



smc events

ONTAP 9.14.1 EMS reference

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smc events

smc.cg events

smc.cg.snap.ren.revert.fail

Severity

ERROR

Description

This message occurs when a FlexGroup® Snapshot copy rename fails and the revert to the original Snapshot copy name also fails.

Corrective Action

Manually rename the Snapshot copy by issuing the "snapshot rename" command.

Syslog Message

Unable to revert Snapshot copy name from the new name, "%s" to oldname "%s" in volume "%s".

Parameters

newsnapname (STRING): New Snapshot copy name.

origsnapname (STRING): Original Snapshot copy name.

dstpath (STRING): Path name of the destination volume to which the Snapshot copy rename was issued.

error (INT): Error code of the failure.

smc.dst events

smc.dst.snapshot.op

Severity

NOTICE

Description

This message occurs when SnapMirror creates or deletes a Snapshot copy with a SnapMirror label on a FlexVol destination volume of a SnapMirror® relationship.

Corrective Action

(None).

Syslog Message

SnapMirror Snapshot %s %s on destination volume %s, label %s, instance UUID %s, version UUID %s, relationship UUID %s.

Parameters

operation (STRING): Snapshot copy operation either "create" or "delete".

snapname (STRING): Snapshot copy name.

dstpath (STRING): Path name of the destination volume of the SnapMirror relationship.

snaplabel (STRING): SnapMirror label of the Snapshot copy.

instance_uuid (STRING): Instance UUID of the Snapshot copy.

version_uuid (STRING): Version UUID of the Snapshot copy.

relationshipID (STRING): UUID of the SnapMirror relationship.

smc.frest events

smc.frest.snap.delete.fail

Severity

ERROR

Description

This message occurs when a SnapMirror file restore operation fails to delete a local file restore Snapshot copy on the destination volume.

Corrective Action

Manually delete snapshot by issuing snapshot delete command.

Syslog Message

Unable to delete Snapshot copy '%s' from volume '%s'.

Parameters

snapname (STRING): Snapshot copy that was not deleted.

dstpath (STRING): Path name of the destination volume to which restore was issued.

smc.restore events

smc.restore.src.cleanup.fail

Severity

ERROR

Description

This message occurs when a SnapMirror restore operation or a SnapMirror restore cleanup operation fails to cleanup a SnapMirror restore source relationship information. This issue can happen regardless of the success or failure of the SnapMirror operation.

Corrective Action

If the SnapMirror restore operation or the SnapMirror restore cleanup operation has failed, check the reason for the error, take action accordingly, and then run the command again. If the operation has succeeded, run the "snapmirror list-destinations -type RST" command on the cluster containing the source information for the SnapMirror restore relationship, and identify the corresponding relationship. Then remove the stale entry by running the "snapmirror release -destination-path <dst_path> -source-path <src_path>" command.

Syslog Message

Restore of volume '%s' from volume '%s' with relationship UUID '%s' failed to remove source information for the relationship.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror restore relationship.

dstpath (STRING): Path name of the destination volume of the SnapMirror restore relationship.

relationshipID (STRING): Relationship UUID.

smc.snap events

smc.snap.upd.retention.fail

Severity

ERROR

Description

This message occurs when a SnapMirror operation fails to copy the retention period of a Snapshot copy from the source endpoint to the destination endpoint because the ONTAP® version of the destination cluster does not support copying the retention period. This issue can happen regardless of the success or failure of the SnapMirror operation.

Corrective Action

Check the ONTAP version of the destination cluster using the command "system image show -node <node_name> -iscurrent true -fields version". If the ONTAP version of the destination cluster is earlier than ONTAP 9.12.1 then copying the retention period is not supported on the destination cluster. The destination cluster should be upgraded to ONTAP 9.12.1 or later to copy the retention period of Snapshot copies from the source to the destination.

Syslog Message

The SnapMirror relationship with relationship UUID "%s" will not copy the retention period of a Snapshot copy from the source volume "%s" to the destination volume "%s" because the ONTAP version of the destination cluster does not support copying the retention period.

Parameters

relationshipID (STRING): Relationship UUID.

srcpath (STRING): Path name of the source endpoint of the SnapMirror relationship.

dstpath (STRING): Path name of the destination endpoint of the SnapMirror relationship.

smc.snapmir events

smc.snapmir.dst.invalidType

Severity

ERROR

Description

This message occurs when the destination volume of a SnapMirror® relationship is not of -type Data Protection (DP) and a 'snapmirror initialize' operation is attempted. A volume must be of -type DP to accept a 'snapmirror initialize' operation.

Corrective Action

Use a different volume of -type DP, or use the 'volume create' command to create a new volume of -type DP to use as a destination of the SnapMirror relationship. You cannot modify the type of a volume using the 'volume modify' command.

