

#### **IETF Hackathon**

IETF 116 Hackathon March 25-26, 2023 Yokohama, Japan



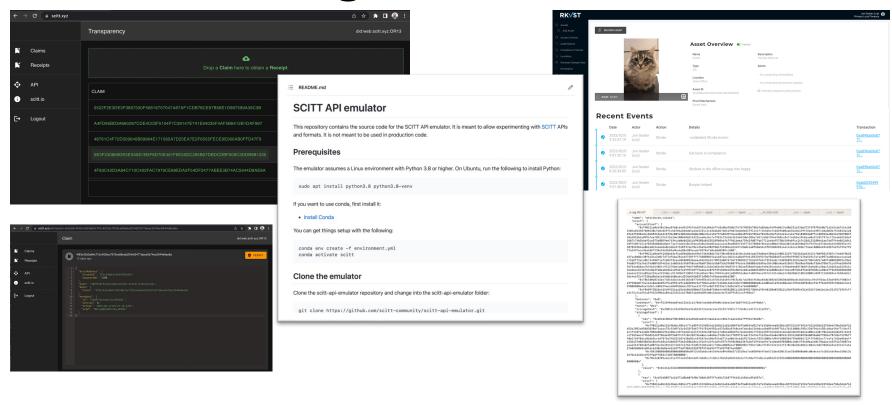
#### Hackathon Plan

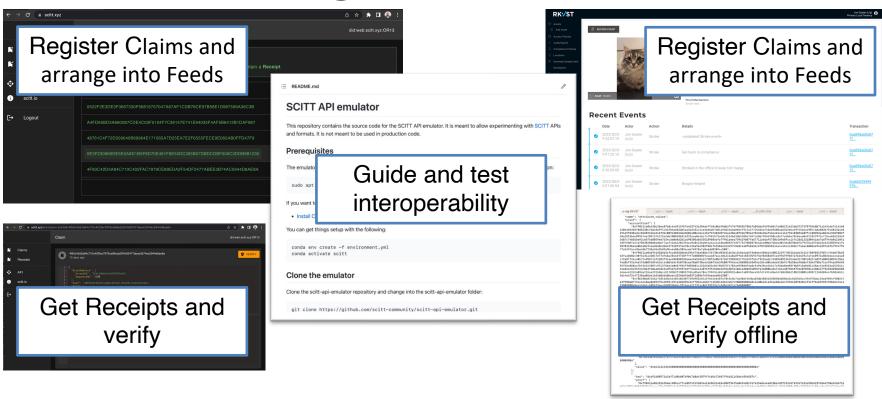
- Spec hacking: SCITT Architecture
- Code hacking: test the current state of the architecture with real-world implementations

#### What got done – architecture doc

- What was achieved?
  - Lots of new issues raised!
  - Lots of new common understanding reached
  - Some complex areas becoming clearer:
    - Organization of the Work Group deliverables
    - Registration policy transparency
    - Fine details of structures (what goes where)

- 2.5 implementations proving out the current state of arch
  - Testing practicality of interface flows
  - Testing practicality of data structures
  - Testing interoperability of interface and data structures
    - BUT NOT PAYLOAD INTEROPERABILITY!





- 2.5 implementations proving out the current state of arch
  - Broadly demonstrated practicality of interface flows
    - Statement → Claim → Receipt → Offline Verify
  - Broadly demonstrated practicality of data structures
    - OIDC→ COSE claims → CBOR receipts
    - COSE is great for expressing and serializing the structures, but was a bit awkward for passing across application boundaries
  - Broadly demonstrated interoperability of interface and data structures
    - Single reference client implementation worked with both (and itself!)
    - Transmute and RKVST implementations structurally very similar

#### What we learned

- Identity continues to be a hot issue
- Access Control is trickier than we imagined
  - Particularly as it's 2-way
- Words matter!
- We're on a good track :-)

## Wrap Up

#### Team members:

- Kay Williams
- Henk Birkholtz
- Orie Steele
- Roy Williamson
- Cédric Fournet
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- Maik Riechert
- Mike Procock
- Steve Lasker

It's early days!

Please review and support