Beykoz University

Department of "Computer Engineering"

"Advanced Topics in Cyber Security - 60613MEEOS-CME0388"

2nd Review of Project

Web Application Testing - Kali Linux

- Interim Report -

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Project Description:

The project "Web Application Security Testing with Kali Linux" aims to assess the security of web applications using various tools available in Kali Linux, such as Nikto, Nmap, and XSSer. The testing involves identifying vulnerabilities in web applications and exploiting them to evaluate the effectiveness of the security controls in place. The project also includes documentation of the testing methodology, findings, and recommendations for improving the security posture of the web application.

Categories of Tools that I'll use for my project:

- Information Gathering
- Web Application Scanning
- SQL Injection
- Cross-Site Scripting (XSS)

Design and Implementation (Demo)

I choose only 1 tool for each category, I'll use more for final submission. I've added snapshots and screenshots of the tools that I've used with Kali Linux. Outcome analysis is provided for each.

1. Information Gathering

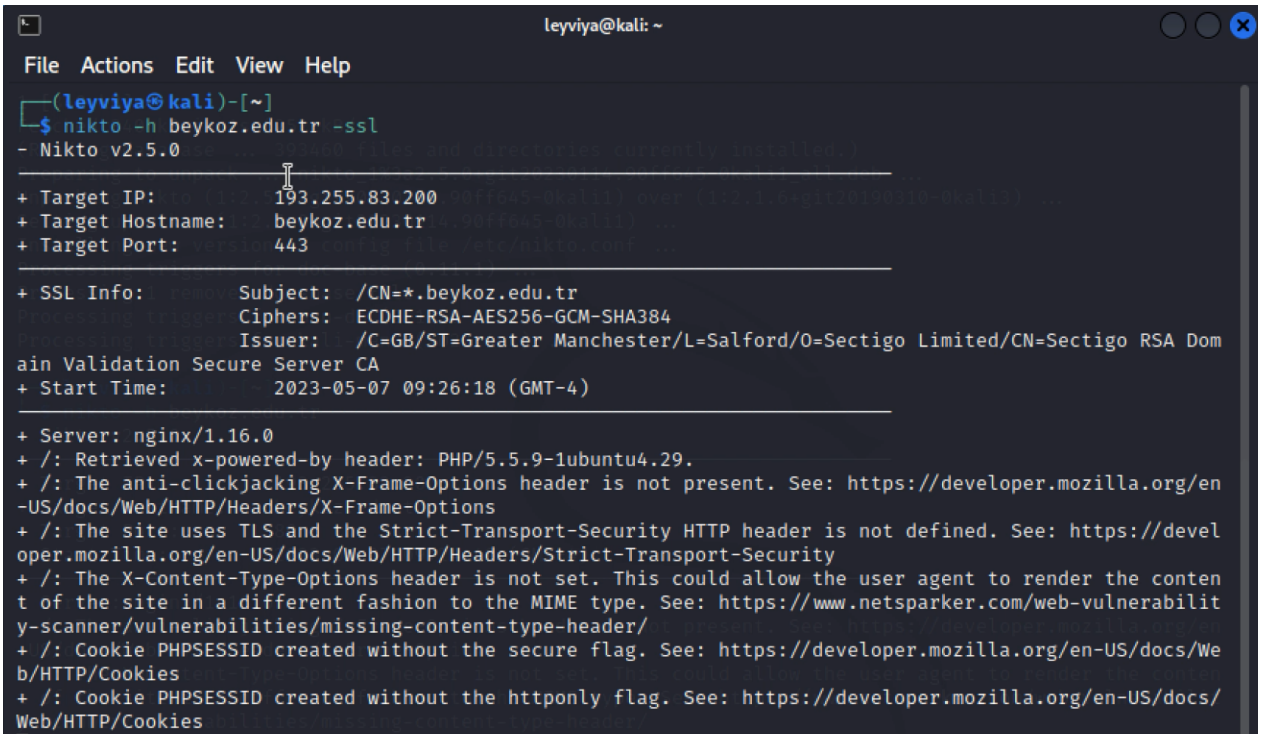
Whois	To identify the owner of a website or domain

Snapshot & Screenshot from Kali Linux: (Click on the link and video will appear) - whois

