clus events

ONTAP EMS reference

NetApp
November 18, 2025

This PDF was generated from https://docs.netapp.com/us-en/ontap-ems/clus-net-events.html on November 18, 2025. Always check docs.netapp.com for the latest.

Table of Contents

clus events . . . 1
- clus.net events . . . 1
  - clus.net.noNeighbors . . . 1
  - clus.net.switchlessInv . . . 1
  - clus.net.switchlessMismatch . . . 1
- clus.reboot events . . . 2
  - clus.reboot.internalError . . . 2
  - clus.reboot.noBootSequence . . . 2
  - clus.reboot.persistencyError . . . 3
  - clus.reboot.rebootDetected . . . 3

clus events

clus.net events

clus.net.noNeighbors

Severity

ALERT

Description

This message occurs when the cluster network ports with "link" reported as "up" are neither receiving CDP nor LLDP neighbor announcements. This is not a supported configuration and can negatively impact the performance of the cluster.

Corrective Action

Use the "network port show -ipspace Cluster -link up" command to list the ports expected to receive CDP and/or LLDP announcements. Verify that CDP and/or LLDP is enabled on the switch the cluster ports are wired to. Use the "network device-discovery show" command to view the announcements for each of the cluster ports.

Syslog Message

The cluster ports with "link" reported as "up" are neither receiving CDP nor LLDP neighbor announcements.

Parameters

(None).

clus.net.switchlessInv

Severity

NOTICE

Description

This message occurs when the "switchless-cluster" option is disabled, but one or more cluster ports are directly wired to a cluster port on another node. This could result in packet loss across the cluster network, causing file operations to fail as well as loss of quorum.

Corrective Action

Use the "network options switchless-cluster modify" command to enable support for switchless clusters.

Syslog Message

One or more cluster ports are directly wired to a cluster port on another node, but the "switchless-cluster" option is not enabled.

Parameters

(None).

clus.net.switchlessMismatch

Severity

NOTICE

Description

This message occurs when the "switchless-cluster" option is enabled, but all of the cluster ports are wired to a switch. This configuration will negatively impact the performance of the cluster network.

Corrective Action

Use the "network options switchless-cluster modify" command to disable support for switchless clusters.

Syslog Message

All of the cluster ports are wired to a switch, but the "switchless-cluster" option is enabled.

Parameters

(None).

clus.reboot events

clus.reboot.internalError

Severity

ALERT

Description

This message occurs when the cluster reboot detection feature detects an internal software error due to insufficient system resources.

Corrective Action

Reboot the node by using the "system node reboot -node <nodename>" command. Contact NetApp technical support if further assistance is needed.

Syslog Message

Cluster reboot detection feature detected an internal software error. Error: '%s'.

Parameters

error (STRING): Internal software error.

clus.reboot.noBootSequence

Severity

ERROR

Description

This message occurs when the cluster reboot detection feature fails to obtain the node boot sequence from the /var/BOOT_SEQ file.

Corrective Action

Contact NetApp technical support.

Syslog Message

Cluster reboot detection feature failed to obtain the node boot sequence from /var/BOOT_SEQ file.

Parameters

(None).

clus.reboot.persistencyError

Severity

ERROR

Description

This message occurs when the cluster reboot detection feature fails to save the node reboot information persistently.

Corrective Action

Reboot the node by using the "system node reboot -node nodename" command. Contact NetApp technical support if further assistance is needed.

Syslog Message

Cluster reboot detection feature failed to save the node reboot information persistently. Error: '%s'.

Parameters

error (STRING): Error returned by the save operation.

clus.reboot.rebootDetected

Severity

NOTICE

Description

This message occurs when a cluster reboot is detected.

Corrective Action

(None).

Syslog Message

Cluster reboot was detected at %s. Sequence number for the cluster reboot was %d. Estimated beginning time of the cluster reboot was %s.

Parameters

endtime (STRING): End time of the cluster reboot.
sequence (LONGINT): Sequence number of the detected cluster reboot.
begintime (STRING): Estimated beginning time of the cluster reboot based on the last known time the cluster was operational.

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.