**CHALLENGE**

- Ad hoc cybersecurity experimentation severely retards scientific progress
- Use of one-off, painstaking, and error-prone processes; not shared for reuse and validation
- Lack of repeatable, reproducible, and reusable processes and other artifacts

**SEARCH COMMUNITY HUB**

Community-driven platform that lowers the barrier to sharing and reusing research artifacts
- Sharing artifacts through web interface and “importer”
- Discovering artifacts with smart search capability
- Exchanging experiences via reviews and ratings

**APPROACH**

SEARCHCH Stores Artifact Metadata
- SEARCHCH does not store artifacts directly, rather it stores a rich metadata representation of artifacts
- Enables researchers to quickly find relevant artifacts and access them in their native locations

High-level Architecture
- SEARCHCH is comprised of a front end and an importer tool which enable users to interact with a back end that supports consumes and curates of artifacts via a knowledge graph and the metadata store

**IMPORTER TOOL**

- Python application partially automates task of creating metadata that describes an artifact
- Allows manual editing of metadata prior to export

**HUB FEATURES & CAPABILITIES**

- Submit artifact
- Search artifacts
- View artifacts
- Review & rate artifacts
- Favorite artifacts
- Manage Account
- Best Practices
- FAQ

**INVITATION TO ACSAC COMMUNITY**

- Actively participate in planned SEARCHCH community engagement activities
- Contribute and make use of experiment expertise and artifacts in the SEARCHCH hub

**FOR MORE INFORMATION**

- https://search.cyberexperimentation.org/; @SEARCHCH_Hub

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