DHCPv6 Prefix Delegation for NEMO

draft-ietf-nemo-dhcpv6-pd-01

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Background

• Draft specifies use of DHCPv6 PD for assigning prefix in mobile network

• Assumes:
  – DHCPv6 service in home network
  – MR is DHCPv6 client
  – DHCPv6 PD unchanged from RFC 3633
DHCPv6 PD and Relay Agents

• RFC 3633 does not define use of DHCPv6 PD through a relay agent
  – DHCPv6 messages can be forwarded
  – How does relay agent install routes?
• Nemo needs relay agent function; e.g., for centralized DHCPv6 PD service through multiple HAs
• dhc WG is addressing issue (for DOCSIS 3.0)
• DHCPv6 PD in mobile network scenario can use dhc WG solution or MR registration
Choosing an HA

• MR may have several HAs to choose from
• Only some may provide DHCPv6 service
• Proposed solution: add bits to DHAAD to request and advertise DHCPv6 service
Changes to Rev -01

• Dropped specification for delegating access prefixes
• Added text specifying use of dhc WG route injection or MR registration solution for DHCPv6 PD relay agents
• Added text proposing bits for requesting and advertising DHCPv6 service
• Added rapid commit and described use of DHCPv6 or other configuration in parallel with PD
Question?

- Ready for WG last call?