

# IETF-98 (Chicago) DHC WG Meeting

Thursday, March 30, 2017

17:40-18:40 CDT

Montreux 3

Last Edit: 2017-03-27 13:00 CDT (BV)

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**I E T F**

# 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
- WG Secretary:
  - Vacant

# DHC is in March 2017 IETF Journal

IETF 97

IETF JOURNAL • MARCH 2017 • VOLUME 12, ISSUE 3

## WORKING GROUP UPDATE: DYNAMIC HOST CONFIGURATION

*By Tomek Mrugalski and Bernie Volz*

IT IS COMMON KNOWLEDGE AMONG SEASONED IETFERS THAT THE DYNAMIC Host Configuration (DHC) Working Group (WG) is old. But identifying exactly how old has proven to be a challenge. According to WG archives, its first email was posted<sup>1</sup> on 12 July 2001. But that can't be the right date, as its first Request for Comments (RFC) is RFC 1531 from October 1993. Datatracker history for DHC<sup>2</sup> provides some clues, but the data appears incomplete: milestone updates go back to 2003, followed by a 13-year gap and two entries indicating that the WG was proposed and formed on 1 January 1991. If this is correct, it gives the WG an impressive 26 years of age—at least as old as the Web, whose creation is typically cited as either January (first public server available) or August (Sir Tim Berners-Lee announces the project to alt.hypertext newsgroup) 1991. However, there exists yet another clue that DHC is even older: the Active Working Group list on the IETF website<sup>3</sup>. While the page itself is a bit basic, the dates next to each WG name look like creation dates. And this page lists DHC's creation as "1989-Apr-13"<sup>4</sup>—almost 28 years ago.

So what has the DHC WG been doing all

phone still a host?), the perceptions of trust have changed (do you trust the hotspot in the coffee shop you visit to be legitimate?), and so have our expectations (wait a whole second when logging into a network?).

The DHC WG is addressing some of these changing conditions via an initiative to republish the DHCPv6 specification. Today, this initiative represents the WG's primary focus. A design team formed in 2013 took the original RFC (fun fact: it was in nroff format); cleaned it up; took all the erratas, corrections, and changes that had been introduced (e.g., RFC 7550, which improved several stateful issues); and published updated versions<sup>4</sup>. The work is organized around a dedicated issue tracker<sup>5</sup>. The document went through a very successful WG Last Call (WGLC) in 2016, in which nearly 300 independent comments were

# Agenda

No.	Title	Who	Time	Draft(s)
1.	Administrativa	Chairs	5m	
2.	Discussion of Secure DHCPv6 and RAAN	Chairs	10m	draft-ietf-dhc-sedhcpv6 draft-ietf-dhc-dhcpv6-agentopt-delegate
3.	DHCP option for NSH in SFP	Venkata Subba Rao Gorrepti	10m	draft-ypal-sfc-dhcp-option-for-nsh-for-sfp
4.	YANG Data Model for DHCP v4	Gang Yan	10m	draft-liu-dhc-dhcp-yang-model
5.	Multi-requirement Extensions for DHCPv6	Lin He	10m	draft-ren-dhc-mredhcpv6-00

# draft-ietf-dhc-rfc3315bis Update

- WGLC done late summer 2016, generated ~270 issues
- 07 published 12 March 2017
  - Addresses all but about a dozen issues
  - We have one new issue – clarify messages a Relay must forward as draft-ietf-dhc-dhcpv6-failover-protocol added messages which MUST NOT be forwarded
- Will publish 08 and initiate WGLC to confirm issues acceptably addressed
  - Expect 08 mid April 2017
  - WGLC will be started (after draft-ietf-dhc-relay-port)
- Please review to see if your comments are acceptably addressed NOW so we can incorporate any corrections in 08 before WGLC