IETF Hackathon

IETF 114
23-24 July 2022
Philadelphia, Pennsylvania

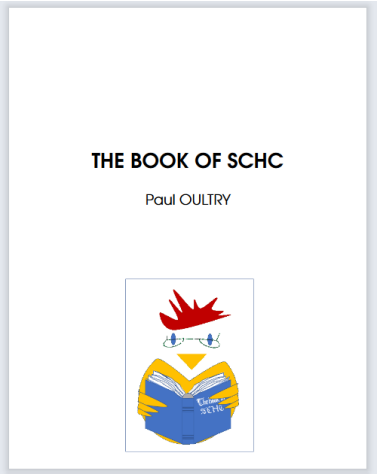
Hackathon Plan

- improve our SCHC open source code
  - https://github.com/openschc/openschc

- LPWAN WG
  - RFC8724, RFC8824
  - draft-ietf-lpwan-schc-yang-data-model
  - draft-barthel-lpwan-oam-schc

What got done

- SCHC YANG datamodel bug fix
  - integrated into openSCHC and validated
- Functional tests and bug fixes
  - CoAP compression and decompression
  - Debugging on MacOS platform
- Extensive rewriting of the openSCHC user manual
  - to be used as material for SCHC tutorials
  - https://book.openschc.net



Outcome

- easier access to SCHC technology
  - open source code
  - user manual

- LoRa Alliance has committed to use openSCHC for IPv6_over_LoRaWAN device certification

Wrap Up

Team members:

- Laurent Toutain
- Ivan Martinez
- Sandoche Balakrichenan
- Dominique Barthel