



haosc events

ONTAP EMS reference

NetApp
May 13, 2026

Table of Contents

- haosc events 1
- haosc.config events 1
- haosc.config.unknown.cf 1
- haosc.config.unknown.ls 1
- haosc.config.unknown.nv 2
- haosc.fru events 2
- haosc.fru.op.failed 2
- haosc.invalid events 2
- haosc.invalid.config 2
- haosc.sa events 3
- haosc.sa.config 3

haosc events

haosc.config events

haosc.config.unknown.cf

Severity

ALERT

Description

This message occurs when the chassis and controller field-replaceable unit programmable read-only memories (FRU PROMs) have inconsistent data.

Corrective Action

Boot into Maintenance mode and run the 'ha-config modify' command to set the controller and chassis configuration to stand-alone or HA, as appropriate. Exercise extreme caution. Setting the wrong configuration might lead to data loss. For ASA r2, set the configuration to HA.

Syslog Message

Cannot determine whether configuration should be stand-alone or HA. Chassis is in %s configuration, and controller is in %s configuration.

Parameters

cha_config (STRING): Chassis FRU PROM HA configuration string.
cont_config (STRING): Controller FRU PROM HA configuration string.

haosc.config.unknown.ls

Severity

ALERT

Description

This message occurs when the chassis and controller field-replaceable unit programmable read-only memory (FRU PROM) configurations conflict with the HA mode.

Corrective Action

Boot into Maintenance mode and run the 'ha-config modify' command to set the controller and chassis configuration to stand-alone or HA, as appropriate. Setting the wrong configuration might lead to data loss. For ASA r2, set the configuration to HA. If you need assistance, contact NetApp technical support.

Syslog Message

Cannot determine whether the configuration should be stand-alone or HA. Chassis is in %s configuration, controller is in %s configuration, and the HA mode is %s.

Parameters

cha_config (STRING): Chassis FRU PROM HA configuration string.
cont_config (STRING): Controller FRU PROM HA configuration string.
mode (STRING): HA mode string.

haosc.config.unknown.nv

Severity

ALERT

Description

This message occurs when the chassis and controller field-replaceable unit programmable read-only memories (FRU PROMs) have factory default configurations and the nonvolatile memory is dirty.

Corrective Action

Boot into Maintenance mode and run the 'ha-config modify' command to set the controller and chassis configuration to stand-alone or HA, as appropriate. Setting the wrong configuration might lead to data loss. For ASA r2, set the configuration to HA. If you need assistance, contact NetApp technical support.

Syslog Message

Cannot determine whether configuration should be stand-alone or HA. Chassis is in %s configuration, controller is in %s configuration, and the nonvolatile memory is dirty.

Parameters

cha_config (STRING): Chassis FRU PROM HA configuration string.
cont_config (STRING): Controller FRU PROM HA configuration string.

haosc.fru events

haosc.fru.op.failed

Severity

ALERT

Description

This message occurs when the chassis or controller field-replaceable unit programmable read-only memory (FRU PROM) read/write fails.

Corrective Action

Replace the system chassis or controller, and contact NetApp technical support for assistance.

Syslog Message

%s FRU PROM %s operation failed.

Parameters

fru (STRING): Chassis/controller string.
op (STRING): Read/write operation string.

haosc.invalid events

haosc.invalid.config

Severity

EMERGENCY

Description

This message occurs when the chassis or controller field-replaceable unit programmable read-only memory (FRU PROM) returns an invalid configuration.

Corrective Action

Boot into Maintenance mode and run the 'ha-config modify' command to set the controller and chassis configuration to stand-alone or HA, as appropriate. Setting the wrong configuration might lead to data loss. For ASA r2, set the configuration to HA. If you need assistance, contact NetApp technical support.

Syslog Message

%s FRU PROM returns an invalid configuration.

Parameters

fru (STRING): Chassis/controller string.

haosc.sa events

haosc.sa.config

Severity

ERROR

Description

This message occurs when nonvolatile memory on a stand-alone system is configured for a high-availability system. Only half of the available nonvolatile memory will be used and system performance will be affected.

Corrective Action

Reboot the system to use all of the nonvolatile memory.

Syslog Message

Only half of the available nonvolatile memory is in use. This will affect system performance.

Parameters

(None).

Copyright information

Copyright © 2026 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.