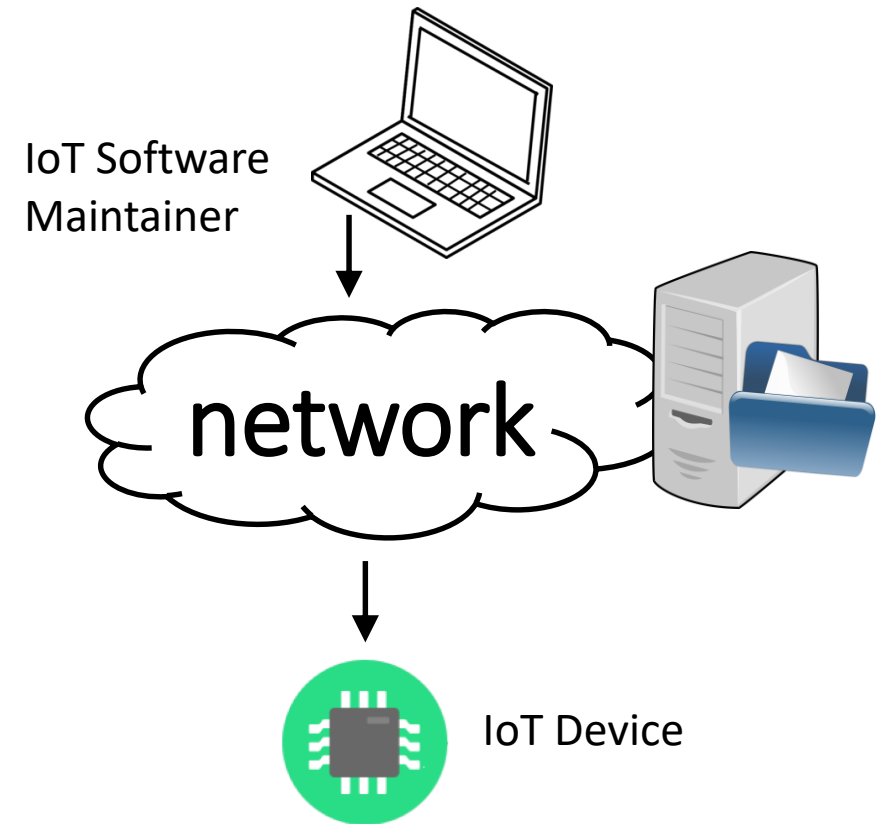


SUIT

IETF 104 Hackathon Report

Software Update for IoT (suit)

- Architecture & metadata for IoT firmware updates (also on small microcontrollers!)
- **Hands-on work on latest metadata draft [draft-moran-suit-manifest-04](#)**



SUIT Hackathon Team!

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What happened at the Hackathon?

- **Manifest generators!**

- 2 independent implementations (ARM, Renesas)

- **Manifest parsers!**

- 3 independent implementations (Inria, ARM, Renesas)
 - 2 of which running on micro-controllers

- **Interoperability!**

- Manifest generator (ARM) \Leftrightarrow parsers from Inria & Renesas

- **Full workflow demonstrated!**

- Based on RIOT



Microchip SAMR21
Cortex-M0+
32kB RAM, 256kB ROM



Renesas Starter Kit
RX231
64kB RAM



More info?

IETF SUIT Working Group:

<https://datatracker.ietf.org/wg/suit/about/>

Manifest draft used:

<https://tools.ietf.org/html/draft-moran-suit-manifest-04>

Etherpad from Hackathon:

<https://etherpad.net/P/ietf104-suit-hackathon>