



socket events

ONTAP EMS reference

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Table of Contents

- socket events 1
 - socket.limit events 1
 - socket.limit.exceeded 1
 - socket.sndbuflimit events 1
 - socket.sndbuflimit.exceeded 1

socket events

socket.limit events

socket.limit.exceeded

Severity

NOTICE

Description

This message occurs when the operating system is unable to allocate a new socket because that would exceed the maximum open sockets.

Corrective Action

(None).

Syslog Message

The operating system was unable to allocate a socket. The number of open sockets is %d and the limit is %d.

Parameters

num_open_sockets (INT): The number of open sockets.

max_sockets (INT): The maximum allowed number of open sockets.

socket.sndbuflimit events

socket.sndbuflimit.exceeded

Severity

ERROR

Description

This message occurs when an overflow is detected in the TCP socket send buffer. The TCP socket send buffer can hold a maximum of INT_MAX (2147483647) bytes.

Corrective Action

Excessive unacknowledged data in the socket send buffer is commonly due to an overloaded client that is extremely slow to send TCP acknowledgments or completely stops doing so. Examine the client and take actions to address the client behavior.

Syslog Message

The system (%s:%d) could not send data to client %s due to an overflow in the TCP socket send buffer. The buffer can hold a maximum of %d bytes.

Parameters

server_address (STRING): IP address of the server.

port (INT): Local port bound to the socket.

client_address (STRING): IP address of the client.

socket_buffer_limit (INT): Maximum allowed number of bytes in socket buffer.

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