NAME

route − route traffic control filter

SYNOPSIS

tc filter ... **route** [**from** *REALM* | **fromif** *TAG*] [**to** *REALM*] [**classid** *CLASSID*] [**action** *ACTION_SPEC*]

DESCRIPTION

Match packets based on routing table entries. This filter centers around the possibility to assign a **realm** to routing table entries. For any packet to be classified by this filter, a routing table lookup is performed and the returned **realm** is used to decide on whether the packet is a match or not.

OPTIONS

action *ACTION_SPEC*

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

classid *CLASSID*

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

from *REALM*

fromif *TAG*

Perform source route lookups. *TAG* is the name of an interface which must be present on the system at the time of **tc** invocation.

to *REALM*

Match if normal (i.e., destination) routing returns the given *REALM*.

EXAMPLES

Consider the subnet 192.168.2.0/24 being attached to eth0:

```
ip route add 192.168.2.0/24 dev eth0 realm 2
```

The following **route** filter will then match packets from that subnet:

```
tc filter add ... route from 2 classid 1:2
```

and pass packets on to class 1:2.

NOTES

Due to implementation details, **realm** values must be in a range from 0 to 255, inclusive. Alternatively, a verbose name defined in /etc/iproute2/rt_realms may be given instead.

SEE ALSO

tc(8), **ip-route**(8)