Reason for the failure.

mgmtgwd.fg.sis.op.constituent.fail

Severity

> ERROR

Description

> This message occurs when the execution of the efficiency operation on a FlexGroup constituent fails.

Corrective Action

> Correct the problem based on the reason specified. If the error persists, contact Netapp technical support for further assistance.

Syslog Message

> Failed to execute the efficiency operation on FlexGroup constituent %s in Vserver %s. Operation: %s. Reason: %s.

Parameters

> **volumeName** (STRING): Name of the constituent.
> **vserverName** (STRING): Name of the Vserver.
> **operationType** (STRING): Type of the efficiency operation.
> **reason** (STRING): Reason for the failure.

mgmtgwd.filereplication events

mgmtgwd.filereplication.failverify

Severity

ERROR

Description

This message occurs when the startup scan of the file replication publishing root directory fails to verify packages. This might be due to file corruption or a mixed-version issue.

Corrective Action

Contact NetApp technical support.

Syslog Message

The startup scan of the file replication publishing directory failed to verify one or more packages.

Parameters

(None).

mgmtgwd.filereplication.forbidden

Severity

ERROR

Description

This message occurs when the file replication service receives a request on an unsecure network interface.

Corrective Action

Use the "network interface show" command to verify that the source IP address of the request is from an internal, authorized source. This could be a security breach attempt. File replication never attempts to communicate over nonclustered interfaces.

Syslog Message

The file replication service denied an incoming request that came from '%s' through the virtual interface address '%s'.

Parameters

client_ip (STRING): IP address of the client.
server_ip (STRING): IP address of the server interface.

mgmtgwd.filereplication.nopubroot

Severity

ERROR

Description

This message occurs when the file replication service cannot find or initialize the publishing root directory.

Corrective Action

Contact NetApp technical support.

Syslog Message

The publishing root directory at '%s' could not be initialized. Error: '%s'.

Parameters

dir (STRING): Location of the publishing root directory.
reason (STRING): Reason the directory cannot be used.

mgmtgwd.filereplication.noserver

Severity

ERROR

Description

This message occurs when the file replication module cannot initialize the local server process.

Corrective Action

Ensure that the local replication network port is not in use ("network port show" and "network port broadcast-domain show") and that system resources are not limited.

Syslog Message

The file replication service could not initialize its server process. Error: '%s'.

Parameters

description (STRING): Reason for the failure.

mgmtgwd.filereplication.nostart

Severity

ERROR

Description

This message occurs when the file replication service cannot be started.

Corrective Action

Contact NetApp technical support.

Syslog Message

The file replication service could not be started.

Parameters

(None).

mgmtgwd.fips events

mgmtgwd.fips.post.failure

Severity

ERROR

Description

This message occurs when an unrecoverable error prevents initialization of the cryptographic subsystem into FIPS mode. No SSL communication will be possible with the storage system in this state. Other ONTAP features may also be affected by the lack of cryptographic operations.

Corrective Action

To operate in non FIPS cryptographic mode, turn off FIPS mode for the SSL interface using command "security config modify -interface SSL -is-fips-enabled false" and restart the system. For more information or assistance, contact NetApp technical support.

Syslog Message

SSL interface disabled due to failure of FIPS mode cryptographic services.

Parameters

(None).

mgmtgwd.jobmgr events

mgmtgwd.jobmgr.fetcherr

Severity

ERROR

Description

This message occurs when the system cannot locate the configuration for a specific Vserver.

Corrective Action

Disable and reenable the auditing function of the affected Vserver using the 'vserver audit disable' and 'vserver audit enable' commands to attempt to retrieve the missing configuration information. If the audit enable command fails, contact the system administrator for assistance.

Syslog Message

Job '%s' [jobid %d, name "%s", UUID %s] failed on Vserver '%s'.

