



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

C:\>man ip-nexthop.8

IP-NEXTHOP(8) Linux IP-NEXTHOP(8)

NAME

ip-nexthop - nexthop object management

SYNOPSIS

ip [ip-OPTIONS] nexthop { COMMAND | help }

ip nexthop { show | flush } SELECTOR

ip nexthop { add | replace } id ID NH

ip nexthop { get | del } id ID

SELECTOR := [id ID] [dev DEV] [vrf NAME] [master DEV] [groups]

NH := { blackhole | [via ADDRESS] [dev DEV] [onlink] [encap ENCAP] | group

GROUP }

ENCAP := [ENCAP_MPLS]

ENCAP_MPLS := mpls [LABEL] [ttl TTL]

GROUP := id[,weight[/...]]

DESCRIPTION

ip nexthop is used to manipulate entries in the kernel's nexthop tables.

ip nexthop add id ID

add new nexthop entry

ip nexthop replace id ID

change the configuration of a nexthop or add new one

via [FAMILY] ADDRESS

the address of the nexthop router, in the address family FAMILY. Ad?

dress family must match address family of nexthop instance.

dev NAME

is the output device.

onlink pretend that the nexthop is directly attached to this link, even if

it does not match any interface prefix.

encap ENCAPTYPE ENCAPHDR

attach tunnel encapsulation attributes to this route.

ENCAPTYPE is a string specifying the supported encapsulation type.

Namely:

mpls - encapsulation type MPLS

ENCAPHDR is a set of encapsulation attributes specific to the ENCAP?

TYPE.

mpls

MPLSLABEL - mpls label stack with labels separated by /

ttl TTL - TTL to use for MPLS header or 0 to inherit from

IP header

group GROUP

create a nexthop group. Group specification is id with an optional

weight (id,weight) and a '/' as a separator between entries.

blackhole

create a blackhole nexthop

ip nexthop delete id ID

delete nexthop with given id.

ip nexthop show

show the contents of the nexthop table or the nexthops selected by some cri?

teria.

dev DEV

show the nexthops using the given device.

vrf NAME

show the nexthops using devices associated with the vrf name

master DEV

show the nexthops using devices enslaved to given master device

groups show only nexthop groups

`ip nexthop flush`

flushes nexthops selected by some criteria. Criteria options are the same as `show`.

`ip nexthop get id ID`

get a single nexthop by id

EXAMPLES

`ip nexthop ls`

Show all nexthop entries in the kernel.

`ip nexthop add id 1 via 192.168.1.1 dev eth0`

Adds an IPv4 nexthop with id 1 using the gateway 192.168.1.1 out device eth0.

`ip nexthop add id 2 encap mpls 200/300 via 10.1.1.1 dev eth0`

Adds an IPv4 nexthop with mpls encapsulation attributes attached to it.

`ip nexthop add id 3 group 1/2`

Adds a nexthop with id 3. The nexthop is a group using nexthops with ids 1 and 2 at equal weight.

`ip nexthop add id 4 group 1,5/2,11`

Adds a nexthop with id 4. The nexthop is a group using nexthops with ids 1 and 2 with nexthop 1 at weight 5 and nexthop 2 at weight 11.

SEE ALSO

`ip(8)`

AUTHOR

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iproute2

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