



smbc events

ONTAP EMS reference

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smbc events

smbc.aufo events

smbc.aufo.completed

Severity

NOTICE

Description

This message occurs when the SnapMirror® active sync automatic unplanned failover operation completes.

Corrective Action

(None).

Syslog Message

SnapMirror automatic failover completed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.aufo.during.expand

Severity

NOTICE

Description

This message occurs when a SnapMirror® active sync automatic unplanned failover operation starts while a SnapMirror® active sync expand operation is in progress. The new volumes of the consistency group that are going through the expand operation do not participate in the failover and remain as data protection (DP) after completion of failover.

Corrective Action

(None).

Syslog Message

Automatic unplanned failover has started on the SnapMirror® active sync relationship while the relationship is expanding. The new volumes of the consistency group that are going through the expand operation do not participate in the failover and remain as DP after completion of failover.

Parameters

dstpath (STRING): Path name for the destination consistency group of SnapMirror® active sync relationship.

smbc.aufo.failed

Severity

ERROR

Description

This message occurs when the SnapMirror® active sync automatic unplanned failover operation fails.

Corrective Action

Perform "snapmirror delete -destination-path destination_path" followed by "snapmirror break" on the volumes.

Syslog Message

SnapMirror automatic failover failed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.aufo.failover.incapable**Severity**

ERROR

Description

This message occurs when the SnapMirror® active sync automatic unplanned failover operation fails because the destination site is not failover capable.

Corrective Action

Before applying corrective action, the User must ensure that the primary/master copy is unavailable, otherwise the assumption is that Master copy is actively being used by the Application workload. Perform "snapmirror delete -destination-path destination_path" followed by "snapmirror break" on the volumes.

Syslog Message

SnapMirror automatic failover encountered a failure because the site with destination path "%s" is not failover-capable.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.aufo.io.outage.complete**Severity**

NOTICE

Description

This message occurs when I/O can resume after an automatic unplanned failover of a SnapMirror® active sync relationship.

Corrective Action

(None).

Syslog Message

In the automatic unplanned failover of the SnapMirror® active sync relationship with destination path %s and relationship-ID %s, I/O disruption started at %s and lasted for %u msec. Mediator Agent processing started at %s and lasted for %u msec.

Parameters

dstpath (STRING): Destination path of the SnapMirror® active sync relationship.

cg_rel_id (STRING): ID of the SnapMirror® active sync relationship.

io_outage_start_time (STRING): I/O disruption start time.

io_outage_latency (LONGINT): I/O disruption window (msecs).

tba_trigger_start_time (STRING): Mediator Agent processing start time.

tba_trigger_latency (LONGINT): Mediator Agent processing window (msecs).

smbc.aufo.queued

Severity

NOTICE

Description

This message occurs when the SnapMirror® active sync relationship automatic unplanned failover operation is queued.

Corrective Action

(None).

Syslog Message

SnapMirror® active sync automatic unplanned operation failover queued. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.aufo.start

Severity

NOTICE

Description

This message occurs when the SnapMirror® active sync automatic unplanned failover operation starts.

Corrective Action

(None).

Syslog Message

SnapMirror automatic failover started. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.avail events

smbc.avail.aufoDisabled

Severity

ERROR

Description

This message occurs when the primary-bias state is set for the secondary endpoints of the SnapMirror® active sync relationships because both of the SnapMirror® active sync clusters lose connectivity to the ONTAP Mediator. It prevents an automatic unplanned failover operation on the secondary endpoints.

Corrective Action

Check the network connection and restore the access to the ONTAP Mediator.

Syslog Message

Primary-bias state is set for the secondary endpoints of the SnapMirror® active sync relationships. ONTAP Mediator IP: "%s", Peer cluster: "%s".

Parameters

ipAddress (STRING): ONTAP Mediator IP address.

peerCluster (STRING): Peer cluster name.

smbc.avail.aufoEnabled

Severity

NOTICE

Description

This message occurs when the primary-bias state is cleared for the secondary endpoints of the SnapMirror® active sync relationships. It resumes the ONTAP Mediator assisted automatic unplanned failover operation on secondary endpoints.

Corrective Action

(None).