Parameters

name (STRING): Name of the job.
jobid (INT): ID of the job.
description (STRING): Description of the job.
jobuuid (STRING): UUID of the job.
vservername (STRING): Vserver name linked with the job.

mgmtgwd.jobmgr.high.jobs

Severity

ERROR

Description

This message occurs when the total number of queued jobs, including both the cluster-wide jobs and the node-local jobs, exceeds a configured threshold.

Corrective Action

Allow the backlog of jobs to run to completion before adding more jobs. Halt external tools from issuing frequent commands that result in jobs. You can view the job queue thresholds with the diag privilege command "job queue config show". The command "job show" displays cluster-wide jobs. The command "job private show" displays node-local jobs. The command "job history show" displays job history. The command "job queue show" displays the job queues.

Syslog Message

High number of jobs: there are %d jobs queued on this node. New jobs will not be accepted by this node when the total number of jobs exceeds %d.

Parameters

jobs (LONGINT): Number of jobs queued.
max (LONGINT): Maximum number of jobs accepted.

mgmtgwd.jobmgr.high.jobtype

Severity

ERROR

Description

This message occurs when the total number of queued jobs of any type, including both the cluster-wide jobs and the node-local jobs, exceeds a configured threshold.

Corrective Action

Allow the backlog of jobs to run to completion before adding more jobs. Halt external tools from issuing frequent commands that result in jobs. You can view the job queue thresholds with the diag privilege command "job queue config show". The command "job show" displays cluster-wide jobs. The command "job private show" displays node-local jobs. The command "job history show" displays job history. The command "job queue show" displays the job queues.

Syslog Message

High number of "%s" jobs: there are %d of this job type queued on this node. New jobs will not be accepted by this node when the total number of jobs of this type exceeds %d.

Parameters

type (STRING): Job type.
jobs (LONGINT): Number of jobs queued of this type.
max (LONGINT): Maximum number of jobs accepted of this type.

mgmtgwd.jobmgr.init.err

Severity

ERROR

Description

This message occurs when the Job manager cannot load a private job.

Corrective Action

Look into the private job history by using the job_id. If necessary, restart the activity by using the applicable command. Example Command: job private show-completed -node node-01 -id 10

Syslog Message

"Unable to load private job. Job UUID = %s and ID= %ul. Reason: %s"

Parameters

job_uuid (STRING): UUID of the private job.
job_id (LONGINT): Human-readable ID of the private job.
failure_reason (STRING): Reason for failure to load.

mgmtgwd.jobmgr.jobcomplete.failure

Severity

INFORMATIONAL

Description

This message occurs when the Job Manager completes a job unsuccessfully.

Corrective Action

(None).

Syslog Message

Job "%s" [id %d] (%s) completed unsuccessfully: %s (%llu).

Parameters

name (STRING): Name of the job.
jobid (INT): ID of the job.
description (STRING): Description of the job.
completion (STRING): Completion string for the job.
code (LONGINT): Completion code for the job.
jobuuid (STRING): UUID of the job.

mgmtgwd.jobmgr.jobrestart

Severity

INFORMATIONAL

Description

This message occurs when the Job Manager restarts a job.

Corrective Action

(None).

Syslog Message

Restarted job "%s" [id %d]: %s.

Parameters

name (STRING): Name of the job.
jobid (INT): ID of the job.

description (STRING): Description of the job.
jobuuid (STRING): UUID of the job.

mgmtgwd.jobmgr.private.jobcomplete.failure

Severity

INFORMATIONAL

Description

This message occurs when the Job Manager completes a private job unsuccessfully.

Corrective Action

(None).

Syslog Message

Private job "%s" [id %d] (%s) completed unsuccessfully: %s (%llu).

Parameters

name (STRING): Name of the job.
jobid (INT): ID of the job.
description (STRING): Description of the job.
completion (STRING): Completion string for the job.
code (LONGINT): Completion code for the job.
jobuuid (STRING): UUID of the job.

mgmtgwd.jobmgr.sched.peer.update

Severity

ERROR

Description

This message occurs when a job schedule is updated on the peer cluster and might need to be updated on this cluster.

