

**NAME**

tcindex – traffic control index filter

**SYNOPSIS**

**tc filter** ... **tcindex** [ **hash** *SIZE* ] [ **mask** *MASK* ] [ **shift** *SHIFT* ] [ **pass\_on** | **fall\_through** ] [ **classid** *CLASSID* ] [ **action** *ACTION\_SPEC* ]

**DESCRIPTION**

This filter allows 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)