

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!**