Syslog Message

Destination volume '%s' of a SnapMirror relationship is not of -type DP. Relationship UUID '%s'.

Parameters

dstpath (STRING): Path name of the destination volume of the SnapMirror relationship.

relationshipID (STRING): UUID of the snapmirror relationship.

smc.snapmir.frest.clean.fail

Severity

ERROR

Description

This message occurs when SnapMirror® fails to clean up fenced files and file restore restartability information on a volume and no more retries will be attempted.

Corrective Action

Check the reason for the error, take action accordingly and issue 'snapmirror restore -file-restore-clean-up true' on the volume in diagnostic mode.

Syslog Message

File restore clean up on volume '%s' failed with error '%s'.

Parameters

dstpath (STRING): Path name of the volume.

error (STRING): Error message.

smc.snapmir.init.fail

Severity

ERROR

Description

This message occurs when a SnapMirror® 'initialize' command fails and no more retries will be attempted.

Corrective Action

Check the reason for the error, take action accordingly, and issue the command again.

Syslog Message

Initialize from source volume '%s' to destination volume '%s' failed with error '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume to which the initialize failed.

error (STRING): Error message.

relationshipID (STRING): Relationship UUID.

smc.snapmir.lrb.auto.resync

Severity

INFORMATIONAL

Description

This message occurs when the latest Snapshot® copy on the SnapMirror® or SnapVault® destination is not the base Snapshot copy and the source volume is read-only. Generally this is a rare event and a local-rollback-based SnapMirror resync will be attempted to automatically recover from this situation. If this event occurs frequently, it is likely that the Snapshot policy on the primary volume in the cascade is deleting Snapshot copies too soon.

Corrective Action

Check the Snapshot policy on the primary (read-write) volume and increase the retention count of the Snapshot copies that must be backed up all the way to the destination.

Syslog Message

Latest Snapshot copy %s on the destination %s is not the base Snapshot copy. Attempting a local rollback based SnapMirror resync to correct this issue.

Parameters

snap_name (STRING): Name of the latest Snapshot copy on the SnapMirror or SnapVault destination.
dst_path (STRING): Destination volume of the SnapMirror/SnapVault relationship.

smc.snapmir.partnr.noconnect

Severity

ERROR

Description

This message occurs when a SnapMirror® Sync relationship cannot detect the heartbeat signal from the partner node.

Corrective Action

Check the network connection between the source and destination volumes by using the "net interface show -role intercluster -status-admin up" command.

Syslog Message

Source volume "%s" and destination volume "%s" with relationship UUID "%s" lost heartbeat to partner node.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.
dstpath (STRING): Path name of the destination volume of the SnapMirror relationship.
relationship_id (STRING): Relationship UUID.

smc.snapmir.release.fail

Severity

ERROR

Description

This message occurs when a SnapMirror® 'release' command fails and no more retries will be attempted.

Corrective Action

Check the reason for the error, take action accordingly, and issue the command again.

Syslog Message

Release on the source volume '%s' for destination volume '%s' failed with error '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.
dstpath (STRING): Path name of the destination volume to which the resync failed.
error (STRING): Error message.
relationshipID (STRING): Relationship UUID.

smc.snapmir.restore.fail

Severity

ERROR

Description

This message occurs when a SnapMirror® 'restore' command fails and no more retries will be attempted.

Corrective Action

Check the reason for the error, take action accordingly, and issue the command again.

Syslog Message

Restore of volume '%s' from volume '%s' failed with error '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.
dstpath (STRING): Path name of the destination volume to which the resync failed.
error (STRING): Error message.
relationshipID (STRING): Relationship UUID.

smc.snapmir.resync.fail

Severity

ERROR

Description

This message occurs when a SnapMirror® 'resync' command fails and no more retries will be attempted.

Corrective Action

Check the reason for the error, take action accordingly, and issue the command again.

Syslog Message

Resync from source volume '%s' to destination volume '%s' failed with error '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.
dstpath (STRING): Path name of the destination volume to which the resync failed.
error (STRING): Error message.
relationshipID (STRING): Relationship UUID.

smc.snapmir.schd.trans.overrun

Severity

ERROR

Description

This message occurs when a scheduled SnapMirror® transfer overruns the schedule window.

Corrective Action

Check the reason for the schedule overrun and take action accordingly.

Syslog Message

Scheduled transfer from source volume '%s' to destination volume '%s' is taking longer than the schedule window. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume of the scheduled transfer.

relationshipID (STRING): Relationship UUID.

smc.snapmir.suspending.io

Severity

ALERT

Description

This message occurs when SnapMirror® I/O has been suspended, due either to a loss of connectivity between the SnapMirror Mediator software and partner, or to a denial of network access by the Mediator software.

