## **NAME**

mirred - mirror/redirect action

# **SYNOPSIS**

tc ... action mirred DIRECTION ACTION [ index INDEX ] dev DEVICENAME

```
DIRECTION := { ingress | egress }
ACTION := { mirror | redirect }
```

#### DESCRIPTION

The **mirred** action allows packet mirroring (copying) or redirecting (stealing) the packet it receives. Mirroring is what is sometimes referred to as Switch Port Analyzer (SPAN) and is commonly used to analyze and/or debug flows.

## **OPTIONS**

ingress

**egress** Specify the direction in which the packet shall appear on the destination interface.

mirror

redirect

Define whether the packet should be copied (**mirror**) or moved (**redirect**) to the destination interface.

## index INDEX

Assign a unique ID to this action instead of letting the kernel choose one automatically. *INDEX* is a 32bit unsigned integer greater than zero.

#### dev DEVICENAME

Specify the network interface to redirect or mirror to.

#### **EXAMPLES**

Limit ingress bandwidth on eth0 to 1mbit/s, redirect exceeding traffic to lo for debugging purposes:

Mirror all incoming ICMP packets on eth0 to a dummy interface for examination with e.g. tcpdump:

Using an **ifb** interface, it is possible to send ingress traffic through an instance of **sfq**:

**SEE ALSO** 

tc(8), tc-u32(8)