Red Hat Enterprise Linux Release 9.2 Manual Pages on 'dcb-dcbx.8' command

$ man dcb-dcbx.8

DCB-DCBX(8)   Linux   DCB-DCBX(8)

NAME

    dcb-dcbx - show / manipulate port DCBX (Data Center Bridging eXchange)

SYNOPSIS

    dcb [OPTIONS] dcbx { COMMAND | help }

    dcb dcbx show dev DEV

    dcb dcbx set dev DEV [host] [lld-managed] [cee] [ieee] [static

       ]

DESCRIPTION

    Data Center Bridging eXchange (DCBX) is a protocol used by DCB devices

    to exchange configuration information with directly connected peers.

    The Linux DCBX object is a 1-byte bitfield of flags that configure

    whether DCBX is implemented in the device or in the host, and which

    version of the protocol should be used. dcb dcbx is used to access the

    per-port Linux DCBX object.

    There are two principal modes of operation: in host mode, DCBX protocol

    is implemented by the host LLDP agent, and the DCB interfaces are used

    to propagate the negotiate parameters to capable devices. In lld-man?

    aged mode, the configuration is handled by the device, and DCB inter?

    faces are used for inspection of negotiated parameters, and can also be

    used to set initial parameters.

PARAMETERS

    When used with dcb dcbx set, the following keywords enable the corre?

sponding configuration. The keywords that are not mentioned on the com?

mand line are considered disabled. When used with show, each enabled

feature is shown by its corresponding keyword.

host

lld-managed

> The device is in the host mode of operation and, respectively,
>
> the lld-managed mode of operation, as described above. In prin?
>
> ciple these two keywords are mutually exclusive, but dcb dcbx
>
> allows setting both and lets the driver handle it as appropri?
>
> ate.

cee

ieee   The device supports CEE (Converged Enhanced Ethernet) and, re?

> spectively, IEEE version of the DCB specification. Typically
>
> only one of these will be set, but dcb dcbx does not mandate
>
> this.

static indicates the engine supports static configuration. No actual

> negotiation is performed, negotiated parameters are always the
>
> initial configuration.

EXAMPLE & USAGE

Put the DCB engine into the "host" mode of operation, and use IEEE-

standardized DCB interfaces:

dcb dcbx set dev eth0 host ieee

Show what was set:

dcb dcbx show dev eth0

host ieee

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 <net?

dev@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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