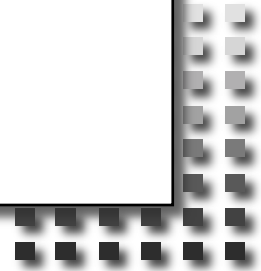# IETF Hackathon
LPWAN project

IETF 108
July 20-24, 2020
Online

I E T F

Hackathon Plan

- Advance our open source implementation of SCHC (Static Context Header Compression and fragmentation)

  - SCHC standardized in RFC8724 (Apr 2020)
  - Code repo github.com/openschc
  - Integrate pending Pull Request, cleanup, documentation

- Develop infrastructure for interop testing with other implementations

What got done

- Doc cleanup nearly done
  - https://openschc.github.io/openschc
- Code cleanup done
  - github.com/openschc
- Worked on physical interfacecs to physical networks
  - MQTT connector to TTN (The Things Network, a public world-wide LoRaWAN network)
  - Connector to an open source LoRaWAN network server (chirpstack.io)
- Public SCHC test server was setup
  - tests.openschc.net
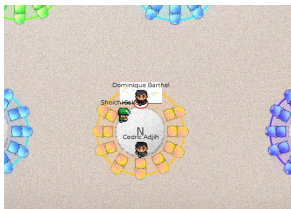 - Uncovered issue not encountered with localhost tests

What we learned

- Gather.town worked great!
  - It provided feel of working side-by-side
  - We could step aside for private discussions, as in physical meeting
  - We missed the stretches to the buffet and restrooms as an opportunity to meet members of other (related) projects

Wrap Up

Team members:

- Cédric Adjih (France)
- Dominique Barthel (France)
- Olivier Gimenez (France)
- Shoichi Sakane (Japan)
- Laurent Toutain (France)

openschc.net