Corrective Action

Update the schedule on this cluster to match the peer cluster.

Syslog Message

"Schedule "%s" was %s on peer cluster and must also be updated on this cluster. Command on peer cluster: %s."

Parameters

schedule (STRING): Schedule name.
operation (STRING): Operation performed on schedule: "created," "modified," or "deleted."
command (STRING): Job schedule command that was executed on the peer cluster.

mgmtgwd.jobmgr.sched.type

Severity

ERROR

Description

This message occurs when a job schedule is created with the same name as a schedule from the MetroCluster(tm) partner cluster, but with a different schedule type.

Corrective Action

Create a replacement schedule with a different name, and then delete one of the same-named schedules.

Syslog Message

Schedule "%s" was created with the same name as an existing schedule, but with a different schedule type.

Parameters

schedule (STRING): Schedule name.

mgmtgwd.jobmgr.sched.update

Deprecated

Deprecated as of version 9.6. Job schedules are automatically replicated to the peer cluster.

Severity

ERROR

Description

This message occurs when a job schedule is updated on this cluster and might need to be updated on the peer cluster.

Corrective Action

On the peer cluster, update the schedule to match this cluster.

Syslog Message

"Schedule "%s" was %s and must also be updated on the peer cluster. Command: %s."

Parameters

schedule (STRING): Schedule name.
operation (STRING): Operation performed on schedule: "created," "modified," or "deleted."
command (STRING): Job schedule command that was executed.

mgmtgwd.mixed events

mgmtgwd.mixed.version

Severity

ALERT

Description

This message occurs when not all nodes are running the same version of ONTAP. Not all features of a software version are available to the cluster unless all nodes are at the same version. This message can occur when upgrade or revert is in progress or has not completed successfully.

Corrective Action

Use "version" to check the current cluster version and use "version -node *" to check the version on individual nodes.

Syslog Message

Not all nodes are at the same ONTAP version. Cluster is operating in version %s. One or more nodes are at %s.

Parameters

ClusterVersion (STRING): Current cluster version.
HighestVersion (STRING): Highest version in the cluster.

mgmtgwd.replace events

mgmtgwd.replace.node.mgmt.lif

Severity

ERROR

Description

This message occurs when the temporary node management LIF, which is normally deleted automatically, has not been replaced. It should be replaced to free the DHCP address.

Corrective Action

Create a new node management LIF by using the 'network interface create' command, and then delete the temporary node management LIF by using the 'network interface delete' command.

Syslog Message

Temporary node management LIF '%s' should be replaced with a new node management LIF.

Parameters

lif (STRING): Temporary node management LIF.

mgmtgwd.repos events

mgmtgwd.repos.conflictingOps

Deprecated

Deprecated as of Data ONTAP 9.6 because Infinite Volumes no longer exist.

Severity

ERROR

Description

This message occurs when an Infinite Volume operation cannot be started because another Infinite Volume operation is already in progress.

Corrective Action

Check whether another Infinite Volume operation is currently in progress by running the 'job show' command. After the current operation is complete, try the new operation again. If the error persists, contact NetApp technical support.

Syslog Message

Infinite Volume operation '%s' could not be started on volume '%s' on Vserver '%s', because operation '%s' is already in progress.

Parameters

attemptedOperation (STRING): Name of the Infinite Volume operation that could not be started.
volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.
existingOperation (STRING): Name of the Infinite Volume operation already running.

mgmtgwd.revertto events

mgmtgwd.revertTo.forceErrors

Deprecated

This event was replaced by revertTo.force.

Severity

NOTICE

Description

This message occurs when a revert to process is being initiated with the "force" flag, and configuration errors have been detected.

Corrective Action

(None).

Syslog Message

Forcing revert in spite of detected configuration errors.

