EC-Council Certified Network Defender (CND) Exam Preparation

Modality: Virtual Classroom

Duration: 5 Days

About this Course:

This intermediate-level 5 days training program is specifically designed for Security Professionals and Network Administrators striving for success in the EC-Council CND Certification Exam. Candidates will also learn how to identify and assess security vulnerabilities and threats by conducting regular security assessments and tests. The primary objective of this course is to help professionals develop a better understanding of the security paradigm and learn the basics of security practices implementation.

Upon the completion of this course, candidates will also receive the official EC-Council CND Exam voucher and will be eligible to appear in the CND Examination. In addition to this, this course also presents an incredible learning opportunity for candidates striving to learn the skills required to build a secure and protected network. This course also covers the key concepts of Network Technologies Implementation, Data Protection & Security, Secure Software Installation, and Privacy Building Practices.

Course Objective:

The core objective of this course is to help professionals gain a better knowledge and understanding of the following key prerequisites:

- Security Policies, Nursing, & Executing Guidelines Formulation
- Virtual Private Network (VPN) Technologies Implementation & Arrangement Methods
- Security Policies Design & Implementation
- Threats & Vulnerabilities Mitigation and Risk Assessment
- Security Defenses Monitoring and Management
- Malware Infestation Prevention and Authentication & Authorization Types
- Network Equipment and Control Installation and Configuration
- Host Protection and Security Strategies
- DMZ Designing, VPN Encryption, and Traffic Monitoring

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- Professionals striving to clear EC-Council CND Certification Exam
- Candidates seeking to learn Protected Network Development & Protection
- IT Professionals and Network Security Experts

Prerequisites:

Professionals planning to enroll in the EC-Council Certified Network Defender (CND) Exam Preparation Course must comply with the following prerequisites:

- Minimum 1 Year Experience of Network, Application, or Host Administration
- Fundamental Knowledge of Basic Networking and Host Functions

Course Outline:

Network Defender Fundamentals

Classifying threats, vulnerabilities, and attacks

- Reducing risk
- Identifying and assessing measures

Designing and implementing security policies

- Understanding the hierarchy of security policies
- Enforcing and promoting policies effectively

Deploying Security Devices

Configuring wireless security

- Choosing secure and scalable protocols
- Testing wireless security

Monitoring and managing defenses

- Installing patches for hardening
- Analyzing logs

Implementing Host Security

Preventing malware infestations

- Hardening Systems
- Defending with antivirus and whitelists
- Managing configuration

Evaluating baselines and monitoring

- Patching and remediating hosts
- Investigating types of authentication and authorization
- Enforcing centralized access controls

Securing the Network Perimeter

Restricting access with a firewall

- Designing the DMZ
- Implementing deep inspection and filters

Encrypting data with a VPN

- Selecting secure protocols
- Authenticating encryption endpoints

Responding to Incidents

- Monitoring traffic
- Deploying IDS and IPS
- Examining forensic artifacts