

draft-ietf-dhc-dhcpv6-stateful-issues

IETF 91 DHC WG

Honolulu

Thursday, November 13, 2014

Credits

- Many thanks to Jinmei Tatuya for his thorough reviews and interest in this work!
- Thanks to everyone else who reviewed the draft recently:
 - Fred Templin
 - Andrew Yourtchenko

Recent Activity

- Version -07 Published (October 2nd)
 - “Title” changed
 - “issues” => “issues and recommendations”
 - “Introduction”
 - Clarified the scope of the draft: IA_NA + IA_PD
 - Server **MUST** (not **SHOULD**) set T1/T2 times to the same value
 - Removed “unified” text for the Renew/Rebind
 - Focus on IA_NA + IA_PD coexistence
 - Generalized text for any type of IA to be covered in RFC3315bis
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Recent Activity

- Version -07 Published (Cont'd)
 - “Renew and Rebind”
 - Server returns “NoAddrsAvail” or “NoPrefixAvail” for Renew/Rebind when it can't allocate new bindings
 - Updates to section 18.1.8. “Receipt of Reply Messages”
 - “NoAddrsAvail” and “NoPrefixAvail” may be returned for Renew/Rebind
 - Avoid Renew/Rebind storm when IA is not in the “Reply” message
 - “Confirm”
 - Client SHOULD (relaxed from MUST) initiate Confirm when it have moved to a new link

Recent Activity

- Version -08 Published (October 22nd)
 - 1. “Introduction”
 - Further clarified the scope of the draft: IA_NA+IA_PD
 - Explicitly excluded IA_TA
 - 3. “Terminology”
 - Removed “Resource” and clarified that “IA” means “IA_NA” or “IA_PD”.
 - 4. “Handling of Multiple IA Option Types”
 - Moved the text about motivation to keep single DHCP session from 1. “Introduction”

Recent Activity

- Version -08 Published (Cont'd)
 - 4.3. “T1/T2 Times”
 - New text about the client behavior when the server sends different T1/T2 times for different IAs.
 - 4.4.5. “Updates to Section 18.1.8. of RFC3315”
 - Fixes for some errors introduced with -07 publication

In scope for RFC3315bis

- #122 – The wording about avoiding the storm SHOULD/MAY be more specific
- #123 – Clarify NotOnLink handling (18.1.8)
- #124 – Drop IA_TA?
- #126 – What the client should do with existing bindings when it restarts the server discovery

See: <http://trac.tools.ietf.org/group/dhcpv6bis/>

Outstanding issues (Fred Templin)

- 4.4.8 “Updates to RFC3633”
 - Replace “delegating router MAY assign prefixes” with “delegating router SHOULD assign prefixes”.
- Minor editorial changes
 - “Abstract”
 - “Introduction”

Next Steps

- Publish -09
 - To resolve issues raised by Fred Templin
 - Please review -08 and -09 when published!
- Start WG last call after -09 published?
- Reminder – This work is important for 3315bis work!

Reviewers

IETF-90 Volunteer Reviewers:

- ✓ Fred Templin
- ✓ Andrew Yourtchenko
- × Leaf Yeh
- × Francis Dupont
- × Jason Weil
- × Ian Farrer
- × Qi Sun
- × Cong Liu

IETF-91 Volunteer Reviewers:

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