

# 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/dhccwg/current/msg07001.html](http://www1.ietf.org/mail-archive/web/dhccwg/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](http://www1.ietf.org/mail-archive/web/dhcwg/current/msg07059.html)
  - [www1.ietf.org/mail-archive/web/dhcwg/current/msg07060.html](http://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.