



rsh events

ONTAP 9.13.1 EMS reference

NetApp
February 12, 2024

Table of Contents

- rsh events 1
 - rsh.enabled events 1
 - rsh.firewall events 1
 - rsh.rcmd events 1
 - rsh.setsockopt events 2
 - rsh.socket events 3

rsh events

rsh.enabled events

rsh.enabled

Severity

NOTICE

Description

This message occurs when rsh is enabled in the cluster using the (privilege: advanced) "security protocol" command.

Corrective Action

(None).

Syslog Message

Insecure protocol service rsh has been enabled in the cluster.

Parameters

(None).

rsh.firewall events

rsh.firewall.policy.remove

Severity

NOTICE

Description

This message occurs when rsh is automatically removed from firewall policies during a revert operation from Data ONTAP® 9.0 to 8.3. Rsh is removed because it is an insecure protocol and it is by default disabled in Data ONTAP 9.0. In Data ONTAP 8.3, the presence of rsh in firewall policies after a revert operation enables rsh. To prevent this, the rsh firewall policy is removed during the operation.

Corrective Action

Use the "system services firewall policy create" command to reenable rsh.

Syslog Message

Rsh removed from firewall policy because of Data ONTAP revert operations. Rsh is now disabled.

Parameters

(None).

rsh.rcmd events

rsh.rcmd.port.bind

Severity

ERROR

Description

This message occurs when there is an error in binding a reserved port.

Corrective Action

(None).

Syslog Message

rcmd.c: Bind error %d on reserved port %d.

Parameters

errNum (INT): Error number.

port (INT): Port number.

rsh.rcmd.port.used

Severity

ERROR

Description

This message occurs when there is no port available for binding to a socket, because all the reserved ports are in use.

Corrective Action

(None).

Syslog Message

rcmd.c: All reserved ports have been used.

Parameters

(None).

rsh.setsockopt events

rsh.setsockopt.failure

Severity

ERROR

Description

This message occurs when the setsockopt option on the RemoteShell(RSH) socket fails; RSH is not available.

Corrective Action

Use the error message to determine the problem.

Syslog Message

RSH setsockopt error: option level '%s', option value '%s', error code '%d', error message '%s'.

Parameters

socketlevel (STRING): Socket option level parameter.
socketoption (STRING): Socket option value parameter.
errorcode (INT): Error code returned from setsockopt.
reason (STRING): Error message for the failure.

rsh.socket events

rsh.socket.failure

Severity

ERROR

Description

The rshd daemon could not create a socket.

Corrective Action

Disable and enable rshd daemon using options rsh.enable.

Syslog Message

RSH socket error: %s.

Parameters

reason (STRING): The reason why the rshd daemon could not create a socket.

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.