

NAME

matchall – traffic control filter that matches every packet

SYNOPSIS

```
tc filter ... matchall [ skip_sw | skip_hw ] [ action ACTION_SPEC ] [ classid CLASSID ]
```

DESCRIPTION

The **matchall** filter allows to classify every packet that flows on the port and run a action on it.

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*.

skip_sw

Do not process filter by software. If hardware has no offload support for this filter, or TC offload is not enabled for the interface, operation will fail.

skip_hw

Do not process filter by hardware.

EXAMPLES

To create ingress mirroring from port eth1 to port eth2:

```
tc qdisc add dev eth1 handle ffff: ingress
tc filter add dev eth1 parent ffff:          \
    matchall skip_sw                        \
    action mirred egress mirror            \
    dev eth2
```

The first command creates an ingress qdisc with handle **ffff:** on device **eth1** where the second command attaches a matchall filters on it that mirrors the packets to device eth2.

To create egress mirroring from port eth1 to port eth2:

```
tc qdisc add dev eth1 handle 1: root prio
tc filter add dev eth1 parent 1:            \
    matchall skip_sw                        \
    action mirred egress mirror            \
    dev eth2
```

The first command creates an egress qdisc with handle **1:** that replaces the root qdisc on device **eth1** where the second command attaches a matchall filters on it that mirrors the packets to device eth2.

To sample one of every 100 packets flowing into interface eth0 to psample group 12:

```
tc qdisc add dev eth0 handle ffff: ingress
tc filter add dev eth0 parent ffff: matchall \
    action sample rate 100 group 12
```

SEE ALSO

tc(8),