



IETF-101 (London)

DHC WG Meeting

Monday, 19 March 2018

17:40 – 18:40 (GMT)

Viscount

Last Edit: 2018-03-19 15:05 GMT (TM)

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)

Before we begin ...

- Hope you noted the Note Well
- Blue sheets
- Need Jabber scribe(s)!
- Need etherpad note takers

- WG co-chairs:
 - Tomek Mrugalski
 - Bernie Volz

Agenda

No.	Title	Who	Time	Draft(s)
1.	Administrativa	Chairs	10m	
2.	DHCPv4 over DHCPv6 Source Address Option	Linhui Sun	10m	draft-ietf-dhc-dhcp4o6-saddr-opt
3.	DHCPv6 Yang Model	Zihao He	15m	draft-ietf-dhc-dhcpv6-yang
4.	Link Layer Addresses Assignment Mechanism for DHCPv6	Tomek Mrugalski & Bernie Volz	15m	draft-bvtm-dhc-mac-assign

Re-charter Approved (3/9/18)

- Updated charter at <https://datatracker.ietf.org/doc/charter-ietf-dhc/>
- Milestones:
 - Mar 2018 - WGLC draft-ietf-dhc-dhcp4o6-saddr-opt
 - Mar 2018 - WGLC draft-ietf-dhc-dhcpv4-forcerenew-extensions
 - Mar 2018 - WGLC draft-ietf-dhc-dhcpv6-lwm2m-bootstrap-options
 - Aug 2018 - WGLC draft-ietf-dhc-dhcpv6-yang
 - Mar 2019 - Advance 3315bis RFC to Internet Standard

draft-ietf-dhc-rfc3315bis

- Directorate reviews and IESG had about 140 comments
- Updated to address most comments:
 - Lots of minor nits (typos, wording, references, ...)
 - HOP_COUNT_LIMIT reduced from 32 to 8
 - IANA actions (cleanup registries related to DHCP)
 - Improved terminology and consistency of use
- Email sent to reviewers and DHC WG
 - Thanks to Tim Winters for review & support
 - Lack of comments implies agreement with changes?
 - Need more comments? Suresh?
- Want to get it to RFC-Editor

WG Document Status

- One RFC Published:
 - RFC 8357, Generalized UDP Source Port for DHCP Relay
- One RFC in Approved-announcement to be sent::Point Raised
 - draft-ietf-dhc-rfc3315bis – Dynamic Host Configuration Protocol for IPv6 (DHCPv6) bis
- Two WG Drafts Currently Active (both on agenda)
 - draft-ietf-dhc-dhcp4o6-saddr-opt-01, DHCPv4 over DHCPv6 Source Address Option
 - draft-ietf-dhc-dhcpv6-yang – YANG Data Model for DHCPv6 Configuration
- One WG Draft Recently Expired (not on agenda)
 - draft-ietf-dhc-dhcpv6-lwm2m-bootstrap-options, DHCPv6 Options for LWM2M bootstrap information ([author employment changed, may revisit in future](#))
- Three Related Drafts (one on agenda)
 - draft-bvtm-dhc-mac-assign, Link-Layer Addresses Assignment Mechanism for DHCPv6 [on agenda]
 - draft-nalluri-dhc-dhcpv6-mqtt-config-options, DHCPv6 options for MQTT client configuration
 - draft-zhang-dhc-dhcpv6-failure-detection, Detection of Primary Server Failure in DHCPv6 Failover

IETF Hackathon update (1)



IETF Hackathon update (2)

1. YANG/NETCONF implementation

- draft-ietf-dhc-dhcp6-yang-06
- Extracted the model from I-D, installed sysrepo project, loaded the model, loaded configuration, implemented *a prototype* of Kea daemon that extracts the information via netconf interface
- Several non-blocking issues found in the model, reported here: <https://github.com/dhcwg/yang/issues>
- The kea-netconf code: <http://github.com/isc-projects/kea-yang>
- Participants: Razvan Becheriu, Andrei Pavel, Francis Dupont, Tomek Mrugalski

2. Minimalistic draft-ietf-dhcp-rfc3315bis client for RIOT OS

- First new implementation (from scratch) of 3315bis
- Took a day and a half to go through the SARR exchange
- RIOT is an OS for constrained embedded devices (binary around 10KB)
- Code: <https://github.com/RIOT-OS/RIOT/pull/8796>
- Participants: Martine Lenders