



FREE BOOTCAMP

Cybersecurity Essentials



Agenda



DAY 1

Basics of Networking

- What is a Network?
- Network Standard Models
- Network Topologies (Bus, Star, mesh, ring, hybrid)
- Types of Networks (LAN, WAN, MAN)
- Networking Devices
- IPv4 Addressing
- IPv6 (Overview)
- Networking Protocols



DAY 2

Linux Basics

- Installing VMware
- History and Architecture of Linux
- Basic Commands in Linux
- Using Stream Redirection and Pipes
- Managing Files
- Using Network Troubleshooting commands and tools



DAY 3

Basics Of Security

- Introduction to security and Security Factors
- Understanding basic Security Terminologies
- Types of Hackers
- Security Policies
- Physical Security



DAY 4

Security

- Common Attacks
- Steps of Hacking (Information gathering, Scanning)
- Working with Nmap
- Explaining Threat Actors



DAY 3

Authentication Controls

- Implementing Network security appliances
- Access Controls
- Implementing secure network Protocols
- Questionnaire



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