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Learning Style: On Demand

Technology:

Difficulty: Advanced

Course Duration: 7 Hours

Certified Penetration Testing Consultant

About this course:

Let’s have an insight on what Penetration Testing is. Penetration testing (also called pen testing) is the practice of testing a computer system, network or Web application to find vulnerabilities that an attacker could exploit. Penetration testing typically includes network penetration testing and application security testing as well as controls and processes around the networks and applications, and should occur from both outside the network trying to come in (external testing) and from inside the network. This advanced level certification course is designed for IT Security Professionals and IT Network Administrators who are interested in conducting Penetration tests against large network infrastructures similar to large corporate networks, Services Providers and Telecommunication Companies. This certification course helps the students in the preparation for C)PTC - Certification Exam.

The average salary for Certified Penetration Testing Consultant is **$88,080** per year.

Course Objective:

After completing this course, students will be able to:

- Establish an industry acceptable pen testing process

Audience:

This course is intended for:

- IS Security Officers
- Cyber Security Managers/Admins
- Penetration Testers
- Ethical Hackers
- Auditors

Prerequisites:

- A minimum of 24 months experience in Networking Technologies
- Sound knowledge of TCP/IP
- Computer hardware knowledge

Suggested prerequisites courses:

- Certified Security Leadership Officer
- LFS265 - Software Defined Networking Fundamentals
- LFS211 - Linux Networking and Administration

Course Outline:

This Course Includes:

- Module 1 - Pentesting Team Formation

- Module 2 - NMAP Automation
- Module 3 - Exploitation Process
- Module 4 - Fuzzing with Spike
- Module 5 - Writing Simple Buffer Overflow Exploits
- Module 6 - Stack Based Windows Buffer Overflow
- Module 7 - Web Application Security and Exploitation
- Module 8 - Linux Stack Smashing
- Module 9 - Linux Address Space Layout Randomization
- Module 10 - Windows Exploit Protection
- Module 11 - Getting Around SEH and ASLR (Windows)
- Module 12 - Penetration Testing Report Writing

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