netinet events

ONTAP 9.14.1 EMS reference

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netinet.ethr events

netinet.ethr.arpstorm

Severity

ERROR

Description

This message occurs when a high arrival rate of address resolution protocol (ARP) frames has been detected (possible ARP storm). This condition can indicate a possible network configuration issue.

Corrective Action

If you are experiencing network issues, an ARP storm might be a concern. Confirm the ARP storm event is valid and check the network configuration.

Syslog Message

The node detected a possible ARP storm on port %s. Detected rate: %d packets per second.

Parameters

port_name (STRING): Port where the possible ARP storm was detected.
rate_count (LONGINT): ARP arrival rate seen at the port where the possible ARP storm was detected.

netinet.ethr.broadcstAddr

Severity

ERROR

Description

This message occurs when the system finds that the Ethernet address for the IP address is found to be a broadcast address.

Corrective Action

(None).

Syslog Message

ARP: Ethernet address is a broadcast address for IP address %s!

Parameters

ipAddress (STRING): IP address in Standard Internet dotted notation.

netinet.ethr.dup.clustIP

Severity

EMERGENCY

Description

This message occurs when a new node that is trying to join the cluster is using the same IP address that is configured on this node’s cluster interface. This can prevent data from being served to clients and

potentially bring down the entire cluster.

Corrective Action

Use the Ethernet (MAC) address with the "network port show -mac <mac>" command to find the network port. Use the "network interface show -curr-port <port>" command to identify the cluster interface that is configured with the duplciate IP address. Remove the LIF on the cluster interface of the new node in the cluster network by using the "net int delete -vserver <vserver_name> -lif <lif_name>" command. After removing the LIF, assign a new, unique IP address to the cluster interface.

Syslog Message

Duplicate IP address %s (Ethernet MAC: %s) configured on the cluster network.

Parameters

ipaddr (STRING): Duplicate IP address that was detected on the cluster network.
ethaddr (STRING): Ethernet (MAC) address that uniquely identifies the node configured with the duplicate IP address.

netinet.ethr.duplct.ipAdrr

Severity

ERROR

Description

This message occurs when another system is detected using an IP address configured on this system.

Corrective Action

The Ethernet address uniquely identifies the other system that is using the IP address. If you are using static IP addresses, change the IP address configured on one of the systems. If DHCP is in use on the network, ensure that the static IP address is not in the range being used by the DHCP server.

Syslog Message

Duplicate IP address %s!! sent from Ethernet address: %s.

Parameters

ipaddr (STRING): IP address.
ethaddr (STRING): Ethernet address.

netinet.icmp events

netinet.icmp.redirect

Severity

NOTICE

Description

This message occurs when an ICMPv4 redirect message is received. The redirect might be received due to either a misconfigured route or a man-in-the-middle ICMP redirect attack.

Corrective Action

When enabled, ICMP redirects can be disabled using the "network tuning icmp modify -is-drop-redirect -enabled true" command. However, disabling ICMP redirects might lead to connectivity problems or longer

delays of data transfers.

Syslog Message

Received %lu ICMPv4 redirect messages for IPspace "%s".

Parameters

no_of_redirects (LONGINT): Total number of ICMPv4 redirects received for the specific IPspace.
ipspace (STRING): The IPspace for which the redirect packets are received.

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