



tcp events

ONTAP 9.12.1 EMS reference

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Table of Contents

- tcp events 1
- tcp.cc events 1
- tcp.change events 1
- tcp.conn events 1

tcp events

tcp.cc events

tcp.cc.NewRenoInUpgrade

Severity

ERROR

Description

This message occurs when the system is configured to use the TCP NewReno congestion control algorithm. The TCP CUBIC algorithm is the recommended algorithm.

Corrective Action

The TCP NewReno congestion control algorithm is selected for the Default IPspace in 9.8 based on the system's previous configuration. Confirm that TCP NewReno is the desired algorithm. NetApp recommends the CUBIC TCP congestion control algorithm in most cases. Use the "network options congestion-control modify" command to change the congestion control algorithm.

Syslog Message

The system is configured to use the NewReno congestion control algorithm, which is not recommended.

Parameters

(None).

tcp.change events

tcp.change.cc.algorithm

Severity

ERROR

Description

This message occurs when an attempt to change the TCP congestion control algorithm fails.

Corrective Action

Check the node health, address any issues found, and then try the command again.

Syslog Message

An error (out of memory) occurred while changing the TCP congestion control algorithm of existing connection(s) to %s. The NewReno (RFC6582) will be used as the congestion control algorithm for those connections.

Parameters

cc_algo (STRING): Name of the congestion control algorithm to which the change was attempted.

tcp.conn events

tcp.conn.inconsistent

Severity

ERROR

Description

This message occurs when TCP internal metadata for a given TCP connection is inconsistent and does not align with the socket send buffer data. This inconsistency might result in a controller disruption. Depending on how the inconsistency occurs, the TCP connection can be reset.

Corrective Action

If the TCP SACK option is enabled, disable it and re-establish the specified TCP connection. Also, check for network congestion in the network attached to this controller and address any issues found.

Syslog Message

Inconsistency between TCP metadata and the socket send buffer occurred for the connection with local address "%s:%d" and remote address "%s:%d". The inconsistency occurred while processing "%s". The connection is "%s".

Parameters

local_address (STRING): Local IP address of the connection.

local_port (INT): Local port of the connection.

peer_address (STRING): Foreign IP address of the connection.

peer_port (INT): Foreign port of the connection.

error_code_path (STRING): Code path where the error occurred.

connection_reset (STRING): Indication of whether the connection was reset or not.

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