

## Tunnelled IPv6 via Hurricane Electric on Ubuntu

Written by tag

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Step 1) Register for a tunnel at [tunnelbroker.net](http://tunnelbroker.net)

Step 2) Add the following to /etc/network/interfaces:

```
# $SERVERIPV4ADDR == Server IPv4 address as listed on tunnelbroker.net    #
$CLIENTIPV4ADDR == Client IPv4 address as listed on tunnelbroker.net

# $CLIENTIPV6ADDR == Client IPv6 address as listed on tunnelbroker.net

# $ROUTED64 == Routed /64 as listed on tunnelbroker.net

#

# IPv6 via HE tunnel...

auto he-ipv6

iface he-ipv6 inet6 v4tunnel

    address $CLIENTIPV6ADDR

    netmask 64

    remote $SERVERIPV4ADDR

    local $CLIENTIPV4ADDR

    endpoint any

    ttl 64

up    ip -6 route add 2000::/3 via ::$SERVERIPV4ADDR dev he-ipv6

up    ip -6 addr add $ROUTED64::1:1/128 dev he-ipv6

up    ip -6 addr add $ROUTED64::2:1/128 dev he-ipv6

down  ip -6 route flush dev he-ipv6
```

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In the above example, `$ROUTED64::1:1` is the first IPv6 address on that interface, `$ROUTED64::2:1` is the second (if desired), etc.

Step 3) Bring up and verify:

```
# ifup he-ipv6    # ping6 ipv6.google.com
```