vldb events

ONTAP EMS reference

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vldb events

vldb.adtcons events

vldb.adtcons.rpcfailure

Severity

ERROR

Description

This message occurs when the Remote Procedure Call (RPC) from the Volume Location Database (VLDB) to the Management Gateway (MGWD) fails. This RPC updates the audit resource database when a volume belonging to a Vserver on a specific aggregate is deleted or moved from that aggregate and that volume is the last volume belonging to that Vserver residing on that aggregate.

Corrective Action

Update the audit resource database by creating a temporary volume belonging to the applicable Vserver and aggregate. The temporary volume can take the defaults for the following commands and does not need to be exported to clients for data access: 'volume create -volume volume_name -aggregate aggr_name -vserver vserverid' After creating the temporary volume, delete it manually by using the following command: 'volume delete -volume volume_name -vserver vserverid' This process updates the audit resource database in the cluster and recovers from this error condition. If the problem persists, contact NetApp technical support for assistance.

Syslog Message

RPC failure linked with the consolidation job for auditing on Vserver ID '%d', and aggregate '%s'.

Parameters

vserverid (INT): ID of the Vserver that owned the last volume deleted or moved from the aggregate.
aggruuid (STRING): UUID of the aggregate that owned the moved or deleted volume.

vldb.aggrbladeid events

vldb.aggrBladeID.missing

Severity

NOTICE

Description

This message occurs when the system discovers an inconsistency in the volume location database (VLDB). The VLDB contains information about volumes that are owned by a node with an unknown unique universal ID (UUID). This condition might arise if an aggregate is not owned by any of the nodes in the cluster, as in the case of aggregates at a MetroCluster® destination site.

Corrective Action

(None).

Syslog Message

The volume '%s' is located on the aggregate with UUID '%s' whose owning dblade UUID '%s' does not exist in the Volume Location Database.

Parameters

volume (STRING): Name of the volume.
aggregateUUID (STRING): UUID of the aggregate.
bladeUUID (STRING): UUID of the owning node.

vldb.aggregatename events

vldb.aggregateName.mismatch

Severity

INFORMATIONAL

Description

This message occurs when an aggregate's name in the Volume Location Database (VLDB) does not match the aggregate's current name on the node. This could happen if the name of the aggregate was changed or if another aggregate in the cluster has it's UUID changed to another aggregate's UUID in the cluster, as reported to the VLDB.

Corrective Action

(None).

Syslog Message

The aggregate '%s' with name '%s' on node '%s' does not match with the name '%s' in the VLDB.

Parameters

aggregate (STRING): UUID of the aggregate.
newName (STRING): New name of the aggregate on the node.
node (STRING): Name of the node.
existingName (STRING): Existing name of the aggregate in the VLDB.

vldb.aggregateuuid events

vldb.aggregateUUID.mismatch

Severity

INFORMATIONAL

Description

This message occurs when an aggregate's Universally Unique Identifier (UUID) in the Volume Location Database does not match the aggregate's current UUID. This could happen if the UUID of the aggregate was changed or if another aggregate in the cluster with the same name is plugged in.

Corrective Action

(None).

Syslog Message

The aggregate '%s' with UUID '%s' on node '%s' was changed to '%s' in the Volume Location Database.

Parameters

aggregate (STRING): Name of the aggregate.
existingUUID (STRING): Existing Universally Unique Identifier (UUID) of the aggregate.
node (STRING): Name of the node.
newUUID (STRING): New Universally Unique Identifier (UUID) of the aggregate.

vldb.aggregateUUID.missing

Severity

ERROR

Description

This message occurs due to a Volume Location Database inconsistency. The Volume Location Database contains a volume that exists on a aggregate whose universal unique identifier (UUID) is not in the Volume Location Database. This might happen if an aggregate that contains volumes is deleted: for example, through the maintenance menu.

Corrective Action

Contact technical support.

Syslog Message

The volume '%s' is located on the aggregate with UUID '%s' which does not exist in the Volume Location Database.

Parameters

volume (STRING): Name of the volume
aggregateUUID (STRING): Universal Unique Identifier (UUID) of the aggregate

vldb.aggrupdate events

vldb.aggrUpdate.noRepl

Severity

ERROR

Description

This message occurs in a MetroCluster(tm) configuration, when the blade UUID (Universal Unique Identifier) is updated on the local cluster, but a failure prevents the aggregate ownership update from being replicated to the remote cluster.

Corrective Action

Contact NetApp technical support for assistance.

Syslog Message

The ownership update of aggregates on blade UUID '%s' was not replicated to the remote cluster.

