storage port commands

ONTAP commands

NetApp
February 04, 2026

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

Table of Contents

storage port commands . . . 1
- storage port disable . . . 1
  - Description . . . 1
  - Parameters . . . 1
  - Examples . . . 1
- storage port enable . . . 1
  - Description . . . 1
  - Parameters . . . 1
  - Examples . . . 2
- storage port rescan . . . 2
  - Description . . . 2
  - Parameters . . . 2
  - Examples . . . 2
- storage port reset-device . . . 2
  - Description . . . 2
  - Parameters . . . 3
  - Examples . . . 3
- storage port reset . . . 3
  - Description . . . 3
  - Parameters . . . 4
  - Examples . . . 4
- storage port show . . . 4
  - Description . . . 4
  - Parameters . . . 4
  - Examples . . . 7

storage port commands

storage port disable

Disable a storage port

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

Description

The `storage port disable` command disables a specified storage port.

Parameters

`-node {<nodename>|local}` - Node

Use this parameter to specify the node on which the port resides.

`-port <text>` - Port

Use this parameter to specify the port that needs to be disabled.

`[-force <true>]` - Force (privilege: advanced)

Use this optional parameter to force the disabling of the storage port. The parameter can be used to disable the specified port even if some devices can only be accessed using this port. Note that doing so might cause multiple device failures.

Examples

The following example disables port 0a on node node1:

```
cluster1::> storage port disable -node node1 -port 0a
```

storage port enable

Enable a storage port

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

Description

The `storage port enable` command enables a specified storage port.

Parameters

`-node {<nodename>|local}` - Node

Use this parameter to specify the node on which the port resides.

-port <text> - Port

Use this parameter to specify the port that needs to be enabled.

Examples

The following example enables port 0a on node node1:

```
cluster1::> storage port enable -node node1 -port 0a
```

storage port rescan

Rescan a storage port

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

Description

The `storage port rescan` command rescans a specified storage port.

Parameters

-node {<nodename>|local} - Node (privilege: advanced)

Use this parameter to specify the node on which the port resides.

-port <text> - Port (privilege: advanced)

Use this parameter to specify the port that needs to be rescanned.

Examples

The following example rescans port 0a on node node1:

```
cluster1::> storage port rescan -node node1 -port 0a
```

storage port reset-device

Reset a device behind a storage port

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

Description

The `storage port reset-device` command resets a device behind a port. If the device is behind a SAS port, you need to specify the shelf name and bay ID where the device resides. If the device is behind a FC port, you need to specify the loop ID of the device.

Parameters

-node {<nodename>|local} - Node (privilege: advanced)

Use this parameter to specify the node on which the port resides.

-port <text> - Port (privilege: advanced)

Use this parameter to specify the port used to reset the device.

{ -shelf-name <text> - Shelf Name (privilege: advanced)

Use this parameter to specify the shelf where the device resides.

-bay-id <integer> - Bay ID (privilege: advanced)

Use this parameter to specify the bay where the device resides.

| -loop-id <integer> - Loop ID (privilege: advanced) }

Use this parameter to specify the loop ID of the device.

Examples

The following example resets a device behind SAS port 0a on node node1:

```
cluster1::> storage port reset-device -node node1 -port 0a -shelf-name 1.0
-bay-id 10
```

The following example resets a device behind FC port 1b on node node1:

```
cluster1::> storage port reset-device -node node1 -port 1b -loop-id 20
```

storage port reset

Reset a storage port

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

Description

The `storage port reset` command resets a specified storage port.

Parameters

-node {<nodename>|local} - Node (privilege: advanced)

Use this parameter to specify the node on which the port resides.

-port <text> - Port (privilege: advanced)

Use this parameter to specify the port that needs to be reset.

Examples

The following example resets port 0a on node node1:

```
cluster1::> storage port reset -node node1 -port 0a
```

storage port show

Show storage port information

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

Description

The `storage port show` command displays information about the storage ports in the cluster. If no parameters are specified, the default command displays the following information about the storage ports:

- Node
- Port
- Type
- Speed
- State
- Status

To display detailed profile information about a single storage port, use the `-node` and `-port` parameters.

Parameters

{ [-fields <fieldname>,…]

Displays the specified fields for all the storage ports, in column style output.

| [-errors]

Displays the following error status information about the storage ports which have errors:

- Error type
- Error severity
- Error description

| [-instance] }

Displays expanded information about all the storage ports in the system. If a storage port is specified, then this parameter displays detailed information for that port only.

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

Displays detailed information about the storage ports on the specified node.

[-port <text>] - Port

Selects the ports with the specified port name.

[-port-type {Unknown|SAS|FC}] - Port Type

Selects the ports of the specified type.

[-port-speed {0|1|1.5|2|3|4|6|8|10|12|16|32}] - Port Speed

Selects the ports with the specified speed.

