

KOENIG SOLUTIONS · COURSE OUTLINE

MS-500: Microsoft 365 Security Administration

Learn to secure Microsoft 365 identities, devices and data, and manage threat protection, information protection and compliance.

4 Days

32 HOURS

14

MODULES

59

TOPICS

27

HANDS-ON ACTIVITIES

COURSE OVERVIEW

The MS-500: Microsoft 365 Security Administration course is designed to provide comprehensive security administration training, enabling IT professionals to manage and secure Microsoft 365 enterprise environments. This course prepares learners for the ms-500 certification, highlighting the importance of Zero Trust Security principles, Identity and access management, Threat protection, Information protection, and Compliance features within Microsoft 365. Learners will gain hands-on experience through labs, enhancing their skills in configuring and managing Security and compliance solutions, responding to threats, and enforcing data governance. By mastering the content taught in the course, professionals will be equipped to implement and oversee Security and compliance solutions for Microsoft 365 and Hybrid environments, a crucial skill set for modern IT security administration roles.

WHO THIS COURSE IS FOR

The MS-500: Microsoft 365 Security Administration course is tailored for IT professionals seeking to secure Microsoft 365 enterprise environments.

IT Security Specialists

Systems Administrators

Network Administrators

IT Professionals with a focus on Microsoft 365

Cybersecurity Analysts

Security Engineers

Compliance Officers

Enterprise Architects

Technical Support Staff specializing in Microsoft 365

Identity and Access Management Consultants

Cloud Solutions Architects

Information Security Managers

IT Managers and Directors looking to implement or oversee Microsoft 365 security solutions

What You Will Learn

- Configure user accounts, security groups and Privileged Identity Management
- Implement Azure AD Connect for identity synchronization
- Apply conditional access and Role Based Access Control
- Evaluate security posture using Microsoft Secure Score
- Configure Exchange Online Protection and Advanced Threat Protection
- Investigate threats using Azure Sentinel and the Security dashboard
- Deploy Mobile Device and Application Management with Intune
- Implement Azure Information Protection and data loss prevention policies

COURSE SYLLABUS

14 Modules, 59 Topics

01

Activity

6 Activities

User and Group Protection

This module explains how to manage user accounts and groups in Microsoft 365. It introduces you to Privileged Identity Management in Azure AD as well as Identity Protection. The module sets the foundation for the remainder of the course.

LESSONS

- Identity and Access Management Concepts
- Zero Trust Security
- User Accounts in Microsoft 365
- Administrator Roles and Security Groups in Microsoft 365
- Password Management in Microsoft 365
- Azure AD Identity Protection

02

Activity

Identity Synchronization

This module explains concepts related to synchronizing identities for Microsoft 365. Specifically, it focuses on Azure AD Connect and managing directory synchronization to ensure the right people are connecting to your Microsoft 365 system.

LESSONS

Introduction to Identity Synchronization · Planning for Azure AD Connect · Implementing Azure AD Connect · Managing Synchronized Identities · Introduction to Federated Identities

03**2 Activities**

Access Management

This module explains conditional access for Microsoft 365 and how it can be used to control access to resources in your organization. The module also explains Role Based Access Control (RBAC) and solutions for external access.

LESSONS

Conditional access · Manage device access · Role Based Access Control (RBAC) · Solutions for external access

04**Activity**

Security in Microsoft 365

This module explains the various cyber-attack threats that exist. It then introduces you to the Microsoft solutions used to mitigate those threats. The module finishes with an explanation of Microsoft Secure Score and how it can be used to evaluate and report your organizations security posture.

LESSONS

Threat vectors and data breaches · Security strategy and principles · Security solutions in Microsoft 365 · Microsoft Secure Score

05**Activity**

Advanced Threat Protection

This module explains the various threat protection technologies and services available for Microsoft 365. The module covers message protection through Exchange Online Protection, Azure Advanced Threat Protection and Windows Defender Advanced Threat Protection.

LESSONS

Exchange Online Protection · Office 365 Advanced Threat Protection · Manage Safe Attachments · Manage Safe Links · Azure Advanced Threat Protection · Microsoft Defender Advanced Threat Protection

06**2 Activities**

Threat Management

This module explains Microsoft Threat Management which provides you with the tools to evaluate and address cyber threats and formulate responses. You will learn how to use the Security dashboard and Azure Sentinel for Microsoft 365. The module also explains and configures Microsoft Advanced Threat Analytics.

LESSONS

- Use the Security dashboard
- Microsoft 365 threat investigation and response
- Azure Sentinel for Microsoft 365
- Configuring Advanced Threat Analytics

07**3 Activities**

Mobility

This module focuses on securing mobile devices and applications. You will learn about Mobile Device Management and how it works with Microsoft Intune. You will also learn about how Intune and Azure AD can be used to secure mobile applications.

