

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*] [**burst_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.

burst_period MSEC

Time window for error recoveries before starting the grace period. Configuring burst_period is invalid when the grace period is disabled.

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.

`devlink health set pci/0000:00:09.0 reporter tx burst_period 5000`

Set the burst period to 5000 milliseconds on the specified device and reporter, prior to initiating the grace period.

`devlink health set pci/0000:00:09.0 reporter tx grace_period 0`

Disable grace period on the specified device and reporter. Disabling the grace period also deactivates the burst period.

SEE ALSO

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

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