

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*] [**remoteip** *RE-*
MOTEIP] [**remoteport** *REMOTEP*ORT] }

tipc bearer disable media
 { { **eth** | **ib** } **device** *DEVICE* } |
 { **udp name** *NAME* }

tipc bearer set { **priority** *PRIORITY* | **tolerance** *TOLERANCE* | **window** *WINDOW* } **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 established 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 established 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 multicast 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 <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.

AUTHOR

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