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 re?

porters.

 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 de?

 vlink 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 de?

 vlink 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 de?

 vlink 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 de?

 vice.

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 de?

 vlink 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 de?

vlink 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 de?

vlink 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),

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