RIOT Implementation of SUIT: Starting Point

- Implementation available in Master branch at
  [github.com/RIOT-OS/RIOT/tree/master/examples/suit_update](https://github.com/RIOT-OS/RIOT/tree/master/examples/suit_update)
  - compliant with [draft-ietf-suit-manifest-00](https://datatracker.ietf.org/doc/html/draft-ietf-suit-manifest-00)
  - full workflow:
    1. new image/manifest generation + upload to repo
    2. transfer over CoAP,
    3. verification on IoT device running RIOT,
    4. install & boot update

(Useful: a VM for newbies
RIOT Implementation of SUIT: Hackathon Work

Hands-on with latest draft
draft-ietf-suit-manifest-03

✔ Done: manifest-03 generator integrated in RIOT build system
✔ Refactored code + added unit tests (=> improved maintainability)
✔ On-going: updating manifest parser to support manifest-03

Maintainer

Repo

network

Nordic nrf52840dk (Board running RIOT)
What did we learn?

➔ Detected some glitches in the manifest generator (Brendan was informed and fixed them ;)

➔ Structure of the manifest is hard to grasp (Add some graphical representation?)