NetApp

vol events

ONTAP 9.14.1 EMS reference

NetApp
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vol events

vol.clone events

vol.clone.split.optimized

Severity

NOTICE

Description

This message occurs when the clone split of a volume clone takes the optimized path which uses an Azure copy blob operation to copy objects from the parent volume to the clone.

Corrective Action

(None).

Syslog Message

Clone split of volume "%s" hosted on FabricPool "%s" takes the optimized path using Azure copy blob operation.

Parameters

volume_name (STRING): Volume clone.
aggregate_name (STRING): Aggregate which hosts the volume clone.

vol.duplicate events

vol.duplicate.msid

Severity

EMERGENCY

Description

This message occurs when a duplicate master set ID (MSID) has been detected. This situation might cause ONTAP to incorrectly group together the constituents of separate FlexGroup volumes. This might result in inconsistencies, as ONTAP creates directories and files across separate FlexGroup volumes. This might lead ONTAP to mark FlexGroup volume constituents as inconsistent and take them offline. ONTAP might even mark the entire aggregate as inconsistent and take it offline.

Corrective Action

Contact NetApp technical support immediately.

Syslog Message

Duplicate MSID "%lu" has been detected in SVM "%s". The duplicate MSID is used for volumes "%s" and "%s".

Parameters

volumeMsid (LONGINT): MSID of the volumes.
vserverName (STRING): Name of the storage virtual machine (SVM) on which the volumes reside.
firstVolName (STRING): Name of the first volume with the duplicate MSID.
secondVolName (STRING): Name of the second volume with the duplicate MSID.

vol.inconsistent events

vol.inconsistent.modify

Severity

INFORMATIONAL

Description

This message occurs when the "vol inconsistent" command is used to modify a volume's state.

Corrective Action

(None).

Syslog Message

Volume %s: 'vol inconsistent' command used to change inconsistent state to '%s'.

Parameters

vol (STRING): Name of the volume.
state (STRING): State of the action "set" or "clear".

vol.language events

vol.language.changed

Severity

INFORMATIONAL

Description

This event is issued when the language of an aggregate or a volume is changed.

Corrective Action

(None).

Syslog Message

Language on %s %s changed to %s

Parameters

vol_type (STRING): Whether this event is generated for an aggregate or a flexible volume.
vol (STRING): The name of the volume or aggregate
lang (STRING): The name of the changed language of the volume or aggregate.

vol.language.openFailed

Severity

ERROR

Description

This message occurs when an attempt to open the language file fails.

Corrective Action

Check whether the language file exists. Retry the command based on the reason for failure.

Syslog Message

Failed to open the language file %s, error message: %s

Parameters

file_name_location (STRING): Language file name and location.
error_str (STRING): Reason for the error.

vol.language.unspecified

Severity

INFORMATIONAL

Description

This event is issued when ONTAP detects that there is no language specified for the volume or aggregate. The referenced volume or aggregate language will default to "C" (POSIX). See the na_vol.1 man page for the list of supported languages.

Corrective Action

If the volume is not read-only, use the 'vol lang' command to correct the language of the volume. See the na_vol.1 man page for details about using the 'vol lang' command.

Syslog Message

Language not set on %s %s. Using language config "C". %s

Parameters

vol_type (STRING): Whether this error occurred for an aggregate or a flexible volume
vol (STRING): The name of the volume or aggregate
lang_command (STRING): If the volume is not read-only, this parameter contains an explanation of what you can do to set the language for the volume.

vol.log events

vol.log.overalloc

Severity

ALERT

Description

This message occurs when the volume or aggregate allocates more space than it can honor by way of reservations, or the aggregate has allocated more space than it can honor by way of guarantees. If the reserved or guaranteed space is consumed, there is insufficient physical space, which can cause the volume or aggregate to be taken offline.

