CWE REST API Working Group Meeting – June 23, 2022

1) Call to order – recording
2) Agenda approval
3) Minutes approval
4) Regular order
   - Note – email list reflector: cwe-capec-rest-api-working-group-list@mitre.org
   - Note – GitHub: https://github.com/CWE-CAPEC/REST-API-wg
   - Note – CWE data response content: https://cwe.mitre.org/data/xsd/cwe_schema_latest.xsd
   - Note – Swagger: API Documentation & Design Tools for Teams | Swagger
   - Note – GraphQL and GraphQL Playground: https://graphql.org/
   - xhtml as plain text
     o Discussion about "code" or other content beautification features translated from current CWE into "new" JSON reply – an xhtml discussion
     o Do we want to indent the xhtml with extra tab characters?
     o Delete initial white-space
     o There are libraries that read "code" (not sure about Verilog) that could be rendered if required
     o 16-17 different languages in db, now (including "other")
     o Some languages need some indentations (noted was Python, for example)
     o Could supply the html-formatted code or the simplified formatted code
     o Text style hints could be fixed on the MITRE side (that might help a small piece of this)
     o Could use <pre> <code> XML <!CDATA> (take the content as is: no white-space removal, etc.)
     o Continue discussion inside MITRE
   - Review REST response
     o Query for FULL database with REST (CWE or CAPEC), and
       ▪ Developer queries entire database and builds underlying derivatives as needed in the client
     o Query ONE ID in REST and get a full JSON of that ID
       ▪ Simple query which helps develop tooling for more advanced queries if required
   - Provide a list of which fields go with which presentation filter (David R.)
     o "Mapping-Friendly" filter is for folks that have a weakness in mind, and what the CWE that mates up with that weakness
     o Other filters are "Complete", "Basic", and "High-Level"
   - Tool to parse a schema and turn it into an image of classes/sub-classes (Altaz)
     o Developers see things as "classes"
     o https://modeling-languages.com/text-uml-tools-complete-list/
     o "Schema view"
     o Manual conversion/build method for MITRE might "survive" post API development
     o User (client) will do their own methodology for this – can revisit decision in future
5) Action item review
   - Voting discussion (Alec)
   - Queue up motion: remove versioning from path
   - CWE vs. CAPEC query/response syntax discussion
   - Need to develop "rules" for schema/content changes (how/when/what they are, and how to communicate them) (David, Steve C)
   - Upload JSON response syntax (Kent)

- Use Cases (all)
- Check Git for enhanced views of db content (all)

6) Adjourn