

CPTC

Certified Penetration Testing Consultant

Overview

The vendor-neutral Certified Penetration Testing Consultant course is designed for IT Security Professionals and IT Network Administrators who are interested in taking an in-depth look into specific Penetration tests and techniques against operating systems. This course will teach you the necessary skills to work as a penetration testing team, the exploitation process, how to create a buffer overflow against programs running on Windows and Linux while subverting features such as DEP and ASLR.

Upon Completion

Upon completion, the Certified Penetration Testing Consultant candidate will be able to competently take the CPTC exam.

Course Length

5 days

Format

- Instructor-led
- Live Online Training

Prerequisites

- C) PTE or equivalent knowledge
- A minimum of 24 months experience in Networking Technologies
- Sound knowledge of TCP/IP
- Computer hardware knowledge

Student Materials

- Student Workbook
- Student Lab Guide

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- Exam Prep Guide

Certification Exam

- Mile2 C) PTC

Who Should Attend?

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

Course Contents

- Module 1 - Pen Testing Team Formation
- Module 2 – NMAP Automation
- Module 3 - Exploitation Process
- Module 4 - Fuzzing with Spike
- Module 5 - Simple Buffer Overflow
- Module 6 - Stack Based Windows Buffer Overflow
- Module 7 - Web Application Security and Exploitation
- Module 8 - Linux Stack Smashing & Scanning
- Module 9 - Linux Address Space Layout Randomization
- Module 10 - Windows Exploit Protection
- Module 11 - Getting Around SEH ASLR
- Module 12 - Penetration Testing Report Writing

Lab Outline

- Lab 1 – Skills Assessment
- Lab 2 – Automation Breakdown
- Lab 3 – Fuzzing with Spike
- Lab 4 – Let's Crash and Callback

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- Lab 5 – MiniShare for the Win
- Lab 6 – Stack Overflow. Did we get root?
- Lab 7 – Defeat Me and Lookout ASLR
- Lab 8 – Time to overwrite SEH and ASLR

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