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Rocky Enterprise Linux 9.2 Manual Pages on command 'ip-mptcp.8'

\$ man ip-mptcp.8

IP-MPTCP(8) Linux IP-MPTCP(8)

NAME

ip-mptcp - MPTCP path manager configuration

SYNOPSIS

```
ip [ OPTIONS ] mptcp { endpoint | limits | help }

ip mptcp endpoint add IFADDR [ port PORT ] [ dev IFNAME ] [ id ID ] [ FLAG-LIST ]

ip mptcp endpoint del id ID

ip mptcp endpoint show [ id ID ]

ip mptcp endpoint flush

FLAG-LIST := [ FLAG-LIST ] FLAG

FLAG := [ signal | subflow | backup ]

ip mptcp limits set [ subflow SUBFLOW_NR ] [ add_addr_accepted ADD_ADDR_ACCEPTED_NR ]

ip mptcp limits show

ip mptcp monitor
```

DESCRIPTION

MPTCP is a transport protocol built on top of TCP that allows TCP connections to use multiple paths to maximize resource usage and increase redundancy. The ip-mptcp sub-commands allow configuring several aspects of the MPTCP path manager, which is in charge of subflows creation:

The endpoint object specifies the IP addresses that will be used and/or announced for additional subflows:

```
ip mptcp endpoint add     add new MPTCP endpoint

ip mptcp endpoint delete   delete existing MPTCP endpoint
```

ip mptcp endpoint show get existing MPTCP endpoint

ip mptcp endpoint flush flush all existing MPTCP endpoints

PORT When a port number is specified, incoming MPTCP subflows for already established

MPTCP sockets will be accepted on the specified port, regardless the original lis?

tener port accepting the first MPTCP subflow and/or this peer being actually on the client side.

ID is a unique numeric identifier for the given endpoint

signal the endpoint will be announced/signalled to each peer via an ADD_ADDR MPTCP sub-op?

tion

subflow

if additional subflow creation is allowed by MPTCP limits, the endpoint will be

used as the source address to create an additional subflow after that the MPTCP connection is established.

backup the endpoint will be announced as a backup address, if this is a signal endpoint,

or the subflow will be created as a backup one if this is a subflow endpoint

The limits object specifies the constraints for subflow creations:

ip mptcp limits show get current MPTCP subflow creation limits

ip mptcp limits set change the MPTCP subflow creation limits

SUBFLOW_NR

specifies the maximum number of additional subflows allowed for each MPTCP connec?

tion. Additional subflows can be created due to: incoming accepted ADD_ADDR option,

local subflow endpoints, additional subflows started by the peer.

ADD_ADDR_ACCEPTED_NR

specifies the maximum number of ADD_ADDR suboptions accepted for each MPTCP connec?

tion. The MPTCP path manager will try to create a new subflow for each accepted

ADD_ADDR option, respecting the SUBFLOW_NR limit.

monitor displays creation and deletion of MPTCP connections as well as addition or removal

of remote addresses and subflows.

AUTHOR

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