



netinet events

ONTAP EMS reference

NetApp
November 22, 2024

Table of Contents

- netinet events 1
- netinet.ethr events 1
- netinet.icmp events 2

netinet events

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.broadcastAddr

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 duplicate 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.

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.