Summary Hackathon

Tengfei Chang
Admin

- On Sunday 16 July (14-15 was plugtests)
- ~same participants as during the plugtests
  - Champion(s)
    - Tengfei Chang
    - Peter Kietzmann
    - Remy Leone
    - Jonathan Munoz
    - Malisa Vucinic
    - Xavi Vilajosana
    - Thomas Watteyne
  - Project(s)
    - RIOT support
    - F-Interop
    - 6TiSCH Wireshark Dissector
    - ARMOUR Secure Join
    - 6LoWPAN fragmentation
Outcome

- Integration of OpenWSN stack in RIOT
  - Adaptation of RIOT hardware driver code
  - Creating OpenWSN stack package used for integrating with RIOT
  - → 6TiSCH is now supported in all major open-source implementations!
- F-interop platform progress
  - updating the bootstrap of test session: flashing hardware, control remotely testing devices.
- Join Security
  - refactoring JRC code
  - generate network keys at random each time OpenVisualizer is initialized
  - → full 6TiSCH solution, including secure bootstrap, in OpenWSN!
- OpenWSN
  - housekeeping: fixing and cleanup of all OpenMote and TelosB projects
  - design of commissioning (“1-touch security”) through `nvpam` module
  - added PIO and Configuration Option in RPL DIO (RFC6550)
  - → full OpenWSN/Contiki interop!