

OSINT

BEGINNER'S GUIDE

INTRODUCTION

Open-Source Intelligence (OSINT) leverages publicly available data for cybersecurity tasks, such as tracking cybercriminals and monitoring vulnerabilities and data breaches. It has both offensive and defensive applications, making it a vital tool in modern cybersecurity. The workshop introduced essential 4 tools, which are username tracking, data breach investigation, website analysis and archived content retrieval.

EXECUTIVE SUMMARY

This workshop covered Open-Source Intelligence (OSINT) basics and its cybersecurity applications. Tools like [Sherlock](#), [InstantUsername](#), [BreachDirectory](#), and the [Wayback Machine](#) were explored for tracking, investigations, and data recovery. The session highlighted OSINT's relevance to network and software engineering, aligning with academic and professional goals in technology.

1. Username Tracking Tools

-Sherlock-

- Identifies where a specific username is used across multiple platforms.
- Automates searches on various websites to locate accounts linked to the username.

2. Data Breach Investigation Tools

-BreachForums-

- Forum for hackers and threat analysts to discuss breaches and share leaked data.
- Examines leaked databases for threat actors or data leaks.

3. Website Analysis Tools

-ICANN Lookup-

- Provides information about domain registration
- User input a domain name to retrieve publicly available WHOIS data.

4. Archived Content Retrieval Tool

-Wayback Machine-

- Allows users to view historical versions of websites
- Captures website snapshots, allowing access to deleted or modified content.

REFLECTION

The workshop deepened our understanding of OSINT's role in cybersecurity, showing how tools like Sherlock and BreachDirectory can address vulnerabilities and enhance security measures. It highlighted the importance of proactive data analysis and its relevance to our coursework and career goals. The practical knowledge gained motivates us to further explore OSINT and integrate it into our studies and future work as a network or software engineer.



NG SHE LING (A24CS0285)
NUR IELFISHAHRI NAZIHAH BINTI IMEERAN (A24CS0164)
EZRALYN AP DAYALAN (A24CS0069)
TAN JIA YIE (A24CS0302)
LAYTH AMJED FATEHI HAMMAD (A23CS4024)