

Prefix Delegation Discussion

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Need for Solution

- Prefix Delegation is urgent for deployment
 - No real contention on this point
- A single, standard mechanism would be valuable
 - No incompatibility between routers and ISP-provided services
 - Don't need to implement multiple mechanisms
- But, can we agree to a single solution quickly?

Seven Options from Minneapolis

- Router Renumbering
- DHCPv6 option
- DHCPv6 subset
- PPP extension
- normal RAs on access link
- ICMPv6 [Haberman/Martin APD proposal]
- RA extension [Lutchansky proposal]

Where do we go from here?

- Continue work on requirements?
 - Constrain to needs for short term solution?
 - OR define requirements for full solution?
- Can we narrow the list of candidates?
 - Current discussion seems to center on two proposals: RA Proxies and DHCPv6 option
 - Are there others that we should consider?

Where do we go from here?

- How can we move forward?
 - Requirements driven process?
 - OR Solutions driven process?

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