Tunnelled IPv6 via Hurricane Electric on Ubuntu

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Step 1) Register for a tunnel at 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

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