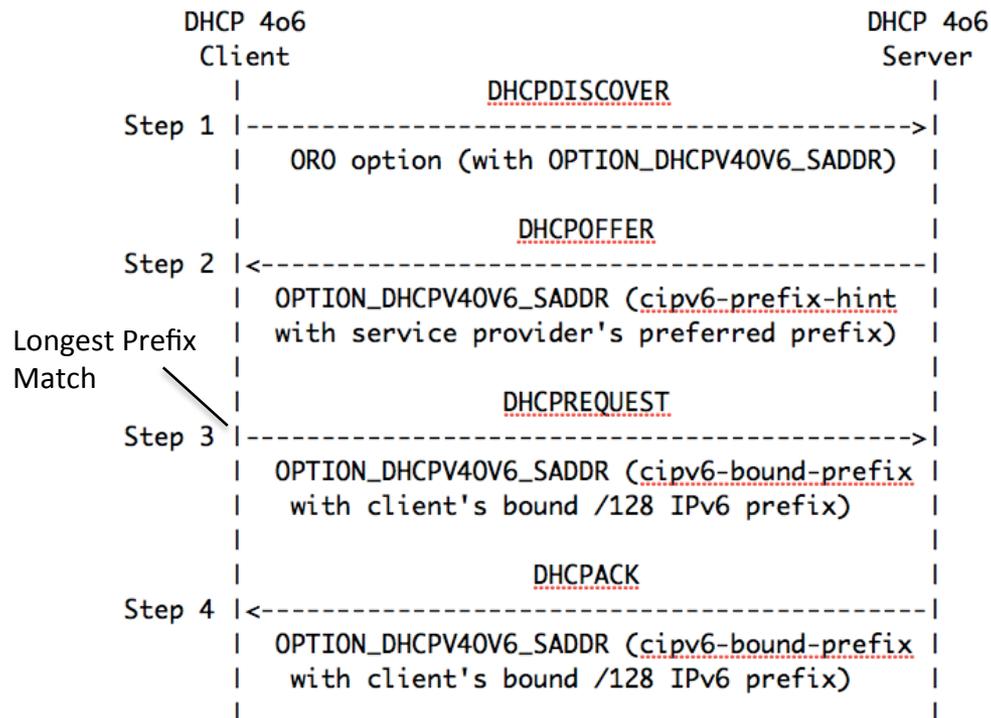


Motivation

- Current 4over6 technologies place limitations on the tunnel endpoint
 - DHCP Server allocates v4/v6 according to the pre-configured v6<->v4+port mapping
 - Tunnels source from a pre-determined v6 prefix
 - Only a single tunnel may be created from a single homenet v6 allocation (e.g. /56)
- Client communicates to the server the /128 v6 addr to which it binds v4
 - Client may have multiple IPv6 prefixes
 - A tunnel can source from any IPv6 prefix
 - Enables Server to hold the accurate and up-to-date v4-v6 binding info

Source Address Option Usage

- A DHCPv6 option to signal client's binding v6 address (/128) to the server
- MUST used alongside the DHCPv4 address allocation procedure
- A two-way communication process



Next step

- Adopt it as a WG item?