Parameters

(None).

mgmtgwd.rootvol events

mgmtgwd.rootvol.recovery.changed

Severity

EMERGENCY

Description

This message occurs when the system detects that a root volume might have changed, causing the local management databases to be out of sync with the replicated databases. The node is not fully operational. Data lifs might have failed over within the cluster, so NFS and CIFS access is limited on this node. There also might have been a loss of stored data. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Contact technical support to obtain the root volume recovery procedures.

Syslog Message

The contents of the root volume might have changed and the local management databases might be out of sync with the replicated databases. This node is not fully operational. Contact technical support to obtain the root volume recovery procedures.

Parameters

(None).

mgmtgwd.rootvol.recovery.different

Severity

EMERGENCY

Description

This message occurs when the system detects a different root volume than it has used previously. The node is not fully operational. Data lifs might have failed over within the cluster, so NFS and CIFS access is limited on this node. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Contact technical support to obtain the root volume recovery procedures.

Syslog Message

The root volume is different than the one previously used by this node. This node is not fully operational. Contact technical support to obtain the root volume recovery procedures.

Parameters

(None).

mgmtgwd.rootvol.recovery.new

Severity

EMERGENCY

Description

This message occurs when the system detects a new root volume. The node is not fully operational. Data lifs might have failed over within the cluster, so NFS and CIFS access is limited on this node. There also might be a loss of stored data. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Contact technical support to obtain the root volume recovery procedures.

Syslog Message

A new root volume was detected. This node is not fully operational. Contact technical support to obtain the root volume recovery procedures.

Parameters

(None).

mgmtgwd.rootvol.recovery.takeover.changed

Severity

EMERGENCY

Description

This message occurs when the system detects that a root volume might have changed, causing the local management databases to be out of sync with the replicated databases. This occurred due to corruption of the Non-Volatile RAM log (NVLOG) during takeover. The node is not fully operational. Data logical interfaces (LIFs) might have failed over within the cluster, so NFS and CIFS access is limited on this node. There also might have been a loss of stored data. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Contact technical support to obtain the root volume recovery procedures.

Syslog Message

The contents of the root volume might have changed and the local management databases might be out of sync with the replicated databases due to corruption of NVLOG data during takeover. This node is not fully operational. Contact technical support to obtain the root volume recovery procedures.

Parameters

(None).

mgmtgwd.rootvolrec events

mgmtgwd.rootvolrec.low.space

Severity

EMERGENCY

Description

This message occurs when the system detects that the root volume is dangerously low on space. The node is not fully operational. Data logical interfaces (LIFs) might have failed over within the cluster, so NFS and CIFS access is limited on this node. Administrative capability is limited to local recovery procedures for this node to make space available on the root volume.

Corrective Action

Contact NetApp technical support for assistance to make space available on the root volume by deleting old Snapshot® copies, deleting unnecessary files, or expanding the root volume capacity. After space is available, controller needs to be rebooted.

Syslog Message

The root volume on node "%s" is dangerously low on space. Less than %d MB of free space remaining.

Parameters

node (STRING): Node on which the root volume is low on space.
threshold_in_mb (INT): Threshold, in MB, that is being used to compare against the root volume's available space.

mgmtgwd.schedsnap events

mgmtgwd.schedSnap.createFail

Severity

ERROR

Description

This message occurs when the system fails to create a Snapshot(tm) copy for the given volume.

Corrective Action

Correct the problem based on the reason specified. If the error persists, contact NetApp technical support.

Syslog Message

Skipping creation of scheduled Snapshot copy '%s' on volume '%s' on vserver '%s' for schedule '%s' prefix '%s' (reason: %s)

Parameters

snapshotName (STRING): Name of the Snapshot copy.
volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the virtual server.
scheduleName (STRING): Name of the Snapshot policy schedule.
prefixName (STRING): Name of the prefix associated with the Snapshot policy schedule.
reason (STRING): Reason for the failure.

mgmtgwd.schedSnap.createSkip

Severity

ERROR

Description

This message occurs when a scheduled Snapshot(tm) copy for a volume is skipped because there is a conflicting operation being performed on the volume.

