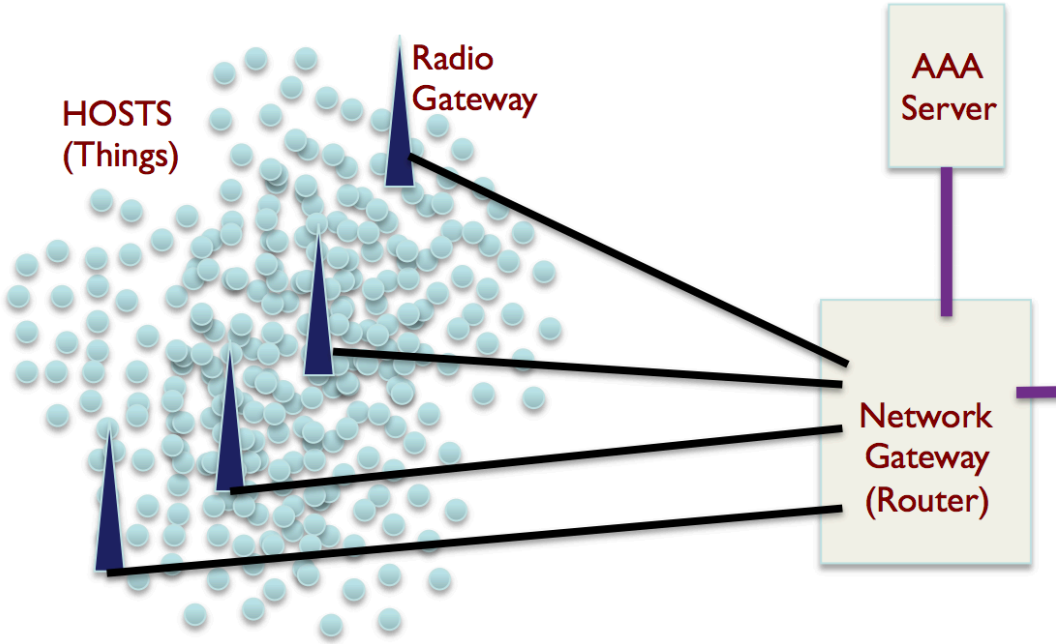
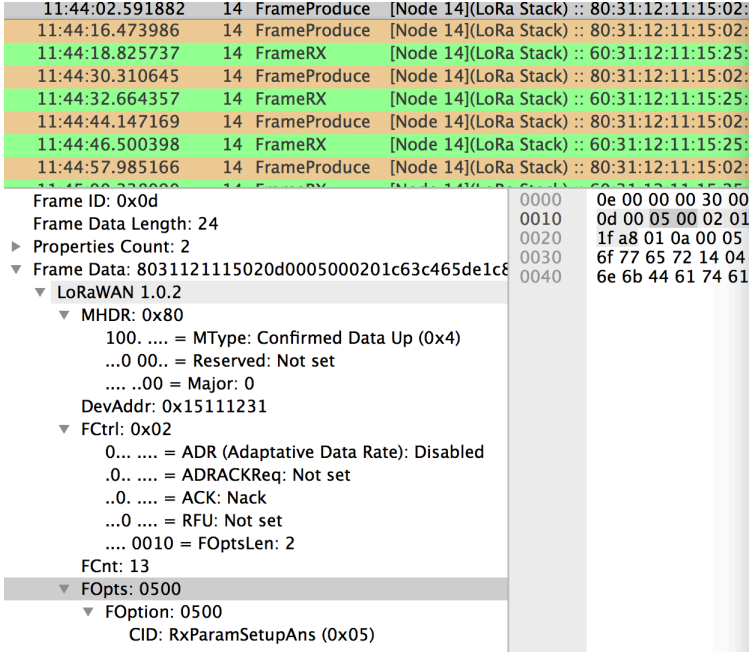
LoRaWAN Wireshark dissector

- LoRaWAN is one link technology of interest to LPWAN WG
- We want to
  - check live LoRaWAN traffic
  - dissect encapsulated protocols



What we achieved

- Source code available at https://github.com/ltn22/LoRaWAN-Wireshark-Dissector
- Team of 5, two Master's students (first-time IETFers)
- Traces captured remotely at Grenoble, France
- Able to dissect all LoRaWAN frame headers, MAC commands codes



What's next

- Dissection of the full LoRaWAN MAC command parameters
- MIC validation and payload decryption of LoRaWAN frames
  - Best way to convey the session keys to the dissector?
  - Expert advice appreciated
- Write dissector for Static Context Header Compression
  - draft-ietf-lpwan-ipv6-static-context-hc
  - By IETF99 at Prague, be able to dissect the full IPv6/LoRaWAN stack being worked on at the LPWAN Working Group
  - Contributions appreciated
  - We intend to bring a live LoRaWAN network to Prague

Thank you!