rdb events

ONTAP EMS reference

NetApp
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rdb events

rdb.corruption events

rdb.corruption.reported

Severity

NOTICE

Description

This message occurs when the cluster management Data Replication Module determines that the node's local replica set is corrupted. Automatic recovery of this data will be attempted.

Corrective Action

(None).

Syslog Message

Corruption reported in the local database of Data Replication Module %s, error: %s.

Parameters

unit (STRING): The unit that is reporting corruption.
message (STRING): Error message.

rdb.env events

rdb.env.IOFailure

Severity

ALERT

Description

This message occurs when the cluster management Data Replication Module determines that I/O operations on the node's root volume are failing. This could indicate that the volume is full, not mounted, or any number of other error conditions.

Corrective Action

Contact NetApp technical support for assistance with the root volume verification and recovery procedures.

Syslog Message

Error encountered in root volume I/O: %s.

Parameters

message (STRING): Error message.

rdb.env.processDuplicate

Severity

ERROR

Description

This message occurs when multiple conflicting instances of the management subsystem processes are executing. The situation was safely detected, but it is necessary to understand why it occurred. Normal system startup and operation should ensure that only one of each process type executes on any node. This can occur when an operator inadvertently runs a second instance by hand under the command shell.

Corrective Action

Verify that all the cluster management processes are running using the diagnostic command 'cluster ring show.' Verify that only one of each is running on the node by using the 'ps' command in the command shell. If this event continues to occur, or if there is any question as to why the extra process was started, then contact NetApp technical support to investigate.

Syslog Message

Multiple processes executing, detected by advisory locking violation: %s.

Parameters

message (STRING): Error message.

rdb.env.replicaCorrupt

Severity

ALERT

Description

This message occurs when the cluster management Data Replication Module determines that the node's local replica set is corrupted. You must restore the replica set from the other nodes in the cluster, or from backup. If the damage extends beyond the replica set, it might be necessary to recover the root volume.

Corrective Action

Contact NetApp technical support for assistance with the Data Replication Module and root volume verification and recovery procedures.

Syslog Message

Corruption in the local database of Data Replication Module: %s.

Parameters

message (STRING): Error message.

rdb.env.sitelistInvalid

Severity

ALERT

Description

This message occurs when the cluster management Data Replication Module detects an inconsistency in the local cluster configuration (the 'sitelist'). This sitelist is rejected, but the situation must be evaluated with the help of NetApp technical support. This usually occurs as a result of a procedural error, for example, a repurposed node without a wipeconfig, a problem with a controller replacement, a conflict with the node's 'setup' parameters, and so on.

Corrective Action

Contact NetApp technical support to investigate the situation.

Syslog Message

The sitelist content does not match the node environment: %s.

Parameters

message (STRING): Error message.

rdb.ha events

rdb.ha.active

Severity

NOTICE

Description

This message occurs when the management process goes online as the master under two-node 'cluster HA' failover. Any changes to replicated data are synchronized with the peer node after it becomes available.

Corrective Action

(None).

Syslog Message

Entering HA-Active: Going online as active master in a high-availability (HA) configuration.

Parameters

(None).

rdb.ha.mboxError

Severity

ALERT

Description

This message occurs when the system detects a problem with the 'cluster HA' on-disk mailboxes, resulting in failover being currently disabled. No data is at risk, but the situation should be addressed. Note: The 'cluster HA' configuration provides a bidirectional failover mechanism for the management processes in a two-node cluster.

Corrective Action

First ensure that both nodes are booted and operational. Then verify that all the cluster management processes are running on both nodes using the diagnostic command 'cluster ring show'. If there are any problems with this, contact NetApp technical support for guidance. Take the following actions: - Use the 'cluster ha modify -configure false' command to unconfigure high availability (HA). - Use the 'cluster ha modify -configure true' command to reconfigure HA. - Use the 'cluster ha show' diagnostic command to verify that the system is fully configured (both the front-end and on-disk mailboxes should both be 'true').

