

DEFEND

C|ND

CERTIFIED
NETWORK DEFENDER

EC-Council

INTERMEDIATE

RSA®

COURSE OVERVIEW

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

The program prepares network administrators on network security technologies and operations to attain Defense-in-Depth network security preparedness. It covers the project, 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 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.



WHAT I WILL LEARN

- Student will learn about various network security controls, protocols, and devices.
- Student will be able to determine appropriate location for IDS/IPS sensors, tuning IDS for false positives and false negatives, and configurations to harden security through IDPS technologies.
- Students will be able to troubleshoot their network for various network problems.
- Students will be able to implement secure VPN implementation for their organization.
- Student will be able to identify various threats on organization network.
- Student will be able to identify various threats to wireless network and learn how to mitigate them.
- Student will learn how to design and implement various security policies for their organizations.
- Student will be able to monitor and conduct signature analysis to detect various types of attacks and policy violation activities.



- Student will learn the importance of physical security and able to determine and implement various physical security controls for their organizations.
- Student will able to perform risk assessment, vulnerability assessment/scanning through various scanning tools and generate detailed reports on it.
- Student will able to harden security of various hosts individually in the organization's network.
- Student will able to identify the critical data, choose

appropriate back up method, media and technique to perform successful backup of organization data on regular basis.

- Student will able to choose appropriate firewall solution, topology, and configurations to harden security through firewall.
- Student will able to provide first response to the network security incident and assist IRT team and forensics investigation team in dealing with an incident.

COURSE OUTLINE

- Computer Network and Defense Fundamentals
- Network Security Threats, Vulnerabilities, and Attacks
- Network Security Controls, Protocols, and Devices
- Network Security Policy Design and Implementation
- Physical Security
- Host Security
- Secure Firewall Configuration and Management
- Secure VPN Configuration and Management
- Secure IDS Configuration and Management
- Wireless Network Defense
- Network Traffic Monitoring and Analysis
- Network Risk and Vulnerability Management
- Data Backup and Recovery
- Network Incident Response and Management



WHO IS IT FOR?

Network Administrators, Network security administrators, Network Security Engineer, Network Defense Technicians, CND Analyst, Security Analyst, Security Operator, and anyone who involves in network operations.

EXAM INFORMATION

EXAM TITLE:

Certified Network Defender (CND)

DURATION:

4 hours

EXAM CODE:

312-38

AVAILABILITY:

ECC EXAM

NUMBER OF QUESTIONS:

100

TEST FORMAT:

Interactive Multiple Choice Questions



Contact us at:
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