RATS Architecture Design Team Status and Walkthrough

WHO:
- Henk Birholz(*)
- Thomas Fossati
- Yogesh Deshpande
- Andrew Guinn
- Thomas Hardjono
- Sarah C. Helble
- Xinxin Fan IoTeX
- Eliot Lear
- Peter Loscocco
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- Nicolae Paladi
- Wei (William) Pan(*)
- Michael Richardson(*)
- Paul Rowe
- Ned Smith(*)
- Dave Thaler(*)
- Akura Tsukamoto
- Eric Voit
- Monty Wiseman
- Ling (Frank) Xia
- Penglin Yang

WHEN: Tuesdays 10am EST.

four meetings since IETF113

ISSUES: 9 total since IETF113

a few issues open

Pull requests:

12 pull requests

processed AD review comments

now on round two of comments

(*)-listed author

Minor changes since IETF113

- AD review comments
- Beautiful SVG
- Adjustments to terminology

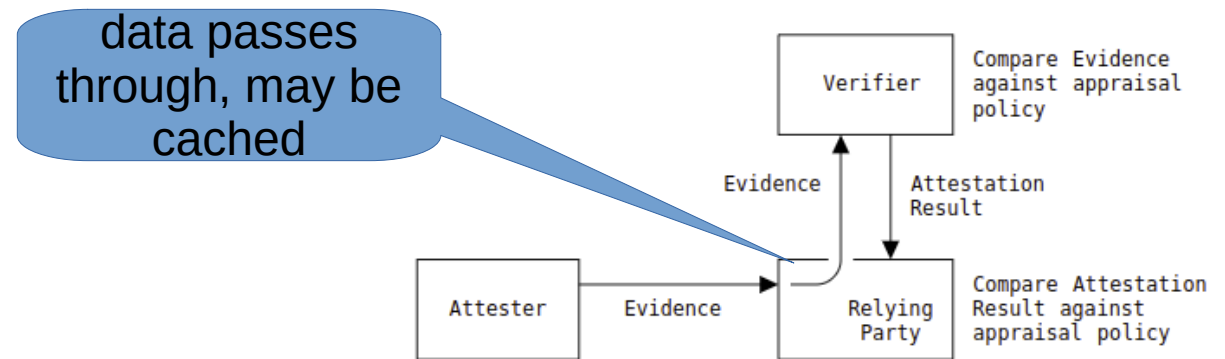- Integrity Protection -> Conceptual Message Protection

AD comments: produce/consume #1

- *The Attester does not consume the Attestation Result, but might cache it.*

- *The Attester can then present the Attestation Result (and possibly additional Claims) to a Relying Party, which then compares this information against its own appraisal policy.*

- *The Attester may also present the same Attestation Result to other Relying Parties.*

data forwarded, may be cached, additional claims possible
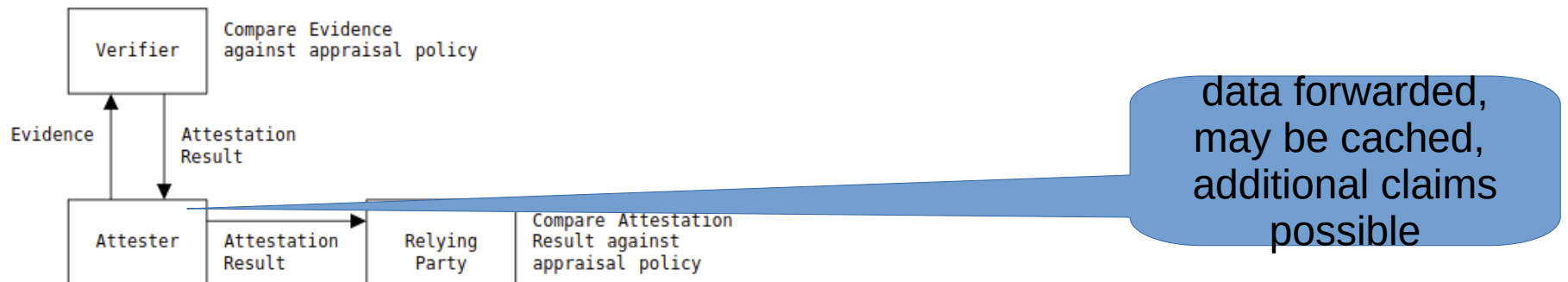
Attestation Results and Evidence are signed, and can not be modified!

AD comments: consume/produce #2

data passes through, may be cached

Verifier — Compare Evidence against appraisal policy

Evidence

Attestation Result

Attester — Evidence — Relying Party — Compare Attestation Result against appraisal policy

- In this model, an Attester conveys Evidence to a Relying Party, which treats it as opaque and simply forwards it on to a Verifier.

- The Verifier compares the Evidence against its appraisal policy, and returns an Attestation Result to the Relying Party.

- The Relying Party then compares the Attestation Result against its own appraisal policy.

- The resource access protocol between the Attester and Relying Party includes Evidence rather than an Attestation Result, but that Evidence is not processed by the Relying Party.

Attestation Results and Evidence are signed, and can not be modified!

Questions
Discussion