CWE REST API Working Group Meeting – September 8, 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/
   - Status (MITRE)
     o Still trying to settle budget
     o Internal development server status unknown
     o All entries for a particular category or view being worked on
   - Language (JSON response value)
     o Machine-readable and a human-readable version of a view
       ▪ Nested JSON (tree)
       ▪ Human-readable takes a little longer to run but takes less data
         • Deleting empty leaf nodes
       ▪ Issue pivots on when decedents (tree) are also included in a response
         • Empty [] would be removed from "human-readable" version, and left in for "machine-readable" version
         • Parsing easier WITH "[]" left in
   - Specification documents
     o Specs are in GitHub (https://github.com/CWE-CAPEC/REST-API-wg/tree/main/specifications), but not fully populated
     o OpenAPI doc
       ▪ For changes query, return the entries that changed
         • List of entries that changed
           o To update a local tool (limits bandwidth)
           o To flag client developers to support new changes
         • List of entries that changed AND the change
         • The entry with the content change history in it (across all time)
           o Cache "current vs. previous" change histories per release and save for future queries
           o Example: CWE - CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') (4.8) (mitre.org)
           o This might be an endpoint that is queried when "version query" response changed to keep up-to-date on the client side
       ▪ (Currently, 1 schema survives at a time)
       ▪ (Currently, default db is the latest db; but old version can be part of query)
       ▪ Pick up topic next week
         • CAPEC and more from CWE
5) Action item review
   - Continue review OpenAPI spec and check against meeting decisions, etc. (all)
   - List of "decisions" doc

- Check GitHub for enhanced views of db content (all)
- Status update

6) Adjourn