

Title : Organizational Security Management Platform

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Type of presentation* (choose 1) : Oral Presentation (เฉพาะ ตัวแทนศ.ที่สาขาเลือกให้นำเสนอแบบบรรยาย)
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 Cooperative Education (กรณี นำเสนอผลงานสหกิจศึกษา)

ABSTRACT

This report is a part of a cooperative education project focusing on the development of an Organizational Security Management Platform. The objective of this project is to integrate various security products used by the team, along with open-source solutions and data from other teams, in the organization into a unified platform to enhance data correlation and analysis. The primary goal is to consolidate information on security products and solutions for improved organizational security management. In developing of the platform, the following tasks are performed: 1. identifying subdomain discovery tools 2. performing subdomain scans and data collection 3. organizing data in Google Sheets 4. creating a PostgreSQL database. 5. identifying vulnerability assessment tools 6. conducting scans on target systems and storing the results in the database. The project resulted in the discovery of hundreds of significant subdomains using tools such as theHarvester and Amass, which provided comprehensive and efficient results without brute force techniques. Additionally, Bighuge BLS OSINT Tool, an OSINT tool, proved the capability of the extensive subdomain data collection. Vulnerability assessments using OpenVAS and Nessus demonstrated the ability to detect various vulnerabilities, while OWASP ZAP excelled in identifying security flaws, further enhancing system security assurance.

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