



CWE/CAPEC REST API Working Group

- Mission and Initial Guidance -

Chair: Adam Cron (Synopsys)

Vice-chair: Luke Malinowski (MITRE)

The CWE/CAPEC program – operated by the CISA-funded Homeland Security Systems Engineering and Development Institute (HSSEDI) – is pleased to announce a new community-driven effort. The CWE/CAPEC REST API Working Group is underway to ease the interface between security SW and HW architects, EDA tool developers, verification engineers concerned about mitigating security risks in their products; and the databases themselves. A new RESTful API will be designed.

You are invited to join this effort and become a member of the Working Group performing the work to:

1. Craft the RESTful API syntax and semantics which users will send to the CWE and CAPEC database web services;
2. Determine which content and syntax the databases will use to deliver content back to the users;
3. Determine if there are structures or content missing from these databases which would complete a link between this content and that required for tools and standards (such as the Accellera SA-EDI standard); and
4. List any structure or content missing from these databases that would help with further automation (such as versioning, etc.).
5. Collaboratively determine performance/scalability requirements by providing abstract use cases

This effort will require your attendance at virtual meetings, once a week, likely through the end of 2022. At the end of this process, the Working Group will provide development and design support, and deliver a document and any other collateral that can be used by MITRE to craft the required infrastructure to support the RESTful API.

Please reply to a.cron@ieee.org if you are interested in actively participating in this effort.

Best regards,

Adam Cron, Synopsys
Chair, CWE/CAPEC REST API Working Group