

IETF Hackathon - NTP

IETF 115

5-6 November 2022

London

Hackathon Plan

- NTPv5 Draft: draft-mlichvar-ntp-ntp5-05
- Focus on (experimental) interoperable implementations
- Figuring out technical issues in the draft

What got done

- Got two experimental implementations:
 - Miroslav's ntp5-exp (<https://github.com/mlchvar/ntp5-exp>)
 - NTPD-rs ntpv5 branch (<https://github.com/memorysafety/ntpd-rs/tree/ntp5>)
- Verified compatibility
- Specified and implemented draft identification
- Identified a few minor issues in NTPD-rs implementation
- Discussions on timescales and leap seconds

What we learned

- Timescale offsets, especially for UT1, will need some rethinking.
- Identified need for KoD-type mechanism in NTPv5

Wrap up

Team members:

- K. O'Donoghue
- D. Sibold
- M. Lichvar
- C. Weinigel
- D. Venhoek

links:

- <https://datatracker.ietf.org/doc/draft-mlichvar-ntp-ntpv5/>
- <https://github.com/mlichvar/ntp5-exp>
- <https://github.com/memorysafety/ntpd-rs/tree/ntpv5>