

COURSE OVERVIEW

Course Name:
(PT0-002)
CompTIA Pentest+

COURSE DURATION: 5 Day

Gauteng:

3rd Floor, 34 Whitely Road
Melrose Arch
Johannesburg
2196

Gauteng:

192 on Bram
192 Bram Fischer Drive
Ferndale, Randburg
Johannesburg
2160

Cape Town:

3rd Floor, Thomas Pattullo Building
19 Jan Smuts St
Cape Town
8000

Durban:

9 Mountview Close
Broadlands
Mount Edgecombe
Durban
4302

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INTRODUCTION

The Official CompTIA PenTest+ Guides (Exam PT0-001) is designed for cybersecurity practitioners who want to develop penetration testing skills to enable them to identify information-system vulnerabilities and effective remediation techniques for those vulnerabilities.

These materials focus on the knowledge, ability, and skills necessary to perform tasks on systems as well as management skills used to plan, scope, and manage weaknesses, not just exploit them, as well as prepare candidates to take the CompTIA PenTest+ certification exam.

DELIVERY METHOD

Our courses have flexible delivery options:

- In-person classroom training at the Impactful training facilities
 - Johannesburg, Durban, Cape Town
- Virtual instructor-led training
- Nationally: on-site at the client

INTENDED AUDIENCE

- Penetration Tester
- Vulnerability Tester
- Security Analyst (II)
- Vulnerability Assessment Analyst
- Network Security Operations
- Application Security Vulnerability

PREREQUISITES

To ensure your success in this course, you should have:

- Intermediate knowledge of information security concepts, including but not limited to identity and access management (IAM), cryptographic concepts and implementations, computer networking concepts and implementations, and common security technologies.
- Practical experience in securing various computing environments, including small to medium businesses, as well as enterprise environments. You can obtain this level of skills and knowledge by taking the official CompTIA® Security+® (Exam SY0-601) course or by obtaining the appropriate industry certification.

COURSE OBJECTIVES

As organizations scramble to protect themselves and their customers against privacy or security breaches, the ability to conduct penetration testing is an emerging skill set that is becoming ever more valuable to the organizations seeking protection, and ever more lucrative for those who possess these skills. In this course, you will be introduced to general concepts and methodologies related to pen testing, and you will work your way through a simulated pen test for a fictitious company. This course will assist you if you are pursuing the CompTIA PenTest+ certification, as tested in exam PT0-001.

COURSE CONTENT

Lesson 1: Planning and Scoping Penetration Tests

Topic A: Introduction to Penetration Testing Concepts

Topic B: Plan a Pen Test Engagement

Topic C: Scope and Negotiate a Pen Test Engagement

Topic D: Prepare for a Pen Test Engagement

Topic 3D: Explain Penetration Testing Concept

Lesson 2: Conducting Passive Reconnaissance

Topic A: Gather Background Information

Topic B: Prepare Background Findings for Next Steps

Lesson 3: Performing Non-Technical Tests

Topic A: Perform Social Engineering Tests

Topic B: Perform Physical Security Tests on Facilities

Lesson 4: Conducting Active Reconnaissance

Topic A: Scan Networks

Topic B: Enumerate Targets

Topic C: Scan for Vulnerabilities

Topic D: Analyse Basic Scripts

Lesson 5: Analysing Vulnerabilities

Topic A: Analyse Vulnerability Scan Results

Topic B: Leverage Information to Prepare for Exploitation

Lesson 6: Penetrating Networks
Topic A: Exploit Network-Based Vulnerabilities
Topic B: Exploit Wireless and RF-Based Vulnerabilities
Topic C: Exploit Specialized Systems

Lesson 7: Exploiting Host-Based Vulnerabilities
Topic A: Exploit Windows-Based Vulnerabilities
Topic B: Exploit *Nix-Based Vulnerabilities

Lesson 8: Testing Applications
Topic A: Exploit Web Application Vulnerabilities
Topic B: Test Source Code and Compiled Apps

Lesson 9: Completing Post-Exploit Tasks
Topic A: Use Lateral Movement Techniques
Topic B: Use Persistence Techniques
Topic C: Use Anti-Forensics Techniques

Lesson 10: Analysing and Reporting Pen Test Results
Topic A: Analyse Pen Test Data
Topic B: Develop Recommendations for Mitigation Strategies
Topic C: Write and Handle Reports
Topic D: Conduct Post-Report-Delivery Activities

ASSOCIATED CERTIFICATION AND EXAM

This course will prepare delegates to write the CompTIA Server+ (PT0-001) exam.