2. Web Application Scanning

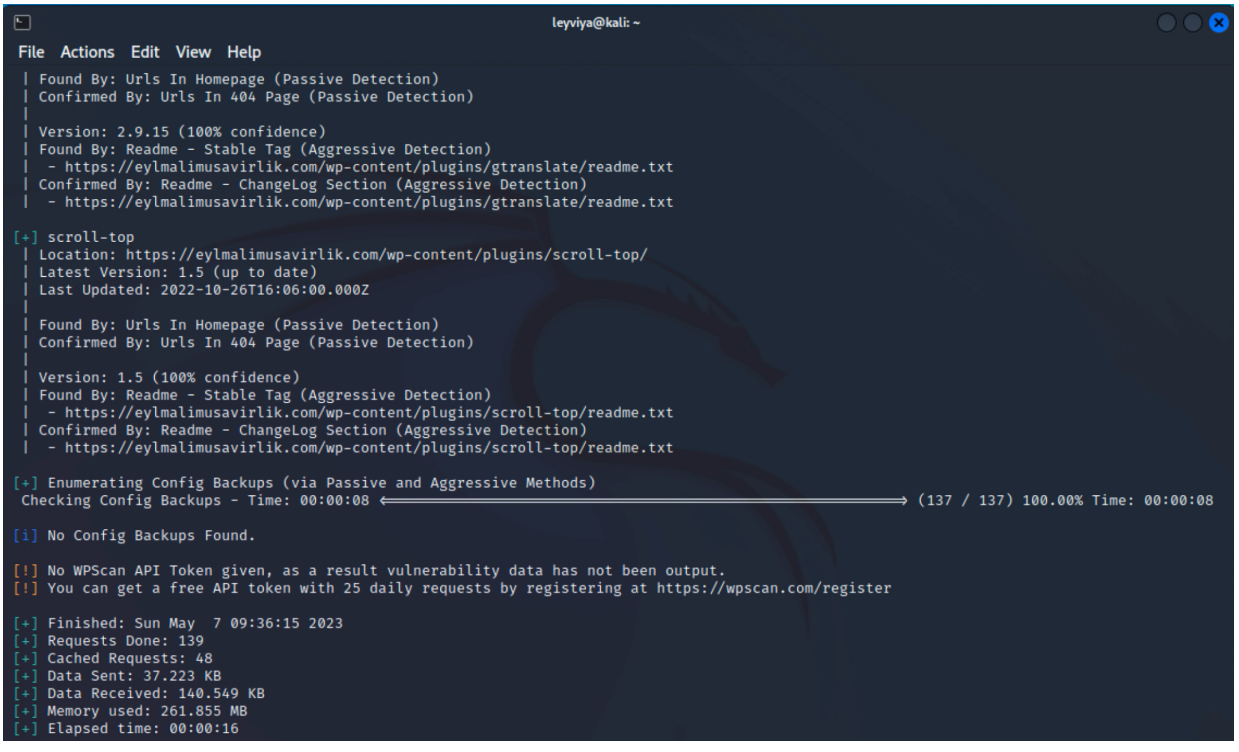
Nikto	To scan web servers for potential security issues and vulnerabilities

Snapshot & Screenshot from Kali Linux: (Click on the link and video will appear) - nikto