[-state {enabled|disabled}] - Port State

Selects the ports with the specified state.

[-status {unknown|online|online-degraded|offline|link-down}] - Port Status

Selects the ports with the specified operational status.

[-description <text>] - Description

Selects the ports with the specified description.

[-firmware-rev <text>] - Firmware Revision

Selects the ports with the specified firmware revision.

[-serial-number <text>] - Serial Number

Selects the ports with the specified serial number.

[-connection-mode {Unknown|Loop|Point-to-point}] - Connection Mode

Selects the ports with the specified connection mode.

[-wwnn <FC WWN>] - World Wide Node Name

Selects the ports with the specified World Wide Node Name.

[-wwpn <FC WWN>] - World Wide Port Name

Selects the ports with the specified World Wide Port Name.

[-board-name <text>] - Board Name

Selects the ports with the specified board name.

[-connector-capabilities <integer>,…] - Connector Capabilities

Selects the ports with the specified list of connector capabilities.

[-wwn <FC WWN>] - Base World Wide Name

Selects the ports with the specified World Wide Name.

[-mfg-part-number <text>] - MFG Part Number

Selects the ports with the specified manufacturer part number.

[-nvdata-rev <text>] - NVDATA Revision

Selects the ports with the specified NVDATA revision.

[-part-number <text>] - Part Number

Selects the ports with the specified part number.

[-date-code <text>] - Date Code

Selects the ports with the specified date code.

[-cable-length <text>] - Cable Length

Selects the ports with the specified cable length.

[-cable-identifier <text>] - Cable Identifier

Selects the ports with the specified cable identifier.

[-cable-end-id {end_0|end_1}] - Cable End Identifier

Selects the ports with the specified cable end identifier.

[-connector-technology {active-copper|passive-copper|optical}] - Connector Technology

Selects the ports with the specified connector technology.

[-phy-id <integer>,…] - Phy ID

Selects the ports that have phys with the specified phy ID.

[-phy-state {enabled|disabled}] - Phy State

Selects the ports that have phys with the specified state.

[-phy-status {unknown|online|offline|speed-negotiation-failed|sata-oob-failed}] - Phy Status

Selects the ports that have phys with the specified status.

[-phy-speed {0|1|1.5|2|3|4|6|8|10|12|16|32}] - Phy Speed

Selects the ports that have phys with the specified speed.

[-error-type {unknown|online|online-degraded|offline|link-down}] - Error Type

Selects the ports with the specified error type.

[-error-severity {unknown|notice|warning|error|critical}] - Error Severity

Selects the ports with the specified error severity.

[-error-text <text>] - Error Text

Selects the ports with the specified error text.

[-corrective-action <text>] - Corrective Action

Selects the ports with the specified corrective action.

[-connector-type {QSFP|QSFP+|Mini-SAS HD|SFP}] - Connector Type

Selects the ports with the specified connector type.

[-connector-vendor <text>] - Connector Vendor

Selects the ports with the specified connector vendor.

[-connector-part-number <text>] - Connector Part Number

Selects the ports with the specified connector part number.

[-connector-serial-number <text>] - Connector Serial Number

Selects the ports with the specified connector serial number.

Examples

The following example displays information about all storage ports in the cluster:

```
cluster1::> storage port show
Speed
Node               Port Type (Gb/s) State    Status
------------------ ---- ---- ------ -------- ---------------
node1
                   0a   SAS       0 disabled offline
                   0b   SAS       6 enabled  online
                   1a   FC        0 disabled offline
                   1b   FC        2 enabled  online
node2
                   0a   SAS       6 enabled  online
                   0b   SAS       6 enabled  online-degraded
                   1a   FC        2 enabled  online
                   1b   FC        2 enabled  online
```

The following example displays detailed information about port 0a on node node1:

```
cluster1::> storage port show -node node1 -port 0b
Node: node1
                    Port: 0b
             Description: SAS Host Adapter 0b (PMC-Sierra PM8001 rev. C)
       Firmware Revision: 01.12.06.00
                Base WWN: 50:0a:09:80:00:82:47:b4
          Connector Type: qsfp
         Connector Vendor: Molex Inc.
  Connector Part Number: 112-00177+A0
   Connector Technology: passive_copper
Connector Serial Number: 017920547
            Cable Length: 2m
   Cable End Identifier: end_1
        Cable Identifier: 500a09800082847f-500a0980008247b4
              Port Speed: 6 Gb/s
              Port State: enabled
             Port Status: online
               Phy State: [0]  enabled,  online,  6 Gb/s
                          [1]  enabled,  online,  6 Gb/s
                          [2]  enabled,  online,  6 Gb/s
                          [3]  enabled,  online,  6 Gb/s
```

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.