Syslog Message

Primary-bias state is cleared for the secondary endpoints of the SnapMirror® active sync relationships. ONTAP Mediator IP: "%s", Peer cluster: "%s".

Parameters

ipAddress (STRING): ONTAP Mediator IP address.

peerCluster (STRING): Peer cluster name.

smbc.avail.primaryBias

Severity

ERROR

Description

This message occurs when the primary-bias state is set for the primary endpoints of the SnapMirror® active sync relationships because both of the SnapMirror® active sync clusters lose connectivity to the ONTAP Mediator. It allows primary endpoints to drive the consensus locally without depending on the ONTAP Mediator.

Corrective Action

Check the network connection and restore the access to the ONTAP Mediator.

Syslog Message

Primary-bias state is set for the primary endpoints of the SnapMirror® active sync relationships. ONTAP Mediator IP: "%s", Peer cluster: "%s".

Parameters

ipAddress (STRING): ONTAP Mediator IP address.
peerCluster (STRING): Peer cluster name.

smbc.avail.primaryBiasNoMed

Severity

NOTICE

Description

This message occurs when the primary-bias state is set for the endpoints of the SnapMirror active sync relationships because the ONTAP Mediator is not configured between the cluster pair. It allows the primary endpoints of the SnapMirror active sync relationships to drive the I/O serving consensus without depending on the peer cluster when there is a network partition between the cluster pair.

Corrective Action

(None).

Syslog Message

Primary-bias state is set for the endpoints of the SnapMirror active sync relationships. Peer cluster: %s.

Parameters

peerCluster (STRING): Peer cluster name.

smbc.avail.primaryBiasRemove

Severity

NOTICE

Description

This message occurs when the primary-bias state is removed for the endpoints of the SnapMirror active sync relationships because the ONTAP Mediator is not configured between the cluster pair, and one or both of the clusters are running an ONTAP version older than 9.15.1. The primary endpoints are required to communicate to the peer cluster to establish the I/O serving consensus when there is a network partition between the cluster pair.

Corrective Action

(None).

Syslog Message

Primary-bias state is removed for the endpoints of the SnapMirror active sync relationships. Peer cluster: %s.

Parameters

peerCluster (STRING): Peer cluster name.

smbc.avail.primaryBiasReset

Severity

NOTICE

Description

This message occurs when the primary-bias state is cleared for the primary endpoints of the SnapMirror® active sync relationships. It resumes the three-way quorum involving the ONTAP Mediator and peer cluster to derive consensus.

Corrective Action

(None).

Syslog Message

Primary-bias state is cleared for the primary endpoints of the SnapMirror® active sync relationships.
ONTAP Mediator IP: "%s", Peer cluster: "%s".

Parameters

ipAddress (STRING): ONTAP Mediator IP address.
peerCluster (STRING): Peer cluster name.

smbc.cg events

smbc.cg.info.read.failed

Severity

ERROR

Description

This message occurs when read of Consistency Group aggregate information entry fails for the SnapMirror® active sync volume which results into IO disruption.

Corrective Action

To recover from this situation, perform below steps : Run wafiron on the aggregate hosting the SnapMirror® active sync volume which failed during mount time. Run resync on all the SnapMirror® active sync CG relationships present in the aggregate on which wafiron executed.

Syslog Message

Read of Consistency Group aggregate information entry failed for source volume DSID: "%llu" during "%s" because Consistency Group aggregate information file is corrupted.

Parameters

source_volume_dsid (LONGINT): Source Volume DSID
operation (STRING): Name of operation

smbc.cg.info.update.failed

Severity

ERROR

Description

This message occurs when add or delete of Consistency Group aggregate information entry fails for the SnapMirror® active sync volume which results into IO disruption.

Corrective Action

To recover from this situation, perform below steps : Run wafiron on the aggregate hosting the SnapMirror® active sync volume which failed during mount time. Run resync on all the SnapMirror® active sync CG relationships present in the aggregate on which wafiron executed.

Syslog Message

"%s" of Consistency Group aggregate information entry failed for source volume DSID: "%llu" because Consistency Group aggregate information file is corrupted.