Corrective Action

Correct the problem based on the reason specified. If the error persists, contact NetApp technical support.

Syslog Message

Skipping creation of scheduled Snapshot copy for volume "%s" on Vserver "%s" using policy "%s". Reason: %s.

Parameters

volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.
snapshotPolicy (STRING): Name of the Snapshot policy.
reason (STRING): Reason that the scheduled Snapshot copy was skipped.
appUuid (STRING): UUID of the Application.

mgmtgwd.sign events

mgmtgwd.sign.cert.expired

Severity

ERROR

Description

This message occurs when a digital certificate for a Vserver expires. Client-server communication is not secure.

Corrective Action

Sign a new digital certificate on the system using the 'security certificate sign' command.

Syslog Message

A digital certificate with Fully Qualified Domain Name (FQDN) %s, Serial Number %s, Certificate Authority '%s' and Certificate Authority Serial Number %s for Vserver %s has expired.

Parameters

common_name (STRING): Name of the Fully Qualified Domain Name(FQDN) whose digital certificate expired.
serial_number (STRING): Serial Number of the digital certificate.
certificate_authority (STRING): Name of the Certificate Authority.
ca_serial_number (STRING): Serial Number of the Certificate Authority(CA) that signed the digital certificate.
vserver (STRING): Name of the Vserver.

mgmtgwd.sign.cert.expiring

Severity

ERROR

Description

This message occurs when a digital certificate for a Vserver is about to expire. Client-server communication will not be secure if the certificate expires.

Corrective Action

Sign a new digital certificate on the system using the 'security certificate sign' command.

Syslog Message

A digital certificate with Fully Qualified Domain Name (FQDN) %s, Serial Number %s, Certificate Authority '%s' and Certificate Authority Serial Number %s for Vserver %s will expire in %d day(s).

Parameters

common_name (STRING): Name of the Fully Qualified Domain Name(FQDN) whose digital certificate is about to expire.
serial_number (STRING): Serial Number of the digital certificate.
certificate_authority (STRING): Name of the Certificate Authority whose digital certificate that is about to expire.
ca_serial_number (STRING): Serial Number of Certificate Authority(CA) that signed the digital certificate.
vserver (STRING): Name of the Vserver.
days (INT): Number of days remaining until the certificate expires.

mgmtgwd.snapshot events

mgmtgwd.snapshot.deleteWarn

Deprecated

Deprecated as of Data ONTAP 9.6 because Infinite Volumes no longer exist.

Severity

NOTICE

Description

This message occurs when a snapshot cannot be deleted from an Infinite Volume.

Corrective Action

Delete one or more older snapshots associated with this schedule by using the "volume snapshot delete" command.

Syslog Message

Skipping deletion of scheduled snapshot "%s" on volume "%s" on Vserver "%s" for schedule "%s" prefix "%s" (reason: %s).

Parameters

snapshotName (STRING): Name of the snapshot.
volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.
scheduleName (STRING): Name of the snapshot policy schedule.
prefixName (STRING): Name of the prefix associated with the snapshot policy schedule.
reason (STRING): Reason for the failure.

mgmtgwd.snapshot.frcRestore

Deprecated

Deprecated as of Data ONTAP 9.6 because Infinite Volumes no longer exist.

Severity

INFORMATIONAL

Description

This message occurs when a snapshot is restored on an Infinite Volume using the 'force' option.

Corrective Action

(None).

Syslog Message

Volume '%s' on Vserver '%s' was restored to snapshot '%s' using the 'force' option.

Parameters

volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.
snapshotName (STRING): Name of the snapshot.

mgmtgwd.snapshot.partCreate

Deprecated

Deprecated as of Data ONTAP 9.6 because Infinite Volumes no longer exist.

