IETF Hackathon
EAT/RATS

IETF 109
November 9-13, 2020
Online

Hackathon Plan

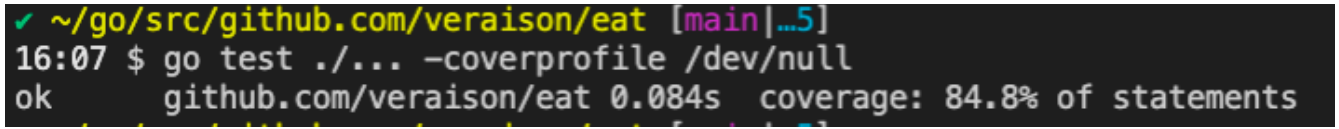
- Target: Implementing EAT (*) – Entity Attestation Token
  - Check the state of the spec:
    - Is it implementable as-is?
    - What is missing?
    - What needs fixing?

- Attack strategy: 50/50 split by “attestation claim” between Sergei and I: code, test, review, merge, go again

(*) https://tools.ietf.org/html/draft-ietf-rats-eat

What got done

- Full implementation of the draft (17 PRs, ~2.4KLOC, 52 tests)
  - https://github.com/veraison/eat
- Design discussion around the API ergonomics for dealing with “EAT profiles” (e.g. PSA), see:
  - https://github.com/veraison/eat/issues/16
- No interop, the only other implementation we know of was not around this time
- Demo:



What we learned

- The draft is actually implementable without too much pain
- We provided feed back to the draft authors and the wider RATS WG audience:
  - https://mailarchive.ietf.org/arch/msg/rats/AhxQOzIIq3foAWpvcC0EgtC3AGI/

Wrap Up

Team members:

Sergei Trofimov

Thomas Fossati

First timers @ IETF/Hackathon:

Sergei Trofimov

https://github.com/veraison