€TRAINING

OffSec Certified Professional OSCP

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Introduction:

This program is designed to prepare participants for the certification exam only.

The OffSec Certified Professional OSCP certification is highly respected in the field of cybersecurity, particularly in the area of penetration testing. This training program is designed to provide participants with the knowledge, skills, and practical experience needed to become proficient penetration testers and prepare for the OSCP certification.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the fundamentals of penetration testing methodology.

- Gain hands-on experience in conducting penetration tests in a simulated environment.

- Learn to identify and exploit vulnerabilities in systems and networks.

- Develop the skills needed to write comprehensive penetration testing reports.

- Prepare for the OSCP certification exam.

Targeted Audience:

- Cybersecurity professionals.

- Network administrators.

- System administrators.

- Ethical hackers.

Outline:

Unit 1:

Introduction to Penetration Testing:

- Introduction to penetration testing.

- Penetration testing methodology Reconnaissance, Enumeration, Vulnerability Analysis, Exploitation, Post-Exploitation.

- Setting up a penetration testing lab environment.

- Introduction to Kali Linux.

- Basic Linux command-line usage.

Unit 2:

Network Penetration Testing:

- Scanning and enumeration.

- Service enumeration and identification.

- Vulnerability scanning.

- Exploitation techniques.

- Post-exploitation and maintaining access.

Unit 3:

Web Application Penetration Testing:

- Introduction to web application penetration testing.

- Information gathering and reconnaissance.

- Web application vulnerabilities SQL injection, Cross-Site Scripting.

- Exploiting web application vulnerabilities.

- Web application post-exploitation.

Unit 4:

Wireless and Physical Penetration Testing:

- Wireless penetration testing methodology.

- Wireless network scanning and enumeration.

- Exploiting wireless network vulnerabilities.

- Physical penetration testing methodology.

- Physical security assessments and social engineering.

Unit 5:

Advanced Penetration Testing Techniques and OSCP Exam Preparation:

- Advanced exploitation techniques.

- Privilege escalation.

- Client-side attacks.

- Buffer overflow attacks.

- Penetration testing report writing.

- Prepare for the exam.

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