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SPONSORS:

Problem

Cybersecurity Laboratory as a Service (CLaaS).
We will exploit virtual technologies and cloud services to allow students to build any virtual cyberspace, and carry out any cybersecurity experiment.

Solution

This prototype project will integrate research, education, and training programs to provide critically needed testbeds, tools, and educational/training programs to allow students, researchers, professionals, and educators to have hands-on experience in cybersecurity fundamentals, and how to detect vulnerabilities, and attacks, and also protect our cybersecurity resources and services.

This project aims at addressing the severe shortage in cybersecurity workforce who are well trained in cybersecurity vulnerability analysis, detection and protection techniques.

Architecture

To develop an innovative and interactive cyber assistant, the we refer to as Ask Cybpert, to answer frequently asked questions by students and educators about cybersecurity issues, well as educational and training programs.

To offer as a cloud service Cybersecurity Laboratory as a Service (CLaaS) that will deliver virtual cybersecurity laboratory, testbeds, attack libraries, monitoring and analysis tools.