



object events

ONTAP EMS reference

NetApp
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object.store.available

Severity

NOTICE

Description

This message occurs when the node can connect to the object store again after an "object.store.unavailable" error.

Corrective Action

(None).

Syslog Message

Able to connect to the object store "%s" from node %s.

Parameters

configname (STRING): Object store configuration name.
node_uuid (STRING): UUID of the node.

object.store.c2s.clock.ahead

Severity

ERROR

Description

This message occurs when the cluster has a Commercial Cloud Services (C2S) object store configured, and the clock on a node is skewed forward more than the maximum allowed number of minutes.

Corrective Action

Correct the clock on a node by using the "date" command. Make sure that the nodes sync their clocks through the NTP service by using the "cluster time-service ntp" commands. If the condition persists, contact NetApp technical support.

Syslog Message

The clock on node "%s" is ahead by more than the maximum of %d minutes. Current skew is %d:%d minutes.

Parameters

node_uuid (STRING): UUID of the node.
max_allowed_skew_minutes (INT): Maximum allowed number of minutes by which the clock on a node can be skewed forward.
clock_skew_minutes (INT): Number of minutes by which the clock on a node is skewed forward.
clock_skew_seconds (INT): Number of seconds by which the clock on a node is skewed forward.

object.store.c2s.clock.late

Severity

ERROR

Description

This message occurs when the cluster has a Commercial Cloud Services (C2S) object store configured, and the clock on a node is skewed backwards more than the maximum allowed number of minutes. Data in the C2S object store might become inaccessible for some time because the node might not update expired temporary credentials on time.

Corrective Action

Correct the clock on a node by using the "date" command. Make sure that the nodes synchronize their clocks through the NTP service by using the "cluster time-service ntp" commands. If the condition persists, contact NetApp technical support.

Syslog Message

The clock on node "%s" is behind by more than the maximum of %d minutes. Current skew is %d:%d minutes.

Parameters

node_uuid (STRING): UUID of the node.

max_allowed_skew_minutes (INT): Maximum allowed number of minutes by which the clock on a node can be skewed backwards.

clock_skew_minutes (INT): Number of minutes by which the clock on a node is skewed backwards.

clock_skew_seconds (INT): Number of seconds by which the clock on a node is skewed backwards.

object.store.c2s.notupdated

Severity

EMERGENCY

Description

This message occurs when the node fails to update temporary credentials required for accessing a Commercial Cloud Services (C2S) object store. Data in the C2S object store might not be accessible.

Corrective Action

Verify that LIFs in the appropriate IPspace are online and functional by using the "network interface show" command. Also, check network connectivity to the CAP through a LIF in the appropriate IPspace by using the "network ping" command. Additionally, ensure that security certificates for the server certificate authorities (CA) and for the client are installed and valid. If the condition persists, contact NetApp technical support.

Syslog Message

Failed to update temporary credentials that expired on %s in object store "%s" from node "%s". %s. CAP URL: %s

Parameters

credentials_expiration (STRING): Date and time when temporary credentials expired.

object_store_name (STRING): Object store configuration name.

node_uuid (STRING): UUID of the node.

reason (STRING): Reason the temporary credentials were not updated.

cap_url (STRING): Full URL of the request to a C2S Authentication Portal (CAP).

object.store.c2s.updated

Severity

NOTICE

Description

This message occurs when the node updates temporary credentials required for accessing a Commercial Cloud Services (C2S) object store after an "object.store.c2s.notupdated" error.

Corrective Action

(None).

Syslog Message

Successfully updated temporary credentials for object store "%s" from node "%s". New expiration: %s, CAP URL: %s

Parameters

object_store_name (STRING): Object store configuration name.

node_uuid (STRING): UUID of the node.

credentials_expiration (STRING): Updated date and time when temporary credentials expire.

cap_url (STRING): Full URL of the request to a C2S Authentication Portal (CAP).

object.store.certificate.off

Severity

NOTICE

Description

This message occurs when SSL/TLS certificate validation is disabled for an object store configuration.

Corrective Action

Enable certificate validation by using the "storage aggregate object-store config modify -object-store-name <name> -is-certificate-validation-enabled true" command.

Syslog Message

SSL/TLS certificate validation is disabled for an object store configuration %s.

Parameters

object_store_name (STRING): Name of the object store configuration.

object.store.certificate.on

Severity

NOTICE

Description

This message occurs when SSL/TLS certificate validation is enabled for an object store configuration for which it was previously disabled.

