



isns events

ONTAP EMS reference

NetApp
November 19, 2025

Table of Contents

- isns events 1
 - isns.enqueue events 1
 - isns.enqueue.failed 1
 - isns.portal events 1
 - isns.portal.info.unavailable 1
 - isns.reg events 1
 - isns.reg.info.unavailable 2
 - isns.reg.pdu.oversized 2
 - isns.reg.period.too_small 2
 - isns.socket events 3
 - isns.socket.conn.failed 3
 - isns.socket.setup.failed 3

isns events

isns.enqueue events

isns.enqueue.failed

Severity

ERROR

Description

This message occurs when the Internet Storage Name Service (iSNS) is not able to enqueue a new operation to the iSNS subsystem.

Corrective Action

The iSNS failed to enqueue an action into the work queue. This may be due to an overloaded system. Please consider moving the Vserver's Management LIF to another node for that Vserver in the cluster with a lighter work-load.

Syslog Message

The iSNS cannot enqueue an operation %s for Vserver %s.

Parameters

event (STRING): Event/Operation that was no enqueued.

vserver (STRING): Name of the Vserver

isns.portal events

isns.portal.info.unavailable

Severity

ERROR

Description

This message occurs when the Internet Storage Name Service (iSNS) is not able to retrieve the portal information required for iSNS registration.

Corrective Action

Ensure that at least one node hosting a IP data LIF for SAN is successfully loaded and operating correctly.

Syslog Message

The iSNS cannot retrieve the portal information for %s: %s.

Parameters

vserver (STRING): Name of the Vserver

err_msg (STRING): Reported error.

isns.reg events

isns.reg.info.unavailable

Severity

ERROR

Description

This message occurs when the Internet Storage Name Service (iSNS) registration information is not valid or not available.

Corrective Action

Check the Data ONTAP® iSNS configuration to ensure that all configuration information is present. Also check the cluster health for the impacted node to ensure that it is online.

Syslog Message

The iSNS registration information for %s was not valid or not available: %s.

Parameters

vserver (STRING): Name of the Vserver

err_msg (STRING): Reported error.

isns.reg.pdu.oversized

Severity

ALERT

Description

This message occurs when the the Internet Storage Name Service (iSNS) registration query packet data unit (PDU) length is larger than the supported maximum value. iSNS will not function properly until the problem is resolved.

Corrective Action

Reconfigure the networking interfaces to reduce the portals until the iSNS registration query PDU is within its maximum value.

Syslog Message

The iSNS registration query for %s failed due to the oversized iSNS query PDU length. Reduce the networking interface portals.

Parameters

vserver (STRING): Name of the Vserver

isns.reg.period.too_small

Severity

INFORMATIONAL

Description

This message occurs when the Internet Storage Name Service (iSNS) requests a registration period that is too small. When this happens, the iSNS client service will be automatically disabled.

Corrective Action

Reconfigure the server to increase the registration period.

Syslog Message

The iSNS registration period for %s was too small (%d); increase the registration period.

Parameters

vserver (STRING): Name of the Vserver

period (INT): Registration period received from the iSNS server

isns.socket.events

isns.socket.conn.failed

Severity

ERROR

Description

This message occurs when the TCP socket connection in the Internet Storage Name Service (iSNS) fails to connect to the iSNS server.

Corrective Action

The iSNS failed to create a socket for communicating with the iSNS server. Check the Data ONTAP® network configuration to ensure that the address for the iSNS server is in the routing group for all Vserver Management LIFs for the Vserver and that they are reachable via the clustered Data ONTAP "network ping" command.

Syslog Message

The iSNS TCP socket connection failed for %s to %s: %s

Parameters

vserver (STRING): Name of the Vserver

ip_address (STRING): IP address for the iSNS server.

err_msg (STRING): Reported network error.

isns.socket.setup.failed

Severity

ERROR

Description

This message occurs when the Internet Storage Name Service (iSNS) fails to create a socket for communicating with the iSNS server.

Corrective Action

Check the Data ONTAP® network configuration to ensure that the address for the iSNS server is in the routing group for all Vserver Management LIFs for the Vserver and that they are reachable via the clustered Data ONTAP "network ping" command.

Syslog Message

The iSNS for %s failed to create a socket to %s; check the Data ONTAP network configuration.

Parameters

vserver (STRING): Name of the Vserver

ip_address (STRING): IP address for the iSNS server.

Copyright information

Copyright © 2025 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.