



smbc events

ONTAP 9.13.1 EMS reference

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smbc events

smbc.aufo events

smbc.aufo.completed

Severity

NOTICE

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) 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 SMBC relationship.

smbc.aufo.during.expand

Severity

NOTICE

Description

This message occurs when a SnapMirror® Business Continuity (SM-BC) automatic unplanned failover operation starts while a SnapMirror Business Continuity 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 Business Continuity 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 SM-BC relationship.

smbc.aufo.failed

Severity

ERROR

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) 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 SMBC relationship.

smbc.aufo.failover.incapable

Severity

ERROR

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) 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 SMBC 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 Business Continuity (SMBC) relationship.

Corrective Action

(None).

Syslog Message

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

Parameters

dstpath (STRING): Destination path of the SMBC relationship.
cg_rel_id (STRING): ID of the SMBC 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® Business Continuity (SMBC) automatic unplanned failover operation is queued.

Corrective Action

(None).

Syslog Message

SnapMirror Business Continuity (SMBC) automatic unplanned operation failover queued. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SMBC relationship.

smbc.aufo.start

Severity

NOTICE

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) 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 SMBC 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 Business Continuity (SMBC) relationships because both of the SMBC 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 SMBC 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 Business Continuity (SMBC) 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 SMBC 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 Business Continuity (SMBC) relationships because both of the SMBC 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 SMBC relationships. ONTAP Mediator IP: "%s", Peer cluster: "%s".

Parameters

ipAddress (STRING): ONTAP Mediator IP address.

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 Business Continuity (SMBC) 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 SMBC 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® Business Continuity (SMBC) volume which results into IO disruption.

Corrective Action

To recover from this situation, perform below steps : Run wafiron on the aggregate hosting the SMBC volume which failed during mount time. Run resync on all the SMBC 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® Business Continuity (SMBC) volume which results into IO disruption.

Corrective Action

To recover from this situation, perform below steps : Run wafiron on the aggregate hosting the SMBC volume which failed during mount time. Run resync on all the SMBC 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.pfo events

smbc.pfo.completed

Severity

NOTICE

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) planned failover operation completes.

Corrective Action

(None).

Syslog Message

SMBC planned failover operation completed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SMBC relationship.

smbc.pfo.failed

Severity

ERROR

Description

This message occurs when the SnapMirror® Business Continuity (SMBC) 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

SMBC planned failover operation failed. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SMBC 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 Business Continuity (SMBC) relationship.

Corrective Action

(None).

Syslog Message

In the planned failover of the SMBC relationship with destination path %s and relationship-ID %s, the destination side I/O disruption started at %s and lasted for %u msec.

Parameters

dstpath (STRING): Destination path of the SMBC relationship.

cg_rel_id (STRING): ID of the SMBC relationship.

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

latency (LONGINT): I/O disruption window (msec).

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 Business Continuity (SMBC) 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 SMBC 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 SMBC relationship.

cg_rel_id (STRING): ID of the SMBC 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® Business Continuity (SMBC) planned failover operation starts.

Corrective Action

(None).

Syslog Message

SMBC planned failover operation started. Destination path: %s.

Parameters

dstpath (STRING): Path name of the destination group of the SMBC 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 Business Continuity relationship.

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