WPScan	To scan WordPress websites for vulnerabilities

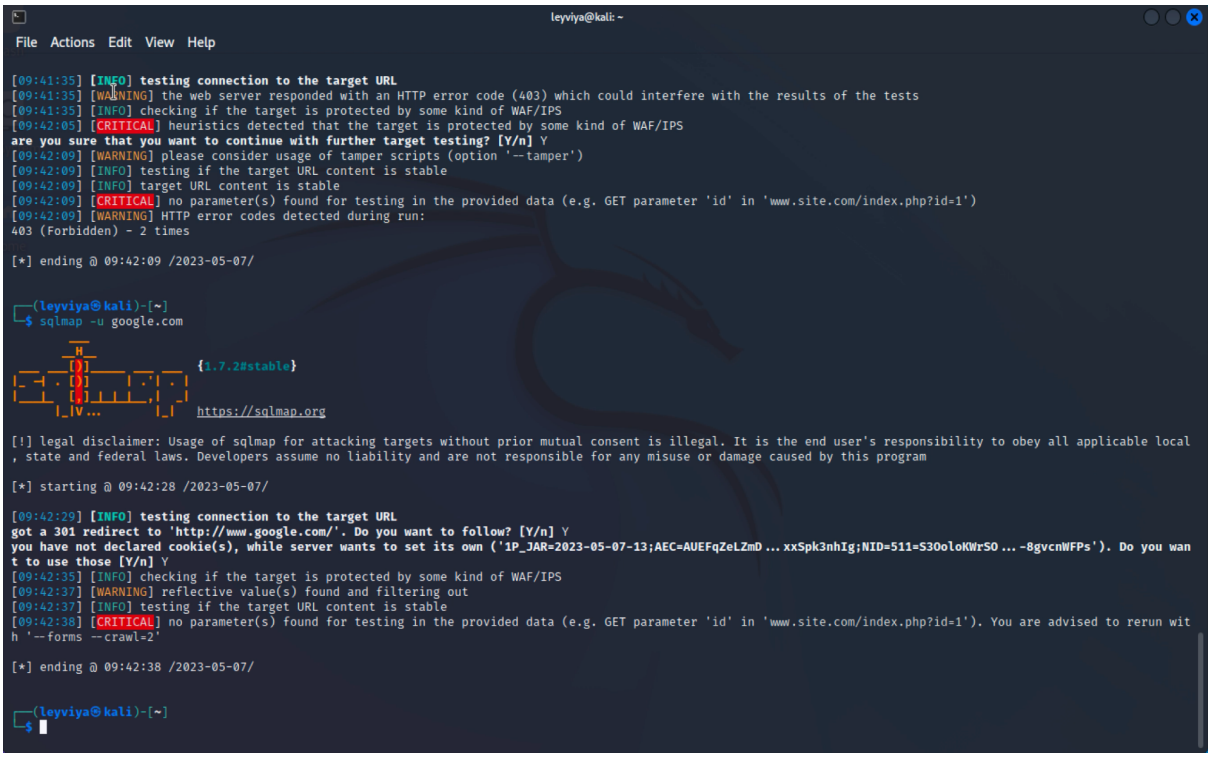
Snapshot & Screenshot from Kali Linux: (Click on the link and video will appear) - wpscan



3. SQL Injection

SQLmap	To detect and exploit SQL injection vulnerabilities in web applications

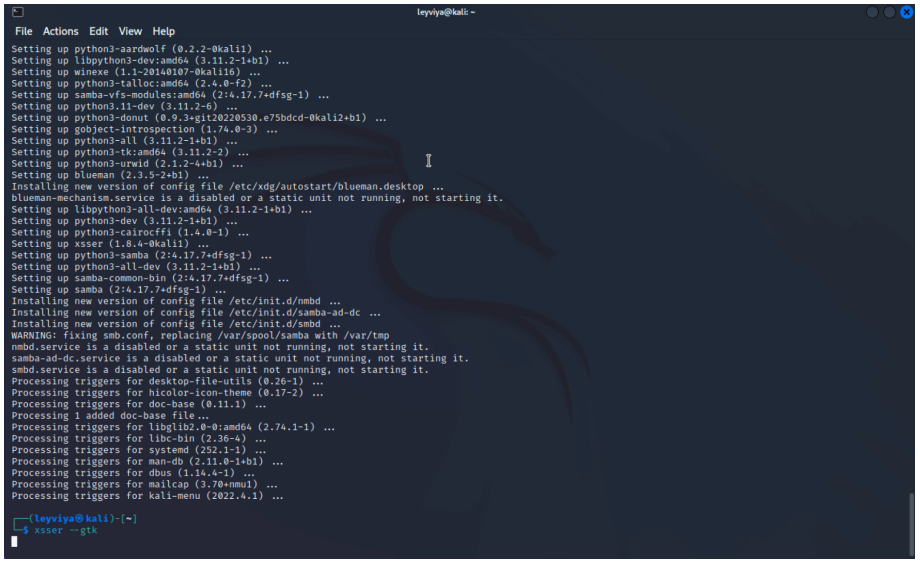
Snapshot & Screenshot from Kali Linux: (Click on the link and video will appear) - sqlmap



4. Cross-Site Scripting (XSS)

XSSer	To detect and exploit XSS vulnerabilities in web applications

Snapshot & Screenshot from Kali Linux: (Click on the link and video will appear) - xsser



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