NAME

fw − fwmark traffic control filter

SYNOPSIS

tc filter ... **fw** [**classid** *CLASSID*] [**action** *ACTION_SPEC*]

DESCRIPTION

the **fw** filter allows to classify packets based on a previously set **fwmark** by **iptables**. If it is identical to the filter's **handle**, the filter matches. **iptables** allo ws to mark single packets with the **MARK** target, or whole connections using **CONNMARK**. The benefit of using this filter instead of doing the heavy-lifting with **tc** itself is that on one hand it might be convenient to keep packet filtering and classification in one place, possibly having to match a packet just once, and on the other users familiar with **iptables** but not **tc** will have a less hard time adding QoS to their setups.

OPTIONS

classid *CLASSID*

Push matching packets to the class identified by*CLASSID*.

action *ACTION_SPEC*

Apply an action from the generic actions framework on matching packets.

EXAMPLES

Take e.g. the following tc filter statement:

```
tc filter add ... handle 6 fw classid 1:1
```

will match if the packet's **fwmark** value is **6**. This is a sample**iptables** statement marking pack ets coming in on eth0:

```
iptables -t mangle -A PREROUTING -i eth0 -j MARK --set-mark 6
```

SEE ALSO

tc(8), **iptables**(8), **iptables-extensions**(8)