DHCPv6 Redundancy Deployment Considerations

IETF76

Background

- Some IPv6 deployments leverage/require DHCPv6

- Use of DHCPv6 in a production scenario require some level of redundancy
  - No redundancy is/was not an option

- No standardized approach currently available to provide redundant DHCPv6

Goals

- Document different configuration based approaches that can be used to provide (semi-) redundant DHCPv6 services

- Enumerate limitations across all approaches
  - Prefix delegation presents one of the greatest across all approaches

- Offer best practice alternatives for other adopters requiring DHCPv6

- Illustrate requirement for standardized DHCPv6 redundancy protocol

Next steps

- Accept as a WG document?
- Solicit interest and form a team to scope and define a standardized protocol for DHCPv6 redundancy?