

IPV6 Testbed
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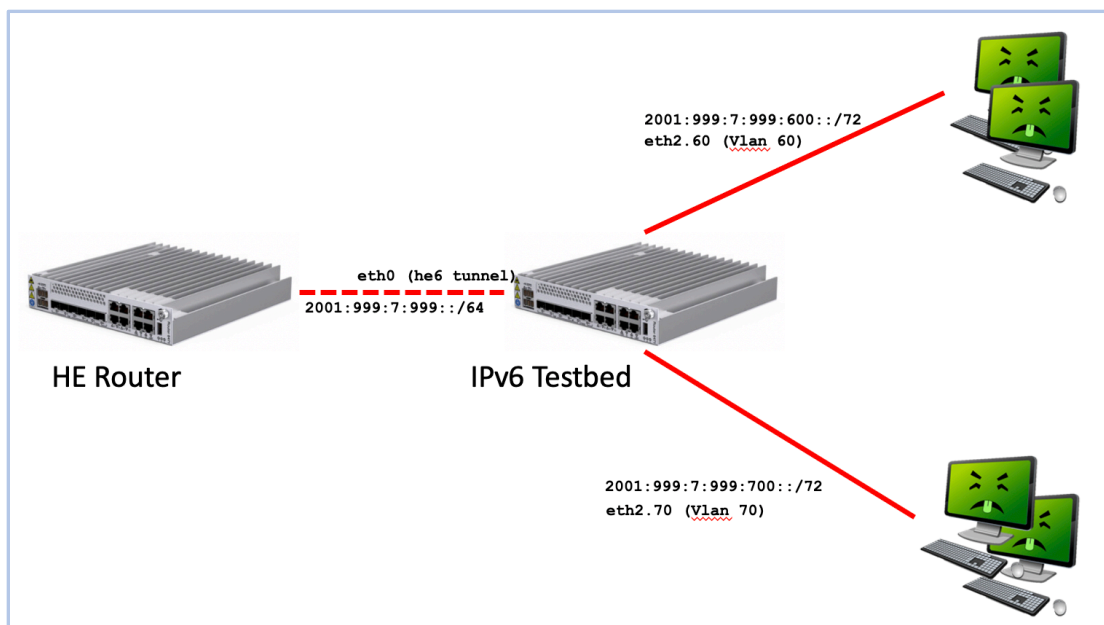
Overview

This is a tunneled setup via Hurricane Electric.

<https://tunnelbroker.net/>

Basic routed network example. Includes two /72 subnets and HE provides a /64 across the tunnel. DNS server running under BIND9.

- NOTE: There is NO NAT in this network. It is pure routed only.
- Firewall implemented with IPTABLES.
- DHCPv6 running.
- RADVD (IPv6 Router Advertisement daemon running)
- BIND9 DNS running.



Configuration files of note:

- /etc/iptables/rules.v6
- /etc/radvd.conf
- /etc/dhcpd/dhcpd6.conf
- /etc/network/interfaces (HE6 tunnel config)
- /etc/iptables/update-iana-allocated.sh (build IANA address list in ipset form)

```
# Uncomment the next line to enable packet forwarding for IPv6  
# Enabling this option disables Stateless Address Autoconfiguration  
# based on Router Advertisements for this host  
net.ipv6.conf.all.forwarding=1
```

NOTE: YOU MUST enable IPv6 datagram forwarding in `/etc/sysctl.conf` to route IPv6.