Corrective Action

Create space by increasing the volume or aggregate size, deleting data, deleting Snapshot® copies, or changing the provisioning from thick to thin. To increase a volume's size, use the "volume size" command. To delete a volume's Snapshot® copies, use the "volume snapshot delete" command. To change provisioning in a volume, reserved files can be unreserved by using the "volume file reservation" command.

To increase an aggregate's size, add disks by using the "storage aggregate add-disks" command. Aggregate Snapshot® copies are deleted automatically when the aggregate is full. To change provisioning of a volume in an aggregate, change the volume guarantee from "volume" to "none" by using the "space-guarantee" field of the "volume modify" command.

Syslog Message

%s %s%s%s is logically overallocated, using %s%% logical space and %s%% physical space.

Parameters

object_type (STRING): Identifier for the type of object to which this event applies (aggregate or volume).
name (STRING): Name of this object.
app (STRING): Application UUID.
vserver_uuid (STRING): Universal Unique ID (UUID) of the object's Vserver, if the object is a volume. Otherwise, this string is empty.
percent_logically_full (STRING): Used capacity of the logical space of the object, as a percent. This value can be greater than 100 due to space reserved for metadata. The percentage is computed for the entire object, including Snapshot® copy space, and is equivalent to the "Total Used" field in the output of the "volume show-space" or "aggregate show-space" commands.
percent_physically_full (STRING): Used capacity of the physical space of the object, as a percent. This value can be greater than 100 due to space reserved for metadata. The percentage is computed for the entire object, including Snapshot® copy space, and is equivalent to the "Total Physical Used" field in the output of the "volume show-space" or "aggregate show-space" commands.

vol.log.overalloc.inc.sav

Severity

ALERT

Description

This message occurs when the volume allocates more space than it can honor. Allocated space is based on all of the physical used blocks, reservations, and space saved by storage efficiency features.

Corrective Action

Create space by increasing the volume size, deleting data or their reservations, or deleting Snapshot copies. To increase volume size, use the "volume size" command. To delete Snapshot copies, use the "volume snapshot delete" command.

Syslog Message

%s %s%s%s (UUID %s) is logically overallocated using %s%% space, which considers space saved by storage efficiency features as well as physically used blocks and reservations.

Parameters

object_type (STRING): Identifier for the type of object to which this event applies. This event should be applicable only to volumes with logical space enforcement enabled.
name (STRING): Name of this object.
app (STRING): Application Universally Unique ID (UUID).
vserver_uuid (STRING): UUID of the object's or volume's Vserver.
object_uuid (STRING): UUID of the object or volume.
percent_full (STRING): Used capacity of the logical space of the object, along with reservations and space saved by the storage efficiency features, as a percentage. This value can be greater than 100 due to space reserved for metadata. The percentage is computed for the entire object, including Snapshot(tm) copy space, and is equivalent to the "logical-used" field in the output of the "volume show-space" command.

vol.max events

vol.max.size.increased

Severity

INFORMATIONAL

Description

This message occurs as a reminder that the maximum volume size limit is increased from the default value defined in the Platform Specific Module (PSM) table.

Corrective Action

(None).

Syslog Message

Maximum volume size limit is increased from %ld TB to %ld TB.

Parameters

old_limit (LONGINT): Original volume size limit as defined in the PSM table.
new_limit (LONGINT): New maximum volume size limit.

vol.mount events

vol.mount.readOnly

Severity

INFORMATIONAL

Description

This message occurs when a volume or aggregate is mounted as read-only.

Corrective Action

(None).

Syslog Message

Mounting vol/aggr '%s' readonly due to 'online -ro' command.

Parameters

name (STRING): Name of the volume or aggregate.

vol.phy events

vol.phy.overalloc.inc.sav

Severity

EMERGENCY

Description

This message occurs when the volume is running dangerously low on free blocks to write to. Free blocks are estimated based on the space saved by the storage efficiency features as well as with physically used

blocks.

Corrective Action

Create space by increasing the volume size, deleting data, or deleting Snapshot copies. To increase volume size, use the "volume size" command. To delete Snapshot copies, use the "volume snapshot delete" command.

