Summary Hackathon

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Admin

- On Sunday 16 July (14-15 was plugtests)
- ~same participants as during the plugtests
- Goals/scope (https://www.ietf.org/registration/MeetingWiki/wiki/99hackathon)
    - 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 nvparam module
  - added PIO and Configuration Option in RPL DIO (RFC6550)
  - **→ full OpenWSN/Contiki interop!**