Severity

ERROR

Description

This message occurs when a snapshot copy is partially created on an Infinite Volume. Residual snapshots might remain on one or more Infinite Volume constituent volumes. These snapshots might consume the snapshot reserve on the constituent volumes.

Corrective Action

Contact NetApp technical support.

Syslog Message

Scheduled snapshot '%s' of volume '%s' on Vserver '%s' for schedule '%s' prefix '%s' was partially created and cleanup failed on one or more constituent volumes.

Parameters

snapshotName (STRING): Name of the snapshot.
volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.
scheduleName (STRING): Name of the snapshot policy schedule.
prefixName (STRING): Name of the prefix associated with the snapshot policy schedule.
constituentMsidList (STRING): List of master data set IDs (MSIDs) of Infinite Volume constituent volumes that might have residual snapshots.

mgmtgwd.snapshot.tooManySnap

Deprecated

Deprecated as of Data ONTAP 9.6 because Infinite Volumes no longer exist.

Severity

ERROR

Description

This message occurs when a snapshot cannot be created on an Infinite Volume because too many snapshots exist for the associated schedule.

Corrective Action

Delete an older snapshot associated with this schedule using the 'volume snapshot delete' command.

Syslog Message

Scheduled snapshot '%s' of volume '%s' on Vserver '%s' could not be created because too many snapshots exist for the associated schedule.

Parameters

snapshotName (STRING): Name of the snapshot.
volumeName (STRING): Name of the volume.
vserverName (STRING): Name of the Vserver.

mgmtgwd.upgrade events

mgmtgwd.upgrade.aborted

Severity
ALERT

Description
This message occurs when an upgrade task is aborted. The node will not be fully operational.

Corrective Action
(Call support).

Syslog Message
(None).

Parameters
(None).

mgmtgwd.upgrade.failed

Severity
ALERT

Description
This message occurs when one or more upgrade tasks fails. The node will not be fully operational.

Corrective Action
(Call support).

Syslog Message
(None).

Parameters
(None).

mgmtgwd.upgrade.started

Severity
INFORMATIONAL

Description
This message occurs when an upgrade is started.

Corrective Action
(None).

Syslog Message
(None).

Parameters

(None).

mgmtgwd.upgrade.success

Severity

INFORMATIONAL

Description

This message occurs when an upgrade is completed successfully.

Corrective Action

(None).

Syslog Message

(None).

Parameters

(None).

mgmtgwd.var events

mgmtgwd.var.recovery

Severity

EMERGENCY

Description

This message occurs when the system detects a missing or corrupted /var root directory. The node is not fully operational. Data LIFs might have failed over within the cluster, so NFS and CIFS access is limited on this node. There also might be a loss of stored data. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Contact NetApp technical support to obtain the recovery procedures.

Syslog Message

Part of the /var boot directory is missing. This node is not fully operational. Contact technical support to obtain the recovery procedures.

Parameters

(None).

mgmtgwd.vol events

mgmtgwd.vol.upgrade.failed

Severity

ERROR

Description

This message occurs when one of the volume upgrade tasks fails. When any upgrade task fails, the volume upgrade is aborted and no other upgrade tasks are run for the volume at this point.

Corrective Action

Trigger the mhost upgrade tasks manually using the advanced privilege "volume upgrade-tasks run -vserver [vserver_name] -volume [volume_name]" command.

Syslog Message

Upgrade task %d (%s) has failed on volume "%s".

Parameters

task_id (INT): Task identifier of the specific upgrade task that failed on the volume.
task_description (STRING): Task description of the specific upgrade task that failed on the volume.
vol_uuid (STRING): Volume UUID.

mgmtgwd.vol.upgrade.started

Severity

NOTICE

Description

This message occurs when a volume with a filesystem version representing an earlier ONTAP release is brought online. When this occurs, the volume's filesystem is automatically upgraded to the current ONTAP release. This message marks the start of any upgrade workflows that are required in response to these filesystem updates.

