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Microsoft Azure Security(SC-200)

Introduction to Cybersecurity

- The evolution of Cybersecurity
- Cybersecurity & situational awareness
- The Cybersecurity skills gap
- Difference between Information Security & Cybersecurity
- Cybersecurity objectives
- Cybersecurity Roles

Understanding Devices and Infrastructure

- Infrastructure Terminology
- Designing with Security in Mind
- Network Topology
- OSI Layers & TCP/IP Model
- IPv4 & IPv6
- Ports & protocols
- Port numbers
- Firewalls
- Network Topology
- VPNs and VPN Concentrators
- Intrusion Detection Systems
- Ports & protocols

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About the Program

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- Router
- Switch
- Proxy
- Load Balancer
- Access Point
- Network Access Control (NAC)
- Mail Gateway
- Bridge

Introduction to Ethical Hacking

- What is Ethical Hacking
- Types of Hackers
- Types of Hacking
- Phases of Ethical Hacking

Threats, Attacks, and Vulnerabilities

- Threat and Attack Terminology
- Malware and Crypto-Malware
- Miving in a World of Viruses
- Symptoms of a Virus Infection
- How Viruses Work
- Types of Viruses

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- Managing Spam to Avoid Viruses
- Antivirus Software
- Understanding Various Types of Application/Service Attacks
- Identifying Denial-of-Service and Distributed
- Denial-of-Service Attacks
- Man-in-the-Middle Attacks
- ARP Poisoning
- Man-in-the-Browser
- Zero-Day Exploits
- MAC and IP Spoofing Attacks
- OWASP TOP 10 (Web Application Attacks)
- Phishing
- Ransomware

Microsift Azure Security

- Mitigate threats using Microsoft 365 Defender
- Mitigate threats using Microsoft Defender for Endpoint
- Mitigate threats using Azure Defender
- Microsoft Sentinel Environment - Configuration
- Microsoft Sentinel Environment - Connecting Logs
- Microsoft Sentinel Incidents,Threat Environment - Response , UEBA and Monitoring
- Basic Perform Threat Hunting with Microsoft Sentinel

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Overview

- Define the capabilities of Microsoft Defender for Endpoint.
- Explain how Microsoft Defender for Endpoint can remediate risks in your environment.
- Create a Microsoft Defender for Endpoint environment
- Onboard devices to be monitored by Microsoft Defender for Endpoint
- Configure Microsoft Defender for Endpoint environment settings
- Investigate incidents in Microsoft Defender for Endpoint
- Investigate alerts in Microsoft Defender for Endpoint
- Perform advanced hunting in Microsoft Defender for Endpoint
- Configure alert settings in Microsoft Defender for Endpoint
- Manage indicators in Microsoft Defender for Endpoint
- Describe Threat and Vulnerability Management in Microsoft Defender for Endpoint
- Identify vulnerabilities on your devices with Microsoft Defender for Endpoint

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