



## **smbc events**

### **ONTAP 9.14.1 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 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.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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