LESSONS

Plan for Mobile Application Management · Plan for Mobile Device Management · Deploy Mobile Device Management · Enroll Devices to Mobile Device Management

08**2 Activities**

Information Protection

The module explains how to implement Azure Information Protection and Windows Information Protection.

LESSONS

Information Protection Concepts · Azure Information Protection · Advanced Information Protection · Windows Information Protection

09**2 Activities**

Rights Management and Encryption

This module explains information rights management in Exchange and SharePoint. The module also describes encryption technologies used to secure messages.

LESSONS

Information Rights Management · Secure Multipurpose Internet Mail Extension · Office 365 Message Encryption

10**2 Activities**

Data Loss Prevention

This module focuses on data loss prevention in Microsoft 365. You will learn about how to create policies, edit rules, and customize user notifications to protect your data.

LESSONS

Data Loss Prevention Explained · Data Loss Prevention Policies · Custom DLP Policies · Creating a DLP Policy to Protect Documents · Policy Tips

11

Cloud Application Security

This module focuses on cloud application security in Microsoft 365. The module will explain cloud discovery, app connectors, policies, and alerts. You will learn how these features work to secure your cloud applications.

LESSONS

Cloud App Security Explained · Using Cloud Application Security Information

12

Compliance in Microsoft 365

This module focuses on data governance in Microsoft 365. The module will introduce you to Compliance Manager and discuss Global Data Protection Regulations (GDPR).

LESSONS

Plan for compliance requirements · Build ethical walls in Exchange Online · Manage Retention in Email · Troubleshoot Data Governance

13**2 Activities**

Archiving and Retention

This module explains concepts related to retention and archiving of data for Microsoft 365 including Exchange and SharePoint.

LESSONS

- Archiving in Microsoft 365
- Retention in Microsoft 365
- Retention policies in the Microsoft 365 Compliance Center
- Archiving and Retention in Exchange
- In-place Records Management in SharePoint

14**2 Activities**

Content Search and Investigation

This module focuses on content search and investigations. The module covers how to use eDiscovery to conduct advanced investigations of Microsoft 365 data. It also covers audit logs and discusses GDPR data subject requests.

LESSONS

Content Search · Audit Log Investigations · Advanced eDiscovery

Practise What You Learn

#	MODULE	ACTIVITY
01	User and Group Protection	Lab: Initialize your trial tenant: Set up your Microsoft 365 tenant LAB: CONFIGURE PRIVILEGED IDENTITY MANAGEMENT ■ Discover and Manage Azure Resources ■ Assign Directory Roles ■ Activate and Deactivate PIM Roles ■ Directory Roles (General) ■ PIM Resource Workflows ■ View audit history for Azure AD roles in PIM
02	Identity Synchronization	Lab: Implement Identity Synchronization: Set up your organization for identity synchronization
03	Access Management	LAB: USE CONDITIONAL ACCESS TO ENABLE MFA ■ MFA Authentication Pilot (require MFA for specific apps) ■ MFA Conditional Access (complete an MFA roll out)
04	Security in Microsoft 365	Lab: Use Microsoft Secure Score: Improve your secure score in the Microsoft 365 Security Center
05	Advanced Threat Protection	Lab: Manage Microsoft 365 Security Services: Implement ATP Policies
06	Threat Management	LAB: USING ATTACK SIMULATOR ■ Conduct a simulated Spear phishing attack ■ Conduct simulated password attacks
07	Mobility	LAB: CONFIGURE AZURE AD FOR INTUNE ■ Enable Device Management ■ Configure Azure AD for Intune ■ Create Intune Policies
08	Information Protection	LAB: IMPLEMENT AZURE INFORMATION PROTECTION AND WINDOWS INFORMATION PROTECTION ■ Implement Azure Information Protection ■ Implement Windows Information Protection
09	Rights Management and Encryption	LAB: CONFIGURE OFFICE 365 MESSAGE ENCRYPTION ■ Configure Office 365 Message Encryption ■ Validate Information Rights Management
10	Data Loss Prevention	LAB: IMPLEMENT DATA LOSS PREVENTION POLICIES ■ Manage DLP Policies ■ Test MRM and DLP Policies
13	Archiving and Retention	LAB: COMPLIANCE AND RETENTION ■ Initialize Compliance ■ Configure retention tags and policies

#	MODULE	ACTIVITY
14	Content Search and Investigation	LAB: MANAGE SEARCH AND INVESTIGATION - Investigate your Microsoft 365 Data - Conduct a Data Subject Request

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.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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