CWE REST API Working Group Meeting – April 21, 2022

1) Call to order
2) Agenda approval
3) Executive staff
   - Secretary: Luke
   - Vice-chair: Luke
4) Regular order
   - https://github.com/CWE-CAPEC is used today to store docs for "public" access
   - Luke to provide current view of MITRE infrastructure
     o Start with "first principals" e.g., high performance, or interoperability
     o No specs on current CWE/CAPEC database access (counts, etc.)
       ▪ Cashing data might be a way to alleviate bottlenecks
     o 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
     o 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) 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)
     o CWE = 11MB database, today; CAPEC is smaller
     o Canned JSON for 3 basic queries COULD be provided by MITRE now to help prototyping tools
   - Steve to update on email list reflector
5) Action item review
   - For next meeting:
     o Principals for this API
       ▪ Interop discussion
       ▪ Performance
       ▪ Machine readable
       ▪ Etc.
     o Q&A wrap-up
   - Adam – look at GitHub for doc storage
6) Adjourn