

Cyber Security Professional

Course Outline

1. Basic Linux for Cybersecurity

- The Linux operating system
- Package management
- The Linux file structure
- The Command Line Interface
- The Linux Commands

2. Basic Windows operations for Cybersecurity

- All About Windows
- Navigating Windows
- Working with Files
- Finding Files on Your Computer
- Common Computer Tasks
- Adjusting Your Settings
- Understanding User Accounts
- Keyboard Shortcuts in Windows
- Common Applications in Windows
- Opening Files with Different Applications
- Working with Flash Drives
- Troubleshooting Basic Problems

3. Security Concepts

- Threats, Attacks, and Vulnerabilities
- Network Security Technologies and devices
- Basic Concept of Cryptography
- Basic Concept of Cloud and Virtualization
- Install and configure:
- Operating Systems (Windows & Linux)
- Wireless security settings

4. Ethical Hacking

- Install and configure Virtual Lab
- Install, Update and Upgrade Parrot Linux in Virtual Lab
- Information Gathering
- Scanning Networks
- Enumeration
- System Hacking
- Social Engineering
- Session Hijacking
- Hacking Web Applications & Web Servers
- SQL Injection
- Hacking Mobile Platform
- IoT and OT Hacking

- Cloud Computing
- Cryptography

5. Report Perpetration and Presentation

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