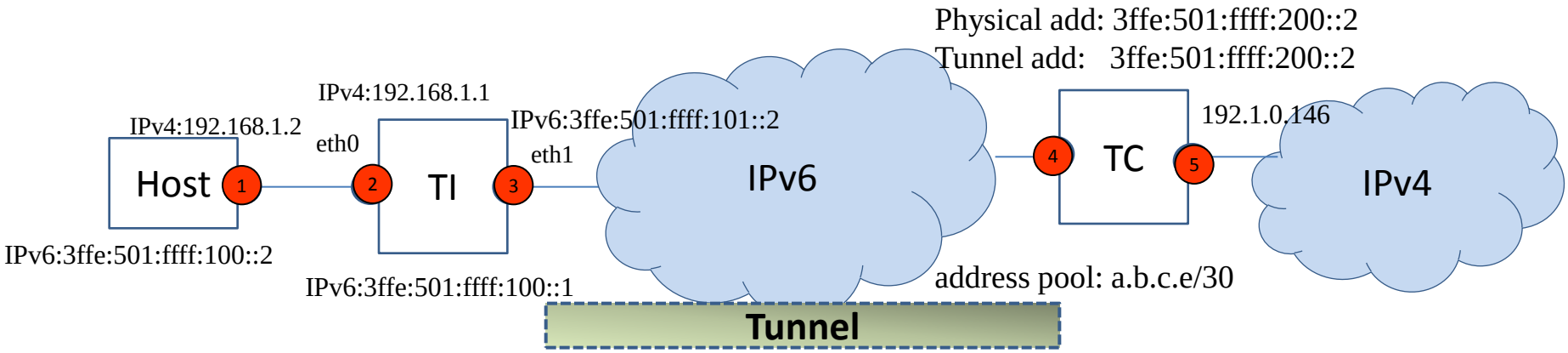
Lightweight 4over6 Topology and Configuration Example



Upstream Packet: **[src: 3ffe:501:ffff:101::2, dst: 3ffe:501:ffff:200::2]**
Downstream Packet: **[src: 3ffe:501:ffff:200::2, dst: 3ffe:501:ffff:101::2]**

Routing process:

3ffe:501:ffff:101::/64 dev eth1
3ffe:501:ffff:100::/64 dev eth0
default via 3ffe:501:ffff:101::1 dev eth1

3ffe:501:ffff:200::/64 dev eth1
default via 3ffe:501:ffff:200::1 dev eth1

Configuration Example:

cpe_config.conf

[Setting]
LocalIPv6Addr= 3ffe:501:ffff:101::2
PhysicalComGatewayAddr= 3ffe:501:ffff:200::2
VirtualComGatewayAddr= 3ffe:501:ffff:200::2
PcpPort=5351
LogFlag=1
DnsSrvIPv6=2001:470:20::2

addr_pool.conf

range 192.1.0.148/30

tc.conf

endpoint 3ffe:501:ffff:200::2
Localipv4 192.1.0.146

Startup:

sudo ./cpe.sh start

Startup:

sudo ./tc.sh start

Note:
1. Currently, physical address and virtual tunnel address are the same address in TC.
2. IPv4 and IPv6 address should be replaced with your real address
3. The bak_addr_pool.conf is used in failover mechanism, in which the address pool of primary TC is configured. It is not necessary for one TC case.
4. The configuration in the default conf files should be consistent with the above example.

This implementation is based on the following drafts:
1. lightweight 4over6: draft-cui-softwire-b4-translated-ds-lite-06.txt
2. pcp-natcoord: draft-tsou-pcp-natcoord-07.txt