IETF Hackathon

SUIT July Hackathon & IETF 108
July 13, 20-24, 2020
Online
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