SUIT Hackathon Team!

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SUIT = Software updates for IoT

- Architecture & metadata for IoT firmware updates
  - also on small microcontrollers!
- @Hackathon: hands-on work with latest metadata draft
  - cbor manifest format
  - draft-moran-suit-manifest-04
What happened at the Hackathon?

- **manifest generators!**
  - 2 independent implementations (ARM, Renesas)

- **manifest parsers!**
  - 3 independent implementations (Inria/FUB, ARM, Renesas)
    - 2 of which running on small micro-controllers

- **interoperability!**
  - manifest generator (ARM) <=> parsers from Inria/FUB & Renesas

- **end-to-end workflow demo!**
  - (experimental) open source implementation based on RIOT
What did we learn?

- The spec should define only one way to do things
- IETF hackathon = fun + useful venue!
More info?

Etherpad from Hackathon:
https://etherpad.net/p/ietf104-suit-hackathon

Manifest draft used at the Hackathon:

IETF SUIT Working Group:
https://datatracker.ietf.org/wg/suit/about/