Corrective Action

Check the status of the connection to the Mediator software by using the "net interface show -role intercluster -status-admin up" command.

Syslog Message

Suspending I/O as with relationship UUID "%s".

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume of the SnapMirror relationship.

relationship_id (STRING): Relationship UUID.

error_msg (STRING): Description of the error responsible for the suspension.

smc.snapmir.tb.noconnect

Severity

ERROR

Description

This message occurs when an ONTAP® node is not reachable from the SnapMirror® Mediator software.

Corrective Action

Check the network connection between the source and destination volumes, by using the "network ping -node node_name" command.

Syslog Message

Connection lost to the Mediator software from node: %s, with relationship UUID "%s".

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume of the SnapMirror relationship.

relationship_id (STRING): Relationship UUID.

node (STRING): Node name.

mediator_id (STRING): IP of the Mediator.

smc.snapmir.unexpected.err

Severity

ERROR

Description

This message occurs when a SnapMirror® operation encounters an unexpected error.

Corrective Action

Retry the SnapMirror operation. If the problem persists, contact NetApp technical support.

Syslog Message

SnapMirror unexpected error '%s'. Relationship UUID '%s'. Operation UUID '%s'.

Parameters

error (STRING): Error message.

relationshipID (STRING): Relationship UUID.

operationID (STRING): Operation UUID.

smc.snapmir.unsupp.nvmf

Severity

ERROR

Description

This message occurs when a SnapMirror® operation encounters an NVMe Namespace that is not supported on the destination side.

Corrective Action

Upgrade the destination to a version that supports NVMe Namespace objects.

Syslog Message

SnapMirror unsupported NVMe Namespace. Relationship UUID '%s'.

Parameters

relationshipID (STRING): Relationship UUID.

smc.snapmir.unsupp.nvmf.ns

Severity

ERROR

Description

This message occurs when a SnapMirror® operation encounters a 512-byte block size NVMe namespace that is not supported on the destination.

Corrective Action

Upgrade the destination to a version that supports 512-byte block size NVMe namespace objects.

Syslog Message

SnapMirror unsupported 512-byte block size NVMe namespace. Relationship UUID '%s'.

Parameters

relationshipID (STRING): Relationship UUID.

smc.snapmir.update.fail

Severity

ERROR

Description

This message occurs when a scheduled SnapMirror® transfer fails.

Corrective Action

Check the snapmirror_error log in the destination filer and take action accordingly.

Syslog Message

Snapmirror update from source volume '%s' to destination volume '%s' failed with error '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume to which the snapmirror transfer failed.

error (STRING): Error message.

relationshipID (STRING): Relationship UUID.

smc.snapmirror events

smc.snapmirror.xfer.complete

Severity

INFORMATIONAL

Description

This message occurs when a SnapMirror® transfer completes successfully.

Corrective Action

(None).

Syslog Message

Snapmirror transfer from source volume '%s' to destination volume '%s' is successful. '%s'. Relationship UUID '%s'.

Parameters

srcpath (STRING): Path name of the source volume of the SnapMirror relationship.

dstpath (STRING): Path name of the destination volume to which the snapmirror transfer failed.

info (STRING): Transfer information.

relationshipID (STRING): Relationship UUID.

smc.tot events

smc.tot.bytes.write.fail

Severity

NOTICE

Description

This message occurs when SnapMirror is unable to update the latest total transfer bytes value of the SnapMirror relationship. The total transfer bytes for the relationship might be incorrect.

Corrective Action

(None).

Syslog Message

SnapMirror is unable to update the latest total transfer bytes value for the relationship with relationship UUID "%s" and destination "%s".

Parameters

relationshipID (STRING): Relationship UUID.

dstPath (STRING): Path name of the destination endpoint of the SnapMirror relationship.

smc.vlt events

smc.vlt.cascade.xfer.fail

Severity

ERROR

Description

This message occurs when the transfer for the SnapVault® relationship replicating the read-only source volume fails because the SnapMirror® policy prevents it from transferring the exported Snapshot® copy from the source. Generally this happens when the "keep" value of the rule associated with the SnapMirror label of the exported Snapshot copy is reached and the "preserve" flag is set to "true".

Corrective Action

Modify the rule for the SnapMirror policy associated with the SnapMirror label of the exported Snapshot copy on the source volume and either set the "preserve" flag to "false" or increase the "keep" count.

Syslog Message

Unable to transfer any Snapshot copies to %s because the exported Snapshot copy %s with snapmirror-label %s has a rule whose "keep" value has been reached and the "preserve" flag is set to "true".

Parameters

dst_path (STRING): Destination volume of the SnapVault relationship.

snap_name (STRING): Name of the exported Snapshot copy on the source volume.

snapmirror_label (STRING): SnapMirror label associated with the exported Snapshot copy.

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