TRENDS | **Academy**
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WEB-200: Foundational Web Application Assessments with Kali Linux

Duration: 90 Days

Course Description:

OffSec's Foundational Web Application Assessments with Kali Linux (WEB-200) course introduces web application security testing methodology, tools, and techniques in a hands-on, self-paced environment. Learners gain a deep understanding of common web vulnerabilities and how to exploit them responsibly.

Individuals completing the online training course and passing its exhaustive exam earn the OffSec Web Assessor (OSWA) certification. This credential demonstrates your ability to identify and exploit vulnerabilities in web applications. The OSWA stands out in the web security field, reflecting a commitment to the hands-on skills employers seek.

Course Outlines:

Tools for the Web Assessor

➢ Gain hands-on experience with industry-standard tools like Burp Suite, OWASP ZAP, and sqlmap, used by web application penetration testers to identify security vulnerabilities, exploit weaknesses, and assess the security posture of web applications.

Cross-Site Scripting (XSS) Introduction, Discovery, Exploitation and Case Study

➢ Learn how attackers inject malicious code into web pages to hijack user sessions, steal sensitive data, or deface websites. Discover how to identify and exploit XSS vulnerabilities and understand the different types of XSS attacks. Explore real-world case studies to learn from past incidents and strengthen your defenses.

Cross-Site Request Forgery (CSRF)

➢ Uncover how attackers trick authenticated users into performing unintended actions on web applications. Learn how to identify and exploit CSRF vulnerabilities and explore practical mitigation techniques to protect against these attacks. Understand the impact of CSRF on user trust and data integrity.

Exploiting CORS Misconfigurations

➢ Dive into the security risks associated with Cross-Origin Resource Sharing (CORS) misconfigurations. Learn how attackers exploit these vulnerabilities to bypass access controls and access sensitive data. Understand how to identify and fix CORS misconfigurations to ensure secure cross-origin communication.

Database Enumeration

➢ Master techniques to gather sensitive information about a web application's database structure and content. Learn how attackers leverage this information to craft targeted attacks. Explore various database enumeration methods and learn to implement countermeasures to protect against them.

SQL Injection (SQLi)

➢ Learn how to exploit vulnerabilities in web applications that interact with databases, potentially leading to data compromise, unauthorized access, or website defacement. Understand the different types of SQL Injection attacks and the impact they can have on an organization's security posture. Explore techniques for preventing and mitigating SQL Injection vulnerabilities.

Directory Traversal

➢ configuration information, or source code. Learn to identify and exploit directory traversal vulnerabilities and understand how to prevent unauthorized access to restricted areas of a web server.

XML External Entity (XXE) Processing

➢ Explore how attackers manipulate XML processors to access files, execute commands, or perform denial-of-service attacks. Understand the mechanics of XXE attacks and the potential consequences. Learn to secure XML parsers and prevent XXE vulnerabilities in web applications.

Server-Side Template Injection (SSTI)

➢ Understand how attackers inject code into web application templates, potentially leading to remote code execution, information disclosure, or privilege escalation. Learn how to identify and exploit SSTI vulnerabilities and explore mitigation techniques to protect your web applications.

Server-Side Request Forgery (SSRF)

➢ Learn how attackers force a web application to make requests to internal or external systems, potentially leading to data exfiltration, service disruption, or access to internal resources. Understand the various SSRF attack vectors and implement countermeasures to prevent unauthorized requests.

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