



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tc-tcindex.8' command***

***\$ man tc-tcindex.8***

Traffic control index filter(8) Linux Traffic control index filter(8)

### NAME

tcindex - traffic control index filter

### SYNOPSIS

```
tc filter ... tcindex [ hash SIZE ] [ mask MASK ] [ shift SHIFT ] [
    pass_on | fall_through ] [ classid CLASSID ] [ action AC?
    TION_SPEC ]
```

### DESCRIPTION

This filter allows one to match packets based on their tcindex field value, i.e. the combination of the DSCP and ECN fields as present in IPv4 and IPv6 headers.

### 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.

## hash SIZE

Hash table size in entries to use. Defaults to 64.

## mask MASK

An optional bitmask to binary AND to the packet's tcindex field before use.

## shift SHIFT

The number of bits to right-shift a packet's tcindex value before use. If a mask has been set, masking is done before shifting.

## pass\_on

If this flag is set, failure to find a class for the resulting ID will make the filter fail and lead to the next filter being consulted.

## fall\_through

This is the opposite of pass\_on and the default. The filter will classify the packet even if there is no class present for the resulting class ID.

## SEE ALSO

tc(8)

iproute2

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