



Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!

Rocky Enterprise Linux 9.2 Manual Pages on command 'devlink-health.8'

\$ man devlink-health.8

DEVLINK-HEALTH(8) Linux DEVLINK-HEALTH(8)

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>