



replaycache events

ONTAP EMS reference

NetApp

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Table of Contents

- replaycache events 1
 - replaycache.arcbktallocerr events 1
 - ReplayCache.ArcBktAllocErr 1
 - replaycache.nfsv41bindelete events 1
 - ReplayCache.Nfsv41BinDelete 1

replaycache events

replaycache.arcbktallocerr events

ReplayCache.ArcBktAllocErr

Severity

ERROR

Description

This message occurs when the replay-cache bucket (which is used to hold the responses of non-idempotent operations, to prevent the execution of duplicate I/O requests) that is associated with a bin (through a client connection) has fully utilized the maximum allowed memory and old bins holding the bucket is not able to release requests due to the configured expiration time. I/O operations are suspended until the bucket has available memory.

Corrective Action

Modify the replay cache bin expiration time using the "spinnp-replay-cache attributes modify -arc-initial -bucket-count 16 -arc-bin-expiration 30" command (privilege: diag). Specify a smaller value for the bin expiration time and initial bucket count, so that the bin eviction will happen sooner and new bin creation will require less memory in the bucket, which might help avoid the issue.

Syslog Message

A replay-cache bucket memory exhaust occurred due to the slow eviction of old bins and the high number of I/O operations being received by the server.

Parameters

(None).

replaycache.nfsv41bndelete events

ReplayCache.Nfsv41BinDelete

Severity

NOTICE

Description

This message occurs when the replay-cache bin associated with an NFSv4.1 session is destroyed due to a policy mismatch. In Data ONTAP® releases prior to 9.0, replay-cache bins for NFSv4.1 session were created with a certain policy. The policy associated with these bins has changed and the data in older bins cannot be migrated. Older bins are destroyed and new bins are created. The process of bin policy conversions for NFSv4.1, occurs when the effective cluster version (ECV) changes due to an upgrade or revert operation. Connection Session Manager (CSM) sessions are used to communicate file operations between nodes in the cluster. During this period, if CSM sessions experience timeouts or other errors, NFSv4.1 clients might receive unexpected results for a few of their outstanding requests. All new NFSv4.1 client requests are unaffected.

Corrective Action

(None).

Syslog Message

The replay-cache bin associated with a NFSv4.1 session was deleted and recreated due to a policy mismatch. Current NFSv4.1 session might temporarily receive unexpected results.

Parameters

(None).

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