Parameters

metafile_update_type (STRING): Name of aggregate metafile update type
volume_dsid (LONGINT): Volume DSID

smbc.fanout events

smbc.fanout.svms.not.peered

Severity

ERROR

Description

This message occurs when ONTAP® detects that source volumes of SnapMirror® active sync relationships are involved in an async fanout protection, but the two destination storage virtual machine (SVM)s are not peered with each other. This prevents an automatic reconfiguration of the async protection when the source volumes failover.

Corrective Action

1. Use the "cluster peer show" command to verify that the SnapMirror fanout destination and SnapMirror active sync destination clusters are peered.
2. Use the "cluster peer create" command on both clusters to peer the clusters together.
3. Use the "vserver peer show" command to verify that the SnapMirror fanout destination and SnapMirror active sync destination SVMs are peered.
4. Use the "vserver peer create" and "vserver peer accept" commands to peer the SVMs together.

Syslog Message

SnapMirror fanout destination SVM "%s" and SnapMirror active sync destination SVM "%s" are not peered. Use command "cluster peer show" to verify if SnapMirror fanout destination cluster "%s" and SnapMirror active sync destination cluster "%s" are peered.

Parameters

asyncDstSvmName (STRING): SnapMirror fanout destination SVM name.
syncDstSvmName (STRING): SnapMirror active sync destination SVM name.
asyncDstClusterName (STRING): SnapMirror fanout destination cluster name.
syncDstClusterName (STRING): SnapMirror active sync destination cluster name.

smbc.pfo events

smbc.pfo.completed

Severity

NOTICE

Description

This message occurs when the SnapMirror® active sync planned failover operation completes.

Corrective Action

(None).

Syslog Message

SnapMirror® active sync planned failover operation completed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.pfo.failed

Severity

ERROR

Description

This message occurs when the SnapMirror® active sync planned failover operation fails.

Corrective Action

Determine the cause of the failure by using the "snapmirror failover show -fields error-reason" command. After addressing the cause, retry the "snapmirror failover start -destination-path destination_path" command.

Syslog Message

SnapMirror® active sync planned failover operation failed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.pfo.io.outage.compl.dst

Severity

NOTICE

Description

This message occurs when the secondary (erstwhile) side conversion completes after a planned failover operation of a SnapMirror® active sync relationship.

Corrective Action

(None).

Syslog Message

In the planned failover of the SnapMirror® active sync relationship with destination path %s and relationship-ID %s, the destination side I/O disruption started at %s and lasted for %u msecs.

Parameters

dstpath (STRING): Destination path of the SnapMirror® active sync relationship.
cg_rel_id (STRING): ID of the SnapMirror® active sync relationship.
start_time (STRING): I/O disruption start time.
latency (LONGINT): I/O disruption window (msecs).

smbc.pfo.io.outage.compl.src

Severity

NOTICE

Description

This message occurs when the primary (erstwhile) side conversion completes after a planned failover operation of a SnapMirror® active sync relationship and IO outage completes as the Report Target Port Group(RTPG) is consistent.

Corrective Action

(None).

Syslog Message

In the planned failover of the SnapMirror® active sync relationship with destination path %s and relationship-ID %s, the source side I/O disruption started at %s and lasted for %u msecs.

Parameters

dstpath (STRING): Destination path of the SnapMirror® active sync relationship.
cg_rel_id (STRING): ID of the SnapMirror® active sync relationship.
start_time (STRING): I/O disruption start time.
latency (LONGINT): I/O disruption window (msecs).

smbc.pfo.start

Severity

NOTICE

Description

This message occurs when the SnapMirror® active sync planned failover operation starts.

Corrective Action

(None).

Syslog Message

SnapMirror® active sync planned failover operation started. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

smbc.policy events

smbc.policy.reassign

Severity

NOTICE

Description

This message occurs when the system detects during a flip on a SnapMirror® Sync relationship that the custom policy has been deleted from the source cluster and automatically falls back to the system policy of type "automated-failover".

Corrective Action

(None).

Syslog Message

The custom policy has been deleted from the source cluster so the SnapMirror Sync relationship with destination path: %s has been assigned "AutomatedFailover" policy.

Parameters

dstpath (STRING): Path name of the destination group of the SnapMirror® active sync relationship.

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