

COURSE OVERVIEW

Course Name:
(CH-CND)
EC-Council Certified
Network Defender

COURSE DURATION: 5 Days

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

Organizational focus on cyber defence is more important than ever as cyber breaches have a far greater financial impact and can cause broad reputational damage. Despite best efforts to prevent breaches, many organizations are still being compromised. Therefore, organizations must have, as part of their defence mechanisms, trained network engineers who are focused on protecting, detecting, and responding to the threats on their networks. Network administrators spend a lot of time with network environments, and are familiar with; network components; network traffic; performance and utilization; network topology; location of each system; and security policies etc.

The Certified Network Defender (CND) course is a vendor-neutral, hands-on, instructor-led comprehensive network security certification training program that prepares Network Administrators on network security technologies and operations to attain Defence-in-Depth network security skills. The course contains hands-on labs, based on major network security tools and techniques which will provide Network Administrators' real-world expertise on current network security technologies and operations

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

TARGET AUDIENCE

- Network Administrators
- Network Security Administrators
- Network Security Engineers
- Network Defence Technicians
- Security Analysts/ Security Operators

PREREQUISITES

The knowledge and skills that a learner must have before attending this course is as follows:

Fundamental knowledge of Networking Concepts.
information security or service management is strongly recommended

COURSE OBJECTIVES

You will learn how to protect, detect and respond to network attacks. You will learn network defence fundamentals, the application of network security controls, protocols, perimeter appliances, secure IDS, VPN and firewall configuration. You will then learn the intricacies of network traffic signature, analysis and vulnerability scanning which will help you when you design greater network security policies and successful incident response plans. These skills will help you foster resiliency and continuity of operations during attacks

COURSE CONTENT

- Module 01: Computer Network and Defence Fundamentals
- Module 02: Network Security Threats, Vulnerabilities, and Attacks
- Module 03: Network Security Controls, Protocols, and Devices
- Module 03: Network Security Controls, Protocols, and Devices
- Module 05: Physical Security
- Module 06: Host Security
- Module 07: Secure Firewall Configuration and Management
- Module 08: Secure IDS Configuration and Management
- Module 09: Secure VPN Configuration and Management
- Module 10: Wireless Network Defence
- Module 11: Network Traffic Monitoring and Analysis
- Module 12: Network Risk and Vulnerability Management
- Module 13: Data Backup and Recovery
- Module 14: Network Incident Response and Management

ASSOCIATED EXAMS & CERTIFICATION

The CND program prepares network administrators on network security technologies and operations in order to obtain an internationally recognized certification as a Certified Network Defender. This certification has been mapped to global job roles and has been endorsed by the US Department of Défense (DoD) as well as the National Security Agency (NSA). The exam covers the; protect, detect and respond approach to network security. The course contains hands-on labs, based on major network security tools and techniques which will provide network administrator's real-world expertise on current network security technologies and operations.

The course contains hands-on labs, based on major network security tools and techniques which will provide network administrator's real-world expertise on current network security technologies and operations. The studykit provides you with over 10 GB of network security best practices, assessments and protection tools. The kit also contains templates for various network policies and many white papers for additional learning, which will assist you with preparing for the exam. Successful completion of the exam will earn you the title of Certified Network Defender.

Exam title: CND

Exam code: 312-38

Number of questions: 100

Duration: 4 Hours

Availability: ECC Exam

Test Format: Interactive Multiple Choice Questions