

# draft-ietf-dhc-dhcpv6-stateful- issues

IETF 87 DHC WG

Berlin, Germany

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# ‘Recent’ Activity

- WG LC issues in December/January 2013
  - Several issues raised
  - Some addressed in 04 (published May 2013)
  - Some still outstanding
    - Rebind issue (sent to ML but no feedback)
    - Karl Auer raised Rebind issue on ipv6 mailing list (6/26)
    - A few others (mostly just digging through the comments and trying to resolve them)

# Rebind Issues

- RFC 3315, 18.2.4. Receipt of Rebind Messages
  - Doesn't mention use of NoBinding Status (as is discussed in 18.1.8. Receipt of Reply Messages)
  - Covers only some cases:
    - IA is found & addresses OK
    - IA is found and addresses not OK (not on link)
    - IA is not found and addresses not OK (not on link)
  - Missing other cases:
    - IA not found & addresses OK
    - Other conflicts than “not on link” (in use by another client/binding or not available)
    - Can new addresses be given? Note Solicit w/Rapid Commit concern (multiple servers responding)

# My Rebind Recommendations

- Keep it simple – use 0 lifetimes for any requested address that is not usable (not on link, in use, etc.)
- Don't allocate new addresses except if Rapid Commit allowed
- Server can assign address(es) if no conflict (client is already using it)
- Assume client will return to Request (or Solicit) if no usable addresses result for binding
- Allow NoBinding status if server wants to use it (forces client back to Request) but no reason to require it
- Server can also elect to send no response if it believes it can not determine on-link status of addresses

# Next Steps

- Comments on Rebind Recommendations
- Resolve other prior comments
- New comments? Please review 04!
- Publish 05 (hopefully by early September)
- Last Call (in September)