

**NAME**

devlink-health – devlink health reporting and recovery

**SYNOPSIS**

**devlink** [ *OPTIONS* ] **health** { *COMMAND* | **help** }

*OPTIONS* := { -V[*ersion*] }

**devlink health show** [ { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER* ]

**devlink health recover** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER*

**devlink health diagnose** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER*

**devlink health dump show** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER*

**devlink health test** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER*

**devlink health dump clear** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER*

**devlink health set** { *DEV* | *DEV/PORT\_INDEX* } **reporter** *REPORTER* [ **grace\_period** *MSEC* ] [ **auto\_recover** { **true** | **false** } ] [ **auto\_dump** { **true** | **false** } ]

**devlink health help**

**DESCRIPTION**

**devlink health show - Show status and configuration on all supported reporters.**

Displays info about reporters registered on devlink devices and ports.

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**devlink health recover - Initiate a recovery operation on a reporter.**

This action performs a recovery and increases the recoveries counter on success.

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**devlink health diagnose - Retrieve diagnostics data on a reporter.**

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**devlink health test - Trigger a test event on a reporter.**

*DEV* - specifies the devlink device.

*REPORTER* - specifies the reporter's name registered on the devlink device.

**devlink health dump show - Display the last saved dump.**

devlink health saves a single dump per reporter. If an dump is not already stored by the Devlink, this command will generate a new dump. The dump can be generated either automatically when a reporter reports on an error or manually at the user's request.

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**devlink health dump clear - Delete the saved dump.**

Deleting the saved dump enables a generation of a new dump on the next "devlink health dump show" command.

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**devlink health set - Configure health reporter.**

Please note that some params are not supported on a reporter which doesn't support a recovery or dump method.

*DEV* - specifies the devlink device.

*DEV/PORT\_INDEX* - specifies the devlink port.

*REPORTER* - specifies the reporter's name registered on specified devlink device or port.

**grace\_period MSEC**

Time interval between consecutive auto recoveries.

**auto\_recover { true | false }**

Indicates whether the devlink should execute automatic recover on error.

**auto\_dump { true | false }**

Indicates whether the devlink should execute automatic dump on error.

**EXAMPLES**

devlink health show

List status and configuration of available reporters on devices and ports.

devlink health show pci/0000:00:09.0/1 reporter tx

List status and configuration of tx reporter registered on port on pci/0000:00:09.0/1

`devlink health recover pci/0000:00:09.0 reporter fw_fatal`

Initiate recovery on fw\_fatal reporter registered on device on pci/0000:00:09.0.

`devlink health recover pci/0000:00:09.0/1 reporter tx`

Initiate recovery on tx reporter registered on port on pci/0000:00:09.0/1.

`devlink health diagnose pci/0000:00:09.0 reporter fw`

List diagnostics data on the specified device and reporter.

`devlink health dump show pci/0000:00:09.0/1 reporter tx`

Display the last saved dump on the specified port and reporter.

`devlink health dump clear pci/0000:00:09.0/1 reporter tx`

Delete saved dump on the specified port and reporter.

`devlink health set pci/0000:00:09.0 reporter fw_fatal grace_period 3500`

Set time interval between auto recoveries to minimum of 3500 msec on the specified device and reporter.

`devlink health set pci/0000:00:09.0/1 reporter tx grace_period 3500`

Set time interval between auto recoveries to minimum of 3500 msec on the specified port and reporter.

`devlink health set pci/0000:00:09.0 reporter fw_fatal auto_recover false`

Turn off auto recovery on the specified device and reporter.

## SEE ALSO

**devlink(8), devlink-dev(8), devlink-port(8), devlink-param(8), devlink-region(8),**

## AUTHOR

Aya Levin <ayal@mellanox.com>