



Commands for managing SNMP

ONTAP 9

aherbin
April 28, 2021

Table of Contents

- Commands for managing SNMP 1
 - Commands for configuring SNMP 1
 - Commands for managing SNMP v1, v2c, and v3 users 1
 - Commands for providing contact and location information 1
 - Commands for managing SNMP communities 1
 - Command for displaying SNMP option values 2
 - Commands for managing SNMP traps and traphosts 2
 - Commands for managing events related to SNMP traps 2

Commands for managing SNMP

You can use the `system snmp` commands to manage SNMP, traps, and traphosts. You can use the `security` commands to manage SNMP users per SVM. You can use the `event` commands to manage events related to SNMP traps.

Commands for configuring SNMP

If you want to...	Use this command...
Enable SNMP on the cluster	<code>options -option-name snmp.enable -option- value on</code> The SNMP service must be allowed under the management (mgmt) firewall policy. You can verify whether SNMP is allowed by using the <code>system services firewall policy show</code> command.
Disable SNMP on the cluster	<code>options -option-name snmp.enable -option- value off</code>

Commands for managing SNMP v1, v2c, and v3 users

If you want to...	Use this command...
Configure SNMP users	<code>security login create</code>
Display SNMP users	<code>security snmpusers</code> and <code>security login show - application snmp</code>
Delete SNMP users	<code>security login delete</code>
Modify the access-control role name of a login method for SNMP users	<code>security login modify</code>

Commands for providing contact and location information

If you want to...	Use this command...
Display or modify the contact details of the cluster	<code>System snmp contact</code>
Display or modify the location details of the cluster	<code>System snmp location</code>

Commands for managing SNMP communities

If you want to...	Use this command...
Add a read-only (ro) community for an SVM or for all SVMs in the cluster	<code>system snmp community add</code>
Delete a community or all communities	<code>system snmp community delete</code>
Display the list of all communities	<code>system snmp community show</code>

Because SVMs are not part of the SNMP standard, queries on data LIFs must include the NetApp root OID

(1.3.6.1.4.1.789), for example, `snmpwalk -v 2c -c snmpNFS 10.238.19.14 1.3.6.1.4.1.789`.

Command for displaying SNMP option values

If you want to...	Use this command...
Display the current values of all SNMP options, including cluster contact, contact location, whether the cluster is configured to send traps, the list of traphosts, and list of communities and access control type	<code>system snmp show</code>

Commands for managing SNMP traps and traphosts

If you want to...	Use this command...
Enable SNMP traps sent from the cluster	<code>system snmp init -init 1</code>
Disable SNMP traps sent from the cluster	<code>system snmp init -init 0</code>
Add a traphost that receives SNMP notifications for specific events in the cluster	<code>system snmp traphost add</code>
Delete a traphost	<code>system snmp traphost delete</code>
Display the list of traphosts	<code>system snmp traphost show</code>

Commands for managing events related to SNMP traps

If you want to...	Use this command...
Display the events for which SNMP traps (built-in) are generated	<code>event route show</code> Use the <code>-snmp-support true</code> parameter to view only SNMP-related events. Use the instance <code>-messagename <message></code> parameter to view a detailed description why an event might have occurred, and any corrective action. Routing of individual SNMP trap events to specific traphost destinations is not supported. All SNMP trap events are sent to all traphost destinations.
Display a list of SNMP trap history records, which are event notifications that have been sent to SNMP traps	<code>event snmphistory show</code>
Delete an SNMP trap history record	<code>event snmphistory delete</code>

For more information about the `system snmp`, `security`, and `event` commands, see the man pages: [ONTAP 9 commands](#)

Copyright Information

Copyright © 2021 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.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

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.