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Learning Style: Virtual Classroom

Technology: EC-Council

Difficulty: Beginner

Course Duration: 5 Days

EC-Council Certified Network Defender (CNDv3) Instructor Led Training



What's Included:

- *Official EC Council Print or e-courseware included*
- *Official EC Council ilabs subscription (6 months)*
- *EC Council Exam Voucher 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 01: Network Attacks and Defense Strategies
Module 02: Administrative Network Security
Module 03: Technical Network Security
Module 04: Network Perimeter Security
Module 05: Endpoint Security-Windows Systems
Module 06: Endpoint Security-Linux Systems
Module 07: Endpoint Security- Mobile Devices

Module 08: Endpoint Security-IoT Devices
Module 09: Administrative Application Security
Module 10: Data Security
Module 11: Enterprise Virtual Network Security
Module 12: Enterprise Cloud Network Security
Module 13: Enterprise Wireless Network Security
Module 14: Network Traffic Monitoring and Analysis
Module 15: Network Logs Monitoring and Analysis
Module 16: Incident Response and Forensic Investigation
Module 17: Business Continuity and Disaster Recovery
Module 18: Risk Anticipation with Risk Management
Module 19: Threat Assessment with Attack Surface Analysis
Module 20: Threat Prediction with Cyber Threat Intelligence

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