Rebind Capability in DHCPv6
Reconfigure Msgs
draft-ietf-dhc-dhcpv6-reconfigure-rebind-03
Ralph Droms
dhc WG meeting
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Problem Statement

• DHCPv6 Reconfigure message only allows selection of Renew or Information-request message
• This draft proposes extending list to include Rebind
• Customers: CableLabs DOCSIS
Changes in -03

• Text almost completely rewritten to address last call comments:
  www1.ietf.org/mail-archive/web/dhcwg/current/msg07001.html
  – Adds Rebind to list of acceptable messages in Reconfigure message
  – More completely specifies server and client behavior with updates to RFC 3315 text

• Specifies client sends Renew to “most recent” server, regardless of source of Reconfigure
Open Questions

• See:
  www1.ietf.org/mail-archive/web/dhcwg/current/msg07059.html
  www1.ietf.org/mail-archive/web/dhcwg/current/msg07060.html

• When should a client send a Reconfigure Accept (and the server respond with Reconfigure Accept)? RFC 3315 only mentions this for the Solicit/Advertise and Request/Reply exchanges, but not for a Renew or Rebind. Should Reconfigure Accept be prohibited on a Renew/Rebind? Is it optional?

• The text in RFC 3315 isn't clear about when the server sends a Reconfigure Accept. Proposed update:
  The server includes a Reconfigure Accept option if the server wants to require that the client accept Reconfigure messages, after the client sends a Reconfigure Accept option in a Request.