Use cases for RATS WG for IETF105, Montreal. July 24, 2019

draft-richardson-rats-usecases-03

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The next twenty minutes (or so)

- How we got here
- Where we are
- Where is it going?
- Discussion
- An end goal vision
History of Document

Initial -00 (minutes before deadline)
-01 posted this week
-03 posted just before virtual interim
-04 posted on Tuesday
personal submission

Intended status:

*not published as RFC!!!*
for WG internal use

Maybe: publish as appendix of some TBD document.

Looking for new additions.
I prefer to talk to you (voice, in person) and paraphrase
rather than read your confidential document.

ALMOST 100% certain I got at least three things completely backwards
The document so far

- ~13 use cases
- ~4 categories
  - Device Capabilities/Firmware
  - Cryptographic Key
  - Geographic
  - Connectivity

- A survey of identified users
  - Trusted Computing Group
  - FIDO (Fast IDentity Online)
  - Android Keystore

- Examples from existing systems
  - Android Keystore
  - Windows 10 TPM
  - Yubikey

Do we want examples? Do we want So many details?
Where is it going?

- Add new ideas/claims
  - Dr. Ian Oliver has three:
    - Supply Chain,
    - Dynamic Systems
    - Data (Calibration?)
- I will be quite liberal in what is accepted. I prefer to
  - take text/ideas
  - get agreement that it accurately describes situation
  - Then.. argue about whether or not it is unique

- Sort ideas by different dimensions
  - Jessica Fitzgerald-McKay has proposed
    - Information that is being attested to
    - Geographic
    - connectivity
  - Other dimensions welcome!
- Categories are useful as primary keys for designing solutions, but this is not an ontology.
  - Remember the platypus!

Discussion
Final vision for document

- Use case name: Twelve Monkeys
- Who will use it: Army of the Twelve Monkeys SDO
- Attesting Party: James Cole
- Relying Party: Dr. Kathryn Reilly
- Description: James Cole must convince Dr. Reilly he is from the future, and not insane.
- Claims used:
  - OEM Identity
  - Age Claim
  - Location Claim
  - Uptime Claim