

NAME

dcb-maxrate – show / manipulate port maxrate settings of the DCB (Data Center Bridging) subsystem

SYNOPSIS

dcb [*OPTIONS*] **maxrate** { *COMMAND* | *help* }

dcb maxrate show dev DEV [**tc-maxrate**]

dcb maxrate set dev DEV [**tc-maxrate** *RATE-MAP*]

RATE-MAP := [*RATE-MAP*] *RATE-MAPPING*

RATE-MAPPING := { *TC* | **all** }:*RATE*

TC := { **0** .. **7** }

RATE := { *INTEGER*[**bit**] | *INTEGER***Kbit** | *INTEGER***Mib** | ... }

DESCRIPTION

dcb maxrate is used to configure and inspect maximum rate at which traffic is allowed to egress from a given traffic class.

PARAMETERS

The following describes only the write direction, i.e. as used with the **set** command. For the **show** command, the parameter name is to be used as a simple keyword without further arguments. This instructs the tool to show the value of a given parameter. When no parameters are given, the tool shows the complete maxrate configuration.

tc-maxrate *RATE-MAP*

RATE-MAP uses the array parameter syntax, see **dcb(8)** for details. Keys are TC indices, values are traffic rates in bits per second. The rates can use the notation documented in section **PARAMETERS** at **tc(8)**. Note that under that notation, "bit" stands for bits per second whereas "b" stands for bytes per second. When showing, the command line option **-i** toggles between using decadic and ISO/IEC prefixes.

EXAMPLE & USAGE

Set rates of all traffic classes to 25Gbps, except for TC 6, which will have the rate of 100Gbps:

```
# dcb maxrate set dev eth0 tc-maxrate all:25Gbit 6:100Gbit
```

Show what was set:

```
# dcb maxrate show dev eth0
tc-maxrate 0:25Gbit 1:25Gbit 2:25Gbit 3:25Gbit 4:25Gbit 5:25Gbit 6:100Gbit 7:25Gbit
```

EXIT STATUS

Exit status is 0 if command was successful or a positive integer upon failure.

SEE ALSO

dcb(8)

REPORTING BUGS

Report any bugs to the Network Developers mailing list <netdev@vger.kernel.org> where the development and maintenance is primarily done. You do not have to be subscribed to the list to send a message there.

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