Corrective Action

(None).

Syslog Message

Upgrade has started for volume "%s".

Parameters

vol_uuid (STRING): Volume UUID.

mgmtgwd.vol.upgrade.success

Severity

NOTICE

Description

This message occurs when all the upgrade tasks for this volume completed successfully. This indicates that all of the necessary upgrade tasks for a volume that was offline prior to the last system level upgrade have run successfully.

Corrective Action

(None).

Syslog Message

Upgrade has completed successfully for volume "%s".

Parameters

    vol_uuid (STRING): Volume UUID.

mgmtgwd.volcreatedrestricted events

mgmtgwd.volcreatedrestricted

Severity

    NOTICE

Description

    This message occurs when a volume is created in the restricted state. This message is used to update the status of the health dashboard.

Corrective Action

    (None).

Syslog Message

    (None).

Parameters

    vserver (STRING): The vserver that owns the volume.
    volume (STRING): The name of the volume.

mgmtgwd.volmove events

mgmtgwd.volmove.notoptimized

Severity

    NOTICE

Description

    This message occurs when a volume move operation does not take the optimized path to avoid read requests from a cloud-based tier.

Corrective Action

    (None).

Syslog Message

    Volume move operation from source aggregate "%s" to destination aggregate "%s" of volume "%s" on Vserver "%s" might need to copy data from existing objects in the capacity tier. Reason: "%s".

Parameters

    sourceAggregate (STRING): Name of the source aggregate.
    destinationAggregate (STRING): Name of the destination aggregate.
    volume (STRING): Name of the volume.
    Vserver (STRING): Vserver that owns the volume.
    errMsg (STRING): Error reason why volume move operation did not avoid reads from the cloud.

mgmtgwd.volmove.optimized

Severity

NOTICE

Description

This message occurs when a volume move operation avoids a read request from a cloud-based tier.

Corrective Action

(None).

Syslog Message

Volume move operation from source aggregate "%s" to destination aggregate "%s" of volume "%s" on Vserver "%s" avoided copying data from existing objects in the capacity tier.

Parameters

sourceAggregate (STRING): Name of the source aggregate.
destinationAggregate (STRING): Name of the destination aggregate.
volume (STRING): Name of the volume.
Vserver (STRING): Vserver that owns the volume.

mgmtgwd.vreport events

mgmtgwd.vreport.nodesUnreachable

Severity

ERROR

Description

This message occurs when the 'debug vreport' command found that some nodes were unreachable. Such nodes may contain WAFL-VLDB discrepancies which will not get reported.

Corrective Action

The file mgwd.log logs the list of unavailable nodes. Ensure all these nodes are reachable from the node where the 'debug vreport' is run.

Syslog Message

Vreport encountered some unreachable nodes. The report may be incomplete.

Parameters

(None).

mgmtgwd.wafl events

mgmtgwd.wafl.rdb.autorecover

Severity

NOTICE

Description

This message occurs when the system will automatically enter RDB recovery because the system has detected that a root volume might have changed, possibly causing the local management databases to be out of sync with the replicated databases . This occurred due to corruption of the Non-Volatile RAM log (NVLOG) during takeover. The node is not fully operational. Data logical interfaces (LIFs) might have failed over within the cluster, so NFS and CIFS access is limited on this node. There also might have been a loss of stored data. Administrative capability is limited to local recovery procedures for this node.

Corrective Action

Use the command 'event log show' to monitor for RDB recovery completion. On successful RDB recovery completion, the event 'rdb.recovery.succeeded' will be generated. Should RDB recovery fail, the event 'rdb.recovery.failed' will be generated. Failure will also generate a 'callhome.root.vol.recovery.reqd' event.

Syslog Message

The system will automatically enter RDB recovery because the system has detected that a root volume might have changed, possibly causing the local management databases to be out of sync with the replicated databases.

Parameters

(None).