Attestation SIG

Annual review 2021-2022

Mission

- The mission of the Project is <u>to develop *working software* aimed at improving *interoperability* between different types of Confidential Computing environments</u>, as well as between Confidential and non-Confidential environments, <u>by focusing on Attestation as an additive improvement to Authentication, Authorization</u>, and other means of access control <u>for workloads of interest to other CCC Member Projects.</u>

- Motivator: Lack of standardised ways to describe, communicate and process workloads' properties in attestation protocols

Scope

- The scope of the Project includes <u>collaborative development under the Project License</u> (Apache 2.0) <u>supporting the mission</u>, including documentation, testing, integration and the creation of other artifacts that aid the development, deployment, operation or adoption of the open-source project.

1. Submission template and/or Charter deltas

Review whether any answers to the project's submission template or [Technical Charter](#) have changed, and if so, review the new answers.

- There have been no changes.

2. Progression status

Review the project's progression status to determine whether the project is in the stage that reflects its needs and goals.

- See next slides.

Activities

- Dissemination of emerging standards
  - EAT
    - Attestation evidence
  - AR4SI
    - Attestation results
    - Presentation
  - CoRIM
    - Endorsements and reference values
    - Presentation

Activities

- Use cases discussion
  - Started around Mike's document
  - A few meetings devoted to progressing it, but didn't manage to wrap up all the good discussions into a deliverable
  - We did an attempt at reorganizing the structure on the fly, but we weren't successful
  - We froze the bi-weekly meetings and had a conversation between co-chairs, and our mentor to see how to move forwards
  - Resulted in a change of approach:
    - Bottom-up, start from existing codebases
    - Bucket use cases by "theme", e.g.: secure channel establishment, message formats, etc.
    - Ask the identified projects to provide an interactive presentation
    - Do a final compare & contrast analysis to
      - try and spot any emerging commonalities that can be factored out using existing standards
      - try to find opportunities for POC that addresses the common needs

Activities

- Continue with the above, and also do POCs

3. Budget allocations

Review any budget allocations relevant to the project, and whether any adjustments are needed.

- No allocated budget.
- We might want to come back and ask, for example if we decide schedule an interop, maybe at some IETF hackathon.

4. License scans

Review license scans provided by the Linux Foundation. Provide feedback on any outstanding issues and evaluate the scanning service from the project's perspective.

- We haven't produced any software deliverables yet. This will become relevant in the near future.

Co-Chairs

- The MSFT chair has been filled by Aeva, then Larry and now Greg.
  - We should make Greg's position official
- All other co-chairs have not changed (except for Shanwei temporarily delegating to Dan)