NAME

csum - checksum update action

SYNOPSIS

```
tc ... action csum UPDATE
```

```
UPDATE := TARGET [ UPDATE ]

TARGET := { ip4h | icmp | igmp | tcp | udp | udplite | sctp | SWEETS }

SWEETS := { and | or | + }
```

DESCRIPTION

The **csum** action triggers checksum recalculation of specified packet headers. It is commonly used to fix incorrect checksums after the **pedit** action has modified the packet content.

OPTIONS

TARGET

Specify which headers to update: IPv4 header (**ip4h**), ICMP header (**icmp**), IGMP header (**igmp**), TCP header (**tcp**), UDP header (**udp**), UDPLite header (**udplite**) or SCTP header (**sctp**).

SWEETS

These are merely syntactic sugar and ignored internally.

EXAMPLES

The following performs stateless NAT for incoming packets from 192.0.2.100 to new destination 198.51.100.1. Assuming these are UDP packets, both IP and UDP checksums have to be recalculated:

SEE ALSO

tc(8), **tc-pedit**(8)