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Learning Style: On Demand

Technology: EC-Council

Difficulty: Beginner

Course Duration: 32 Hours

EC Council Certified network Defender (CND)



What's Included:

- *Official EC Council Training Videos*
- *Official EC Council Courseware included*
- *EC Council Exam Voucher with Remote Proctoring Service included*

About this Course:

Certified Network Defender (CND) is a vendor-neutral, hands-on, comprehensive network security certification training program. It is a skills-based, lab intensive program based on a job-task analysis and cybersecurity education framework by the National Initiative of Cybersecurity Education (NICE). The course has also been mapped to global job roles and to the Department of Defense (DoD) job roles for system/network administrators.

The program prepares network administrators on network security technologies and operations to attain Defense-in-Depth network security preparedness. It 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 administrators real world expertise on current network security technologies and operations. The study-kit provides over 10 GB of network security best practices, assessments and protection tools. The kit also contains templates for various network policies and white papers for additional learning.

Course Objectives:

- You will learn how to protect, detect and respond to the network attacks.
- You will learn network defense 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.

Audience:

- Network Administrators
- Network security Administrators
- Network Security Engineer
- Network Defense Technicians
- CND Analyst
- Security Analyst
- Security Operator
- Anyone who involves in network operations

Course Outline:

Module 1:
Computer Network and Defense Fundamentals Response & Handling

Module 2:
Network Security Threats, Vulnerabilities, and Attacks

Module 3:
Network Security Controls, Protocols, and Devices

Module 4:
Network Security Policy Design and Implementation

Module 5:
Physical Security

Module 6:
Host Security

Module 7:
Secure Firewall Configuration and Management

Module 8:
Secure IDS Configuration and Management

Module 9:
Secure VPN Configuration and Management

Module 10:
Wireless Network Defense

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

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