Syslog Message

Bidirectional failover under the 'cluster HA' configuration is not currently functional due to problem with the on-disk mailboxes.

Parameters

(None).

rdb.ha.synchronized

Severity

NOTICE

Description

This message occurs when the management process synchronizes its replicated data with its peer node. Bidirectional failover has been reestablished in a 'cluster HA' configuration.

Corrective Action

(None).

Syslog Message

Entering HA-Normal: Synchronized with peer in a high-availability (HA) configuration.

Parameters

(None).

rdb.internal events

rdb.internal.error

Severity

ALERT

Description

This message occurs when the cluster management Data Replication Module encounters an internal error, possibly causing the process to exit. The process should restart automatically, with full service restored.

Corrective Action

Verify that all the cluster management processes are running using the diagnostic command 'cluster ring show.' If not, contact NetApp technical support.

Syslog Message

Internal program error encountered: %s.

Parameters

message (STRING): Error message.

rdb.recovery events

rdb.recovery.failed

Severity

EMERGENCY

Description

This message occurs when the cluster management Data Replication Module could not automatically repair its local replicas.

Corrective Action

(Call support).

Syslog Message

Error: %s. Unable to recover the local database of Data Replication Module: %s.

Parameters

message (STRING): Error message.
unit (STRING): The unit that failed recovery.

rdb.recovery.started

Severity

NOTICE

Description

This message occurs when the cluster management Data Replication Module starts automatic recovery attempts.

Corrective Action

(None).

Syslog Message

Automatic recovery of Data Replication Module %s started.

Parameters

unit (STRING): The unit that is going to start recovery.

rdb.recovery.succeeded

Severity

NOTICE

Description

This message occurs when the cluster management Data Replication Module determines that an automatic recovery was successful.

Corrective Action

(None).

Syslog Message

Successful recovery of the local database of Data Replication Module %s.

Parameters

unit (STRING): The unit that finished recovery.

rdb.sql events

rdb.sql.revert.failed

Severity

ALERT

Description

This message occurs when the cluster management Data Replication Module could not revert its database from SQL to RDB.

Corrective Action

Contact Contact NetApp technical support. for assistance.

Syslog Message

Error: %s. Unable to revert the local database from SQL to RDB of Data Replication Module: %s.

Parameters

message (STRING): Error message.
unit (STRING): Unit that failed the RDB revert.

rdb.sql.revert.succeeded

Severity

NOTICE

Description

This message occurs when the cluster management Data Replication Module reverts its database from SQL to RDB.

Corrective Action

(None).

Syslog Message

Successful revert of the local database from SQL to RDB of Data Replication Module: %s. Duration: %s sec Tables: %llu Records: %llu

Parameters

unit (STRING): Unit that finished the revert.
duration (STRING): Duration of the revert in seconds.
tables (LONGINT): Number of tables processed.
records (LONGINT): Number of records processed.

rdb.sql.upgrade.failed

Severity

ERROR

Description

This message occurs when the cluster management Data Replication Module could not upgrade its database from RDB to SQL.

Corrective Action

Contact Contact NetApp technical support. for assistance.

Syslog Message

Error: %s. Unable to upgrade the local database from RDB to SQL of Data Replication Module: %s.

Parameters

message (STRING): Error message.
unit (STRING): Unit that failed the upgrade.

rdb.sql.upgrade.succeeded

Severity

NOTICE

Description

This message occurs when the cluster management Data Replication Module upgrades its database from RDB to SQL.

Corrective Action

(None).

Syslog Message

Successful upgrade of the local database from RDB to SQL of Data Replication Module: %s. Duration: %s sec Tables: %llu Records: %llu

Parameters

unit (STRING): Unit that finished the upgrade.
duration (STRING): Duration of the upgrade in seconds.
tables (LONGINT): Number of tables processed.
records (LONGINT): Number of records processed.

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