Syslog Message

%s %s%s%s (UUID %s) is physically overallocated using %s%% space, which considers space saved by storage efficiency features as well as physically used blocks.

Parameters

object_type (STRING): Identifier for the type of object to which this event applies. This event should be applicable only to volumes with logical space enforcement turned on.
name (STRING): Name of this object.
app (STRING): Application Universally Unique ID (UUID).
vserver_uuid (STRING): UUID of the object's or volume's Vserver.
object_uuid (STRING): UUID of the object or volume.
percent_full (STRING): Used capacity of the physical space of the object, along with space saved by the storage efficiency features, as a percentage. This value can be greater than 100 due to efficiency features and space reserved for metadata. The percentage is computed for the entire object, including Snapshot(tm) copy space.

vol.phys events

vol.phys.overalloc

Severity

EMERGENCY

Description

This message occurs when the volume or aggregate is running dangerously low on free blocks to write to.

Corrective Action

Create space by increasing the volume or aggregate sizes, or by deleting data or deleting Snapshot® copies. To increase a volume's size, use the "volume size" command. To delete a volume's Snapshot® copies, use the "volume snapshot delete" command. To increase an aggregate's size, add disks by using the "storage aggregate add-disks" command. Aggregate Snapshot® copies are deleted automatically when the aggregate is full.

Syslog Message

%s %s%s%s is physically overallocated, using %s%% logical space and %s%% physical space.

Parameters

object_type (STRING): Identifier for the type of object to which this event applies (aggregate or volume).
name (STRING): Name of this object.
app (STRING): Application UUID.
vserver_uuid (STRING): Universal Unique ID (UUID) of the object's Vserver, if the object is a volume. Otherwise, this string is empty.
percent_logically_full (STRING): Used capacity of the logical space of the object, as a percent. This value can be greater than 100 due to space reserved for metadata. The percentage is computed for the entire object, including Snapshot® copy space, and is equivalent to the "Total Used" field in the output of the

"volume show-space" or "aggregate show-space" commands.

percent_physically_full (STRING): Used capacity of the physical space of the object, as a percent. This value can be greater than 100 due to space reserved for metadata. The percentage is computed for the entire object, including Snapshot® copy space, and is equivalent to the "Total Physical Used" field in the output of the "volume show-space" or "aggregate show-space" commands.

vol.registryget events

vol.registryGet.no512520BPS

Severity

NOTICE

Description

This message occurs when a registry request finds no 512 or 520 BPS (bytes per sector) disks.

Corrective Action

(None).

Syslog Message

No disk has 512 or 520 BPS.

Parameters

(None).

vol.registryGet.nonDefBPS

Severity

NOTICE

Description

This message occurs when a registry request finds disks whose BPS (bytes per sector) is other than the default 512 or 520.

Corrective Action

(None).

Syslog Message

Disk had %d BPS; system expected 512 or 520 BPS.

Parameters

cad_bps (INT): Disk configuration attribute of bytes per sector.

vol.registryGet.noZoneCksum

Severity

NOTICE

Description

This message occurs when a registry request for zoned or block checksum volumes finds no such volumes.

Corrective Action

(None).

Syslog Message

No volume has zoned or block checksums.

Parameters

(None).

vol.reserve events

vol.reserve.grew

Severity

ERROR

Description

This message occurs when WAFL® grows the reserve of a flexible volume that was running dangerously low on blocks for writing.

Corrective Action

Create space by increasing the volume size, deleting data, or changing the provisioning from thick to thin. To increase a volume's size, use the "volume size" command. To change provisioning in a volume reserved files can be unreserved by using the "volume file reservation" command.

Syslog Message

WAFL grew reserve of volume %s%s%s because the volume was running low on blocks.

Parameters

name (STRING): Name of the volume.
app (STRING): Application UUID.
vserver_uuid (STRING): Name of the associated Vserver's UUID.