Corrective Action

(None).

Syslog Message

SSL/TLS certificate validation is enabled for object store configuration %s.

Parameters

object_store_name (STRING): Name of the object store configuration.

object.store.degraded.mirror.swapped

Severity

NOTICE

Description

This message occurs when a FabricPool's primary object store and its mirror object store are swapped while the mirror object store is in a degraded state.

Corrective Action

(None).

Syslog Message

The primary object store (%s) and the degraded mirror object store (%s) are swapped for FabricPool %s.

Parameters

primary_object_store (STRING): Name of the primary object store before swap.

mirror_object_store (STRING): Name of the mirror object store before swap.

aggr (STRING): Name of the FabricPool.

object.store.force.tier.mcc

Severity

NOTICE

Description

This message occurs when the "-force-tiering-on-metrocluster" parameter is changed for an object store attached to a FabricPool that is in a MetroCluster(tm) configuration.

Corrective Action

(None).

Syslog Message

The "-force-tiering-on-metrocluster" parameter is set to "%s" on the object store "%s" attached to FabricPool "%s".

Parameters

is_force_tier_on_mcc (STRING): Current setting of the "-force-tiering-on-metrocluster" parameter (true or false).

object_store (STRING): Name of the object store.

aggr (STRING): Name of the FabricPool.

object.store.full

Severity

ALERT

Description

This message occurs when the node failed to write data to the specified object store because it is out of space. You may see other EMS notifications from dependent subsystems.

Corrective Action

Examine the object store, check the space settings, and if necessary, create space by adding capacity to the object store.

Syslog Message

Failed to write to object store %s because it is out of space.

Parameters

config_name (STRING): Object store configuration name.

object.store.mirror.added

Severity

NOTICE

Description

This message occurs when the second object store is attached to the FabricPool. After mirror operation, FabricPool contain primary and mirror object store.

Corrective Action

(None).

Syslog Message

A second object store (%s) is added to FabricPool %s with primary object store (%s) as a mirror.

Parameters

mirror_object_store (STRING): Name of the mirror object store.

aggr (STRING): Name of the FabricPool.

primary_object_store (STRING): Name of the primary object store.

object.store.mirror.swapped

Severity

NOTICE

Description

This message occurs when a FabricPool's primary object store and its mirror object store are swapped.

Corrective Action

(None).

Syslog Message

The primary object store (%s) and the mirror object store (%s) are swapped for FabricPool %s.

Parameters

primary_object_store (STRING): Name of the primary object store before swap.

mirror_object_store (STRING): Name of the mirror object store before swap.

aggr (STRING): Name of the FabricPool.

object.store.mirror.unmirror

Severity

NOTICE

Description

This message occurs when the mirror object store is removed from a FabricPool. FabricPool is said to be unmirrored.

Corrective Action

(None).

Syslog Message

The mirror object store (%s) is removed from FabricPool %s with primary object store (%s).

Parameters

mirror_object_store (STRING): Name of the mirror object store.

aggr (STRING): Name of the FabricPool.

primary_object_store (STRING): Name of the primary object store.

object.store.no.proxy

Severity

ALERT

Description

This message occurs when one or more object store configurations have use-http-proxy set to true but no HTTP proxy is configured for the IPspace. This can lead to client I/O failures.

Corrective Action

Create an HTTP proxy configuration for the IPspace or change use-http-proxy to false for the object store configurations associated with that IPspace.

Syslog Message

One or more object store configurations have use-http-proxy set to true but no HTTP proxy configuration was found for the IPspace.

Parameters

ipspace_name (STRING): Name of the IPspace that does not have an HTTP proxy server configured.

object.store.unavailable

Severity

EMERGENCY

Description

This message occurs when the node cannot connect to the object store.

Corrective Action

Verify that your intercluster LIF is online and functional by using the "network interface show" command. Also, check network connectivity to the object store server by using the "ping" command over the destination node intercluster LIF. Additionally, ensure that the configuration of your object store has not changed, and that login and connectivity information is still accurate. If the condition persists, contact NetApp technical support.

Syslog Message

Unable to connect to the object store "%s" from node %s. Reason: %s.

Parameters

configname (STRING): Object store configuration name.

node_uuid (STRING): UUID of the node.

reason (STRING): Reason for the failure to connect.

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