Parameters

bladeUUID (STRING): UUID of the Dblade owning the aggregate.

vldb.aggrvote events

vldb.aggrVote.noRepl

Severity

INFORMATIONAL

Description

This message occurs when a row of the aggr vote table is not replicated to the local table when an update is received from the remote cluster. Replication is skipped if the storage and NVRAM mirroring connectivity was indicated as down when the record was updated.

Corrective Action

(None).

Syslog Message

(None).

Parameters

aggrUUID (STRING): The UUID of the aggregate whose mirror vote was not replicated.
localNplexes (INT): The value of nplexes in the local table.
localPlex0 (INT): The value of plex0 id in the local table.
localPlex1 (INT): The value of plex1 id in the local table.
remoteNplexes (INT): The value of nplexes from the remote cluster update.
remotePlex0 (INT): The value of plex0 id from the remote cluster update.
remotePlex1 (INT): The value of plex1 id from the remote cluster update.

vldb.mccaggregate events

vldb.mccaggregate.rename

Severity

INFORMATIONAL

Description

This message occurs during MetroCluster(tm) configuration setup, when the aggregate at the destination site is renamed to handle a name collision. This can happen when an aggregate is renamed at the source site, which causes its mirror to be renamed at the destination site. It can also happen when an aggregate is created at the source site, which causes its mirror to be created at the destination site. In both cases, the issue is that an aggregate of the same name already exists on the destination site, resulting in a name collision. The aggregate at the destination is renamed to resolve the name collision.

Corrective Action

If desired, rename the aggregate at the source site to a name that does not collide with an existing name at the destination site. You can choose any new name that does not cause a name collision; the new name will be propagated to the destination site. If the old name is used in any scripts, you should also change those to the new name. If you choose not to rename the aggregate at the source site, the aggregate will have different names at the source and destination sites, but functionality is not affected.

Syslog Message

The aggregate with UUID '%s' and name '%s' is renamed at the MetroCluster configuration destination site as '%s'.

Parameters

uuid (STRING): Universally Unique Identifier (UUID) of the aggregate.
aggrNameStr (STRING): Name of the aggregate at the source site.
aggrRenameStr (STRING): Name of the aggregate at the destination site.

vldb.update events

vldb.update.duringsofail

Severity

EMERGENCY

Description

This message occurs when the aggregate ownership update fails during switchover. The update is initiated by the management gateway daemon (mgwd), to fetch aggregate information from all of the nodes in the cluster and to update the volume location database (VLDB).

Corrective Action

Contact NetApp technical support for assistance.

Syslog Message

Aggregate ownership update failed for node '%s'.

Parameters

hostname (STRING): Name of the node.

vldb.vldbaggr events

vldb.vldbAggr.missing

Severity

ERROR

Description

This message occurs when an aggregate is identified that does not exist in the Volume Location Database. This could happen if a disk shelf that constitutes an aggregate is plugged in or when an aggregate is created in Maintenance mode.

Corrective Action

If this is a new aggregate that must be added to the Volume Location Database, then use the (privilege: diag) "debug vreport" command to resolve the inconsistency in the VLDB: 1. Run "debug vreport show" to show the object name. 2. Run "debug vreport fix -type aggregate -object object-name". If this is a stale aggregate that must be removed, then contact support personnel.

Syslog Message

The aggregate "%s" with UUID "%s" on node "%s" does not exist in the Volume Location Database.

Parameters

aggregate (STRING): Name of the aggregate.
uuid (STRING): Universally Unique Identifier (UUID) of the aggregate.
node (STRING): Name of the node.

vldb.vsrootvol events

vldb.vsRootVol.del

Severity

INFORMATIONAL

Description

This message occurs when the Vserver root volume is force deleted while non-root volumes for the Vserver still exist in the cluster. Under normal circumstances, the Vserver root volume cannot be deleted until all the other volumes for the Vserver are deleted. Although deleting the Vserver root volume does not change the operational state for the Vserver, volume operations that refer to the Vserver root volume for information will fail if the corrective action is not taken.

Corrective Action

Assign an already existing data volume as the new root volume for the Vserver whose root volume was deleted by using the 'volume make-vsroot -vserver vserver_name -volume new_root_volume_name' command.

Syslog Message

The root volume '%s' for the Vserver with Vserver ID '%d' was force deleted while non-root volumes for the Vserver still exist in the cluster.

Parameters

volume (STRING): Root volume name that was deleted.
vserverid (INT): ID for the Vserver that owned the deleted root volume.

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