Certified Penetration Testing Professional (CPENT)

Description

What is the Certified Penetration Testing Professional (CPENT) certification?

Certified Penetration Testing Professional (CPENT) is a comprehensive and advanced training course designed for cybersecurity professionals looking to master penetration testing techniques. Recognized in the field, this program equips you with in-depth skills to analyze and penetrate complex networks, while exploiting existing vulnerabilities. The CPENT certification covers a wide range of topics, from network, IoT, and OT/SCADA penetration testing to cloud system exploitation and professional report writing.

Why choose the CPENT training?

This course stands out with its practical and realistic approach, featuring dynamic labs that evolve to simulate current threats. By enrolling in the Certified Penetration Testing Professional (CPENT) program, you ensure that you master not only penetration techniques but also the art of writing actionable reports for stakeholders. The training allows you to customize scripts, optimize double pivoting, and efficiently manage secure environments. It is an opportunity to develop essential skills for securing various infrastructures, from IoT to cloud environments.

Course Content
Module 1: Introduction to Penetration Testing

- Penetration testing fundamentals
- Ethics and legal framework

Module 2: Penetration Testing Scoping and Engagement

- Setting objectives
- Defining the scope of engagement

Module 3: Open-Source Intelligence (OSINT)

- Gathering information from public sources
- Using OSINT tools

Module 4: Social Engineering Penetration Testing

- Manipulating people to access sensitive data
- Phishing and vishing techniques

Module 5: Network Penetration Testing – External

- Testing external infrastructures
- Exploiting security vulnerabilities

Module 6: Network Penetration Testing – Internal

- Auditing internal networks
- Exploiting compromised network services

Module 7: Network Penetration Testing – Perimeter Devices

- Testing security devices (firewalls, routers)
- Evaluating security configurations

Module 8: Web Application Penetration Testing

- Pen testing web applications
- Exploiting web application vulnerabilities

Module 9: Wireless Penetration Testing

- Auditing wireless networks
- Exploiting Wi-Fi network vulnerabilities

Module 10: IoT Penetration Testing

- Analyzing IoT devices
- Exploiting vulnerabilities in connected systems

Module 11: OT/SCADA Penetration Testing

- Testing industrial systems
- Evaluating vulnerabilities in OT environments

Module 12: Cloud Penetration Testing

- Auditing cloud environments
- Exploiting misconfigurations

Module 13: Binary Analysis and Exploitation

- Analyzing binary files
- Exploiting software vulnerabilities

Module 14: Active Directory Penetration Testing

- Pen testing Active Directory environments
- Exploiting AD vulnerabilities

Module 15: Report Writing and Post Testing Actions

- Writing audit reports
- Post-test actions

Documentation

- Digital course materials included

Exam

- This course prepares to the Certified Penetration Testing Professional (CPENT) certification
- In order to receive the Certified Penetration Testing Professional (CPENT) certification, learners must pass the exam.
- If you wish to take the exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you.

Participant profiles

- Security consultants
- System and network administrators
- Penetration testing professionals
- Cybersecurity experts
- Security solutions architects

Prerequisites

- Strong knowledge of cybersecurity fundamentals
- Familiarity with Windows and Linux operating systems
- Basic skills in scripting and automation
- Previous experience in penetration testing
- Understanding of networks and TCP/IP protocols

Objectives

- Master advanced Windows attacks
- Conduct penetration tests on IoT systems
- Write advanced binary exploitation scripts
- Bypass filtered networks
- Pen test OT/SCADA systems
- Access hidden networks with pivoting

Description
Certified Penetration Testing Professional (CPENT) training
Niveau
Intermédiaire
Classroom Registration Price (CHF)
5900
Virtual Classroom Registration Price (CHF)
5650
Duration (in Days)
5
Reference
CPENT