accesscache events

ONTAP 9.13.1 EMS reference

NetApp
February 12, 2024

This PDF was generated from https://docs.netapp.com/us-en/ontap-ems-9131/accesscache-cfg-events.html on February 12, 2024. Always check docs.netapp.com for the latest.

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accesscache events

accesscache.cfg events

accessCache.cfg.updateFailed

Severity

ERROR

Description

This message occurs when exports access cache configuration is modified but the new configuration could not be updated in the Nblade. The access cache is therefore operating with the older configuration.

Corrective Action

Retry the exports access cache configuration modification. If it continuosly fails, restart management gateway. If the problem persists, contact NetApp technical support.

Syslog Message

Access cache configuration change for Vserver "%s" on node "%s" could not be updated. Failure reason is "%s".

Parameters

vserver (STRING): Name of the Vserver on which the problem is occurring.
node (STRING): Name of the Node on which the problem is occurring.
reason (STRING): The reason for the failure.

accesscache.nearlimits events

AccessCache.NearLimits

Severity

ALERT

Description

This message occurs when the access cache module is near its limits for entries or export rules. Reaching these limits can prevent new clients from being able to mount and perform I/O on the storage system, and can also cause clients to be granted or denied access based on stale cached information.

Corrective Action

Ensure that the number of clients accessing the storage system continues to be below the limits for access cache entries and export rules across those entries. If the set of clients accessing the storage system is constantly changing, consider using the "vserver export-policy access-cache config modify" command to reduce the harvest timeout parameter so that cache entries for clients that are no longer accessing the storage system can be evicted sooner.

Syslog Message

The exports access cache module is near its limits for entries (current count : %u, warning threshold : %u, limit : %u) or export rules across entries (current count : %u, warning threshold : %u, limit : %u).

Parameters

numEntriesCurrent (INT): Current number of entries in the cache.
numEntriesWarningThreshold (INT): Warning threshold for number of entries.
numEntriesLimit (INT): Limit on the number of entries.
numRulesCurrent (INT): Current number of export rules in the cache.
numRulesWarningThreshold (INT): Warning threshold for number of export rules.
numRulesLimit (INT): Limit on the number of export rules.

accesscache.reachedlimits events

AccessCache.ReachedLimits

Severity

EMERGENCY

Description

This message occurs when the access cache module reaches its limit for entries or export rules. This condition can prevent new clients from being able to mount and perform I/O on the storage system. This condition can also cause clients to be granted or denied access based on stale information.

Corrective Action

Ensure that the number of clients accessing the storage system is below the limits for access cache entries and export rules across those entries. If the set of clients accessing the storage system is constantly changing, consider using the "vserver export-policy access-cache config modify" command to reduce the harvest timeout parameter so that cache entries for clients that are no longer accessing the storage system can be evicted sooner.

Syslog Message

The exports access cache module on this node reached its limits while trying to add %d new entries (current count : %u, limit : %u) and/or %d export rules (current count : %u, limit : %u).

Parameters

numEntriesDelta (INT): Number of new entries to be added.
numEntriesCurrent (INT): Current number of entries in the cache.
numEntriesLimit (INT): Limit on the number of entries.
numRulesDelta (INT): Number of new export rules to be added.
numRulesCurrent (INT): Current number of export rules in the cache.
numRulesLimit (INT): Limit on the number of export rules.

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