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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tipc-bearer.8' command

\$ man tipc-bearer.8

TIPC-BEARER(8) Linux TIPC-BEARER(8)

NAME

tipc-bearer - show or modify TIPC bearers

SYNOPSIS

tipc bearer add media udp name NAME remoteip REMOTEIP

tipc bearer enable [domain DOMAIN] [priority PRIORITY] media

{ { eth | ib } device DEVICE } |

{ udp name NAME localip LOCALIP [localport LOCALPORT] [re?

moteip REMOTEIP] [remoteport REMOTEPORT] }

tipc bearer disable media

{ { eth | ib } device DEVICE } |

{ udp name NAME }

tipc bearer set { priority PRIORITY | tolerance TOLERANCE | window WIN?

DOW } media

{ { eth | ib } device DEVICE } |

{ udp name NAME }

tipc bearer get [priority | tolerance | window] media

{ { eth | ib } device DEVICE } |

{ udp name NAME [localip | localport | remoteip | remoteport]

}

tipc bearer list

OPTIONS

Options (flags) that can be passed anywhere in the command chain.

-h, --help

Show help about last valid command. For example `tipc bearer`

`--help` will show bearer help and `tipc --help` will show general

help. The position of the option in the string is irrelevant.

DESCRIPTION

Bearer identification

media MEDIA

Specifies the TIPC media type for a particular bearer to operate

on. Different media types have different ways of identifying a

unique bearer. For example, `ib` and `eth` identify a bearer with a

`DEVICE` while `udp` identify a bearer with a `LOCALIP` and a `NAME`

`ib` - Infiniband

`eth` - Ethernet

`udp` - User Datagram Protocol (UDP)

name NAME

Logical bearer identifier valid for bearers on `udp` media.

device DEVICE

Physical bearer device valid for bearers on `eth` and `ib` media.

Bearer properties

domain

The addressing domain (region) in which a bearer will establish

links and accept link establish requests.

priority

Default link priority inherited by all links subsequently estab?

lished over a bearer. A single bearer can only host one link to

a particular node. This means the default link priority for a

bearer typically affects which bearer to use when communicating

with a particular node in an multi bearer setup. For more info

about link priority see `tipc-link(8)`

tolerance

Default link tolerance inherited by all links subsequently es?

tablished over a bearer. For more info about link tolerance see

`tipc-link(8)`

window

Default link window inherited by all links subsequently established over a bearer. For more info about the link window size see `tipc-link(8)`

UDP bearer options

`localip LOCALIP`

Specify a local IP v4/v6 address for a udp bearer.

`localport LOCALPORT`

Specify the local port for a udp bearer. The default port 6118 is used if no port is specified.

`remoteip REMOTEIP`

Specify a remote IP for a udp bearer. If no remote IP is specified a udp bearer runs in multicast mode and tries to auto-discover its neighbours. The multicast IP address is generated based on the TIPC network ID. If a remote IP is specified the udp bearer runs in point-to-point mode.

Multiple remoteip addresses can be added via the bearer add command. Adding one or more unicast remoteip addresses to an existing udp bearer puts the bearer in replicast mode where IP multicasting is emulated by sending multiple unicast messages to each configured remoteip. When a peer sees a TIPC discovery message from an unknown peer the peer address is automatically added to the remoteip (replicast) list, thus only one side of a link needs to be manually configured. A remoteip address cannot be added to a multicast bearer.

`remoteport REMOTEPORT`

Specify the remote port for a udp bearer. The default port 6118 is used if no port is specified.

EXIT STATUS

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

SEE ALSO

`tipc(8)`, `tipc-link(8)`, `tipc-media(8)`, `tipc-nametable(8)`, `tipc-node(8)`,

tipc-peer(8), tipc-socket(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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iproute2

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