



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

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'devlink-trap.8' command

\$ man devlink-trap.8

DEVLINK-TRAP(8) Linux DEVLINK-TRAP(8)

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),

AUTHOR

Ido Schimmel <idosch@mellanox.com>