CWE REST API Working Group Meeting – April 21, 2022

1. Call to order
2. Agenda approval
3. Executive staff

* Secretary: Luke
* Vice-chair: Luke

1. Regular order

* <https://github.com/CWE-CAPEC> is used today to store docs for “public” access
* Luke to provide current view of MITRE infrastructure
  + Start with “first principals” e.g., high performance, or interoperability
  + No specs on current CWE/CAPEC database access (counts, etc.)
    - Cashing data might be a way to alleviate bottlenecks
  + STIX 2.1 and TAXII (oasys standards) used for structure of content
    - Common language for sharing CTI information
    - Can express the attack/pattern in STIX
    - May or may not use these standards
  + May need BOTH access library for accessing a fully-downloaded and a “one-off” access mode
    - Library would mate up with downloaded database
    - Could even provide “local” server code with db for “internal” access mode
    - May or may not have internet access, may not be able to provide server function, so may need whole db available locally
    - Swagger (language: [API Documentation & Design Tools for Teams | Swagger](https://swagger.io/)) can be used as a design front-end to the API, code, and docs, and supports port to YML
    - Discussion in meeting about XPATH link to XML
    - Discussion about GraphQL and GraphQL Playground (Charles, Ray)
  + CWE = 11MB database, today; CAPEC is smaller
  + Canned JSON for 3 basic queries COULD be provided by MITRE now to help prototyping tools
* Steve to update on email list reflector

1. Action item review

* For next meeting:
  + Principals for this API
    - Interop discussion
    - Performance
    - Machine readable
    - Etc.
  + Q&A wrap-up
* Adam – look at GitHub for doc storage

1. Adjourn