



Rocky Enterprise Linux 9.2 Manual Pages on command 'tc-matchall.8'

C:\>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 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),

iproute2

21 Oct 2015

Match-all classifier in tc(8)