Focus (a couple of weeks ago)

• Implementation of 3 XMPP clients
  • Orchestrator
  • Endpoint
  • Repository

• Add extensions to perform simple operations between components
  • Orchestrator performs simple query to repository for content
  • Orchestrator instructs endpoint to perform an assessment
Focus (Start of Hackathon)

• Henk brought a colleague, Carl-Heinz Genzel to the Hackathon
• Carl-Heinz brought a java implementation of a MAP client and server, basically a pub/sub broker, which could store CBOR-encoded information, links, and metadata in an object graph
What did we do?

• Introductions

• Overviews
  • We each gave an overview of our projects and discussed how they could be used together

• Decisions
  • We decided on and implemented 2 workflows:
    • A simple XMPP client acting as a MAP client to publish information directly
    • A more complicated pub/sub-based implementation of the orchestration of posture attribute collection and publishing to a repository.
The Easy

- We added a pub/sub (MAP) client to the "Collector" XMPP client in order to publish collection/assessment results to graph data model.
The More Difficult

• We took it a step further and used the Orchestrator to request an Endpoint to perform a collection and publish the collected information to the MAP client
  • We did this with a purely pub/sub approach.
Lessons Learned

• Map server and graph data model is a very promising candidate for repository data
  • Provides links between policy data, collected information, and endpoints.
  • Allows for unlimited amounts of metadata to be added to associations and nodes within the graph

• Current architecture seems more focused on transport than it does on actual interactions, data models, and interoperability between components.
What’s next?

• Continue the progress we’ve made
  • Interim Hackathons
  • Focus efforts on defining interactions and information/data models to inform and refine the draft

• Better preparations and planning for both interim and IETF-hosted hackathons
  • Bill will take the lead on this

• Reviving and revising the information model
  • We need a minimum set of information elements to facilitate the interactions between components.

• **BIG THANKS** to Carl-Heinz for his contributions to the Hackathon