

NAME

devlink-trap – devlink trap configuration

SYNOPSIS

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

OPTIONS := { **-v**[*erbose*] | **-s**[*tatistics*] }

devlink trap show [*DEV* **trap** *TRAP*]

devlink trap set *DEV* **trap** *TRAP* [**action** { **trap** | **drop** | **mirror** }]

devlink trap group show [*DEV* **group** *GROUP*]

devlink trap group set *DEV* **group** *GROUP* [**action** { **trap** | **drop** | **mirror** }]
[**policer** *POLICER*] [**nopolicer**]

devlink trap policer set *DEV* **policer** *POLICER* [**rate** *RATE*] [**burst** *BURST*]

devlink trap help

DESCRIPTION**devlink trap show - display available packet traps and their attributes**

DEV - specifies the devlink device from which to show packet traps. If this argument is omitted all packet traps of all devices are listed.

trap *TRAP* - specifies the packet trap. Only applicable if a devlink device is also specified.

devlink trap set - set attributes of a packet trap

DEV - specifies the devlink device the packet trap belongs to.

trap *TRAP* - specifies the packet trap.

action { **trap** | **drop** | **mirror** }
packet trap action.

trap - the sole copy of the packet is sent to the CPU.

drop - the packet is dropped by the underlying device and a copy is not sent to the CPU.

mirror - the packet is forwarded by the underlying device and a copy is sent to the CPU.

devlink trap group show - display available packet trap groups and their attributes

DEV - specifies the devlink device from which to show packet trap groups. If this argument is omitted all packet trap groups of all devices are listed.

group *GROUP* - specifies the packet trap group. Only applicable if a devlink device is also specified.

devlink trap group set - set attributes of a packet trap group

DEV - specifies the devlink device the packet trap group belongs to.

group *GROUP* - specifies the packet trap group.

action { **trap** | **drop** | **mirror** }

packet trap action. The action is set for all the packet traps member in the trap group. The actions of non-drop traps cannot be changed and are thus skipped.

policer *POLICER*

packet trap policer. The policer to bind to the packet trap group. A value of "0" will unbind the currently bound policer.

nopolicer

Unbind packet trap policer from the packet trap group.

devlink trap policer set - set attributes of packet trap policer

DEV - specifies the devlink device the packet trap policer belongs to.

policer *POLICER* - specifies the packet trap policer.

rate *RATE* - packet trap policer rate in packets per second.

burst *BURST* - packet trap policer burst size in packets.

EXAMPLES

devlink trap show

List available packet traps.

devlink trap group show

List available packet trap groups.

devlink -vs trap show pci/0000:01:00.0 trap source_mac_is_multicast

Show attributes and statistics of a specific packet trap.

devlink -s trap group show pci/0000:01:00.0 group l2_drops

Show attributes and statistics of a specific packet trap group.

devlink trap set pci/0000:01:00.0 trap source_mac_is_multicast action trap

Set the action of a specific packet trap to 'trap'.

devlink trap policer show

List available packet trap policers.

devlink -s trap policer show pci/0000:01:00.0 policer 1

Show attributes and statistics of a specific packet trap policer.

devlink trap policer set pci/0000:01:00.0 policer 1 rate 1000 burst 128

Set the rate and burst size of a specific packet trap policer.

SEE ALSO

devlink(8), **devlink-dev(8)**, **devlink-monitor(8)**,

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