

DHCPv6 Relay Agent Assignment Notification (RAAN) option

Ralph Droms

Problem Statement (Review)

- Home gateway (HGW) is delegated a prefix by DHCPv6 server with SP edge router (ER) acting as relay agent
- How does ER learn of delegated prefix?
 - ER must know which outgoing traffic to allow from subscriber and which incoming traffic to route to subscriber
 - Route needs to be injected into SP's network
 - Packets from subscriber need to be source validated
- Review discussion from rtgarea meeting for solution constraints: information source, scale, authority/authentication

Relay Agent Assignment Notification (RAAN) option

- `draft-ietf-dhc-dhcpv6-agentopt-delegate` defines option to be passed between server and relay agent
- Server includes RAAN option in Relay-Reply
- Has been considered by dhc WG; no comment from elsewhere
 - `draft-volz-dhc-dhcpv6-srsn-option` addresses consistency of delivery issues
 - Other solutions (DHCP, non-DHCP) more viable?

Q&A

- Technical issues?
- Progress this document in the WG?