Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tc-matchall.8' command

$ man tc-matchall.8

Match-all classifier in tc(8)   Linux   Match-all classifier in tc(8)

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 one 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 psam‐

ple 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),

iproute2   21 Oct 2015   Match-all classifier in tc(8)