



IETF Hackathon

SUIT July Hackathon & IETF 108

July 13, 20-24, 2020

Online



I E T F

Hackathon Plan

- SUIT manifest generator / examples
 - draft-ietf-suit-manifest-09
 - Add dependency example
 - Optimize multiple component example
 - Add payload encryption example
- Update SUIT manifest generator with additional features
- Update RIOT parser for draft-ietf-suit-manifest-07
- Add support for HSS-LMS to SUIT parser
- Add support for HSS-LMS to suit-manifest-generator
- Add support for suit manifest to MCUBoot
- Create a SUIT + TEEP implementation

What got done

- Dependency support, example added
 - <https://github.com/ARMmbed/suit-manifest-generator>
- Multiple Component optimization
 - Partially complete. More work needed.
- Partial multiple component handling
 - New way of targeting multiple components discussed
- Updated RIOT parser to manifest-07 (Koen Zandberg)
- Working SUIT+TEEP implementation (Yuichi Takita)

What we learned

- Multiple component handling needs an additional feature
 - draft-ietf-suit-manifest-09 lacks a way to target some but not all components
 - Proposed implementation to take to SUIT WG
- Need Dependency example