



Network Penetration Testing Expert

This course is mapped to Network Penetration Testing Expert Certification Exam from US-Council.

The course is specifically designed for security professionals who want to become experts in network penetration testing. This course teaches the tools and techniques to test a network's defense mechanisms and uncover any loopholes before they are breached by hackers. It covers penetration testing of routers, switches, firewalls, IDS / IPS as well as hosts and servers running on Windows and Linux.

INTRODUCTION TO PENETRATION TESTING

INFORMATION GATHERING

- OSINT
- DNS
- SNMP

PENTESTING NETWORK DEVICES

- Routers
- Switches
- Firewalls
- Intrusion Detection System
- Intrusion Prevention System
- Wireless Access points
- IP Camera

PENTESTING WINDOWS NETWORKS

PENTESTING LINUX NETWORKS

PENTESTING MOBILE APPLICATION

ATTACKING VIA THE DMZ

- Web Servers
- Email servers
- Application Server

POST EXPLOITATION TECHNIQUES

PRIVILEGE ESCALATION

- Windows
- Linux

KEEPING ACCESS

- Backdoors
- Rootkits

SCENARIO BASED PENTESTING

SOCIAL ENGINEERING ATTACKS

ANTIVIRUS EVASION TECHNIQUES

FIREWALL AND IDS EVASION