KOENIG SOLUTIONS · COURSE OUTLINE

M98367A - Microsoft Security Fundamentals

Learn core security concepts covering authentication, network protection, security policies, and safeguarding servers and clients.

3 Days	5	29
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course is for anyone interested enhancing their fundamental understanding of security and computer networking related skills. You might already be working in IT or Cyber Security or completely new to the industry. Whilst knowledge of Security and Networking would be beneficial, it is not essential. This is an entry-level course so can be taken by anyone regardless of prior experience or skill level.

WHO THIS COURSE IS FOR

- **IT Professionals**
- **Security Analysts**
- **Network Administrators**
- **System Administrators**
- **IT Support Technicians**

LEARNING OBJECTIVES

- Explain core security principles and physical security concepts
- Apply threat modelling to identify potential risks
- Compare authentication, authorization and accounting mechanisms
- Configure NTFS permissions, shared folders and encryption
- Describe the role of IPsec, smart cards and biometrics
- Apply password policies to protect domain user accounts
- Identify network security methods including firewalls and isolation
- Configure Microsoft Defender, Microsoft Edge and security baselines

COURSE SYLLABUS

5 Modules, 29 Topics

01

Understanding Security Layers

TOPICS

- Introducing Core Security Principles
- Understanding Physical Security as the First Line of Defence
- Performing Threat Modelling

02

Understanding Authentication, Authorization and Accounting

TOPICS

- Starting Security with Authentication
- Introducing Directory Services with Active Directory
- Comparing Rights and Permissions
- Understanding NTFS
- Sharing Drives and Folders
- Introducing the Registry
- Using Encryption to Protect Data
- Understanding IPsec
- Introducing Smart Cards
- Configuring Biometrics, Microsoft Hello
- Using Auditing to Complete the Security Picture

03

Understanding Security Policies

TOPICS

Using Password Policies to Enhance Security · Protecting Domain User Account Passwords

04

Understanding Network Security

TOPICS

- Using Dedicated Firewalls to Protect a Network
- Using Isolation to Protect the Network
- Protecting Data with Protocol Security
- Understanding Denial-of-Service (DoS) Attacks
- Securing the Wireless Network

05

Protecting the Server and Client

TOPICS

- Protecting the Client Computer
- Managing Client Security Using Microsoft Defender
- Protecting Your Email
- Securing & Configuring Microsoft Edge
- Protecting Your Server
- Using Security Baselines
- Locking Down Devices to Run Only Trusted Applications
- Managing Microsoft Store Apps

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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