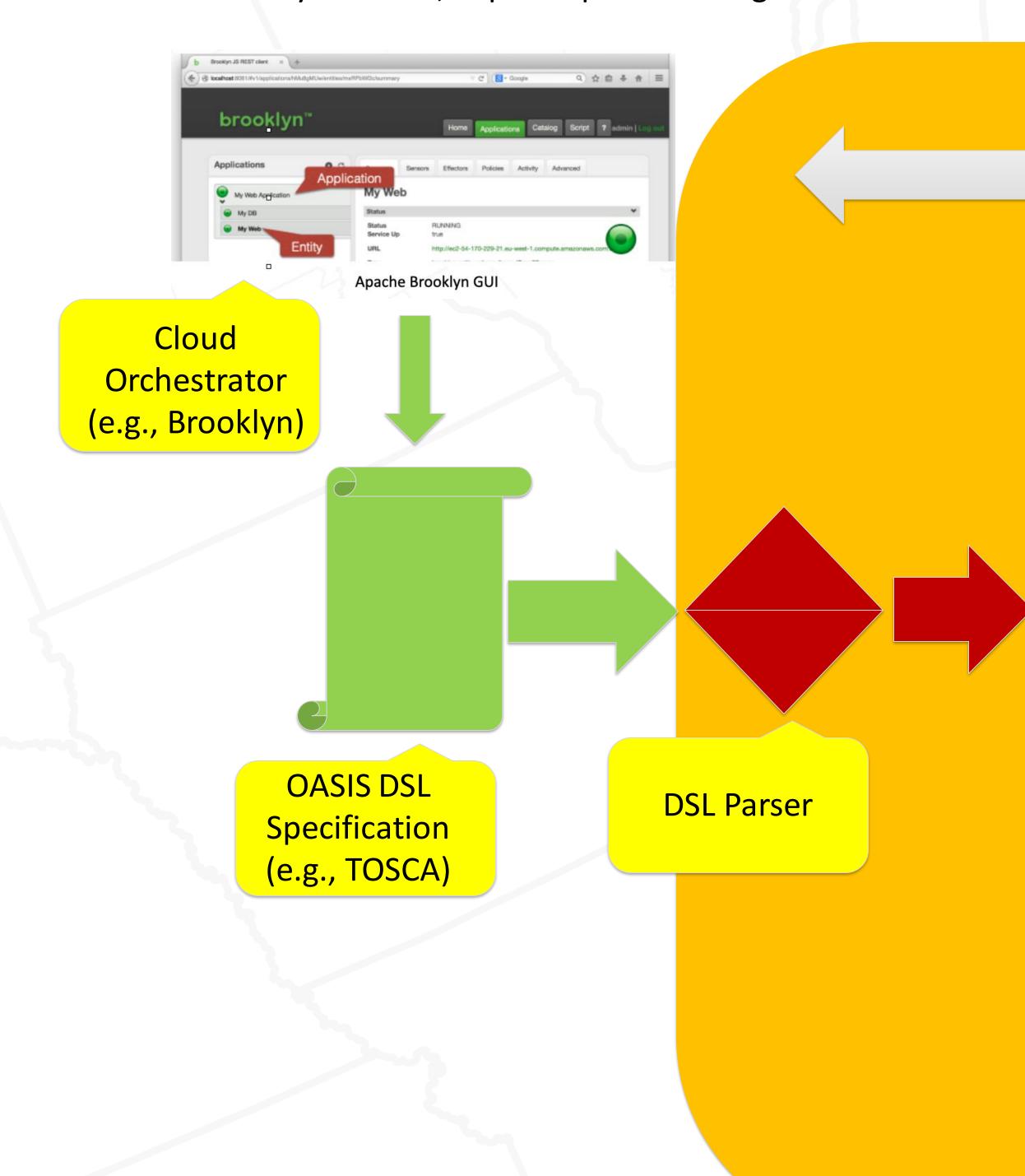
A Security Recommender System for Composable Cloud Solutions

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9TH ANNUAL HOT TOPICS in the SCIENCE OF SECURITY Week of April 4th, 2022 | VIRTUAL

User: builds system via GUI; uses feedback to improve design

Feedback to user based on engine evaluation

Type: DBServer

- Name: MySQL
- User: root
- Password: "Secret"

Type: WebServer

- Name: Apache
- User: user99
- Password: ""
- Connection: HTTP

Type: AppServer

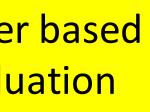
- Name: Couchbase
- User: Root
- Password: "Pa55w0rd"
- Connection: https

Functional blocks extracted from specification

Project Scope

Function [A] has {security errors} **Recommendation:** Modify [A] to use {mitigation}

Logical Reasoner & Recommender



NOT(X, SuperUser)

NOT(Y, BadPWlist)

CHECK(Ports, Svcs)

Security Rules Repository (e.g., Ontology)