

**NAME**

iptunnel – Create and manage IP tunnels

**SYNOPSIS**

```
iptunnel { add | change | del | show } [ NAME ]
  [ mode { ipip | gre | sit } ] [ remote ADDR ] [ local ADDR ]
  [ [i|o]seq ] [ [i|o]key KEY ] [ [i|o]csum ]
  [ ttl TTL ] [ tos TOS ] [ nopmtudisc ] [ dev PHYS_DEV ]
```

```
iptunnel -V | --version
```

**Where:** NAME := STRING

ADDR := { IP\_ADDRESS | any }

TOS := { NUMBER | inherit }

TTL := { 1..255 | inherit }

KEY := { DOTTED\_QUAD | NUMBER }

**DESCRIPTION**

**iptunnel** can be used to add, change, delete and show IP tunnels on the machine.

**OPTIONS**

**help** Show the help text.

**show** List existing IP tunnels.

{ **add** | **change** | **del** } [ NAME ]

Specify an action (**add**, **change** or **delete** an IP tunnel) to be executed by **iptunnel** on the tunnel named **NAME**, which must be a string. You must specify one action.

**mode PROTOCOL**

Specify the **PROTOCOL** to be used for the IP tunnel. It can be **ipip** for TCP/IP, **gre** for Cisco GRE tunnel (RFCs 1701 and 1702), or **sit** for IPv6-in-IPv4 tunneling.

**remote ADDR**

Set the remote (i.e., destination) address of the tunnel. **ADDR** must be an IP address or the word **any**.

**local ADDR**

Set the local (i.e., source) address of the tunnel. **ADDR** must be an IP address or the word **any**.

**iseq** Require that all incoming packets are serialized. Only applicable for **GRE** tunnels.

**oseq** Enable serialization (sequencing) for all outgoing packets. Only applicable for **GRE** tunnels.

**ikey KEY**

Specify the input key for the Cisco GRE tunnel. **KEY** must be either in dotted quad (dotted decimal) or a number. Only applicable for **GRE** tunnels.

**okey KEY**

Same as **ikey**, but set the output key instead. Only applicable for **GRE** tunnels.

**icsum** Require that all incoming packets have the correct checksum. Only applicable for **GRE** tunnels.

**ocsum** Calculate checksums for all outgoing packets. Only applicable for **GRE** tunnels.

**ttl TTL**

Specify the **Time-To-Live** value for the IP tunnel. **TTL** must be a value between **1** and **255**, or the word **inherit**, which causes the field to be copied from the original IP header.

**tos TOS**

Specify the **Type-Of-Service** value for the IP tunnel. **TOS** must be a value between **1** and **255**, or the word **inherit**, which causes the field to be copied from the original IP header.

**nopmtudisc**

Disable **Path MTU Discovery** on this tunnel. Note that a fixed **ttl** is incompatible with this option.

**dev PHYS\_DEV**

Bind the tunnel to the device **PHYS\_DEV**.

**HOMEPAGE**

<<https://sourceforge.net/projects/net-tools/>>

**AUTHORS**

This manpage was written by Sergio Durigan Junior <sergiodj (at) sergiodj (dot) net>. A few parts were inspired by **ip-tunnel(1)**'s manpage.

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