network tuning commands

ONTAP commands

NetApp
February 04, 2026

This PDF was generated from https://docs.netapp.com/us-en/ontap-cli-95/network-tuning-icmp-modify.html on February 04, 2026. Always check docs.netapp.com for the latest.

Table of Contents

network tuning commands . . . 1
- network tuning icmp modify . . . 1
  - Description . . . 1
  - Parameters . . . 1
  - Examples . . . 1
- network tuning icmp show . . . 1
  - Description . . . 1
  - Parameters . . . 1
  - Examples . . . 2
- network tuning icmp6 modify . . . 2
  - Description . . . 2
  - Parameters . . . 2
  - Examples . . . 3
- network tuning icmp6 show . . . 3
  - Description . . . 3
  - Parameters . . . 3
  - Examples . . . 3
- network tuning tcp modify . . . 3
  - Description . . . 4
  - Parameters . . . 4
  - Examples . . . 4
- network tuning tcp show . . . 4
  - Description . . . 4
  - Parameters . . . 4
  - Examples . . . 5

network tuning commands

network tuning icmp modify

Modify ICMP tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays options which can be used to fine tune icmp protocol behavior.

Parameters

-node {<nodename>|local} - Node

Sets this parameter to indicate on which node the ICMP tuning options are modified.

[-is-drop-redirect-enabled {true|false}] - Drop redirect ICMP

Sets this parameter to drop redirect ICMP message.

[-tx-icmp-limit <integer>] - Maximum number of ICMP packets sent per second

Sets the maximum number of ICMP messages including TCP RSTs can be sent per second.

[-redirect-timeout <integer>] - Maximum seconds for route redirect timeout

Sets this parameter to indicate the number of seconds after which the route is deleted. Value of zero means infinity. The default value is 300 seconds.

Examples

```
cluster1::> network tuning icmp modify -node node1 -is-drop-redirect
-enabled false
```

network tuning icmp show

Show ICMP tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the current state of the ICMP tuning options for the given node.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

Displays all ICMP tuning options.

[-node {<nodename>|local}] - Node

Specifies the node for which the ICMP tuning options are displayed.

[-is-drop-redirect-enabled {true|false}] - Drop redirect ICMP

Displays all entries that match the "is-drop-redirect-enabled" value.

[-tx-icmp-limit <integer>] - Maximum number of ICMP packets sent per second

Displays all entries that match the "tx-icmp-limit" value.

[-redirect-timeout <integer>] - Maximum seconds for route redirect timeout

Displays all the entries that match the "redirect-timeout" value.

Examples

```
cluster1::> network tuning icmp show
Drop Redirect Maximum ICMP      Redirect Timeout
Node      ICMP          Sends per Second  in Seconds
--------- ------------- ----------------  ----------------
node1
          true          100               300
```

network tuning icmp6 modify

Modify ICMPv6 tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays options which can be used to fine tune icmpv6 protocol behavior.

Parameters

-node {<nodename>|local} - Node

Sets this parameter to indicate on which node the ICMPv6 tuning options are modified.

[-is-v6-redirect-accepted {true|false}] - Accept redirects via ICMPv6

Sets this parameter to indicate whether or not redirect ICMPv6 messages are accepted.

[-redirect-v6-timeout <integer>] - Maximum seconds for route redirect timeout

Sets this parameter to indicate the number of seconds after which the route is deleted. Value of zero means infinity. The default value is 300 seconds.

Examples

```
cluster1::> network tuning icmp6 modify -node node1 -is-v6-redirect
-accepted false
```

network tuning icmp6 show

Show ICMPv6 tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the current state of the ICMPv6 tuning options for the given node.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

Displays all ICMPv6 tuning options.

[-node {<nodename>|local}] - Node

Specifies the node for which the ICMPv6 tuning options are displayed.

[-is-v6-redirect-accepted {true|false}] - Accept redirects via ICMPv6

Displays all entries that match the "is-v6-redirect-accepted" value.

[-redirect-v6-timeout <integer>] - Maximum seconds for route redirect timeout

Displays all the entries that match the "redirect-v6-timeout" value.

Examples

```
cluster1::> network tuning icmp6 show
Accept Redirect Redirect Timeout
Node      ICMPv6          in Seconds
--------- --------------- ----------------
node1
          true            300
```

network tuning tcp modify

Modify TCP tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This commands sets TCP tuning options on the node.

Parameters

`-node {<nodename>|local}` - Node
Indicates on which node the TCP tuning options will be modified.

`[-is-path-mtu-discovery-enabled {true|false}]` - Path MTU discovery enabled
Enables path MTU discovery feature.

`[-is-rfc3465-enabled {true|false}]` - RFC3465 enabled
Enables the rfc3465 feature.

`[-max-cwnd-increment <integer>]` - Maximum congestion window segments incrementation
Sets the maximum congestion window increment segements during slow start.

`[-is-rfc3390-enabled {true|false}]` - RFC3390 enabled
Enables the rfc3390 feature.

`[-is-sack-enabled {true|false}]` - SACK supoort enabled
Enables the selective ACK feature.

Examples

```
cluster1::> network tuning tcp modify -node node1 -is-path-mtu-discovery
-enabled false
```

network tuning tcp show

Show TCP tuning options

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

This command displays the current state of the TCP tuning options for the given node.

Parameters

`{ [-fields <fieldname>,…]`
If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

Displays all TCP tuning options.

[-node {<nodename>|local}] - Node

Specifies the node for which the TCP tuninng options will be displayed.

[-is-path-mtu-discovery-enabled {true|false}] - Path MTU discovery enabled

Displays all entries that match the "is-path-mtu-discovery-enabled" value.

[-is-rfc3465-enabled {true|false}] - RFC3465 enabled

Displays all entries that match the "is-rfc3465-enabled" value.

[-max-cwnd-increment <integer>] - Maximum congestion window segments incrementation

Displays all entries that match the "max-cwnd-increment" value.

[-is-rfc3390-enabled {true|false}] - RFC3390 enabled

Displays all entries that match the "is-rfc3390-enabled" value.

[-is-sack-enabled {true|false}] - SACK supoort enabled

Displays all entries that match the "is-sack-enabled" value.

Examples

```
cluster1::> network tuning tcp show
          Path MTU           Maximum                    Selective
Node      Discovery  RFC3465 Congestion Window RFC3390 Ack
          Enabled    Enabled Incrementation    Enabled Enabled
--------- ---------  ------- ----------------- ------- --------
node1
          true       true    2                 true    true
```

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.