

KOENIG SOLUTIONS • COURSE OUTLINE

Planning for and Managing Devices in the Enterprise: Enterprise Mobility Suite (EMS) and On-Premises Tools

Learn to plan and manage enterprise devices using Azure AD, Microsoft Intune, Azure RMS and on-premises tools.

13

MODULES

39

TOPICS

41

HANDS-ON ACTIVITIES

COURSE OVERVIEW

This course covers managing devices in the enterprise, beginning with an overview of device management and the Enterprise Mobility Suite, then moving into implementing and administering Azure AD and connecting on-premises AD DS with Azure AD. It continues with managing devices in Office 365, planning and implementing Microsoft Intune, and using Intune to manage devices, applications and resource access. It also addresses protecting content with Azure RMS, supporting applications through RemoteApp and Azure RemoteApp, and planning remote access, Work Folders and cloud data access. The course concludes with Dynamic Access Control and auditing, data protection through encryption and BitLocker, and recovering data and operating systems on Windows 10 devices.

WHO THIS COURSE IS FOR

IT Administrators

Systems Administrators

Identity Administrators

Device Management Specialists

Security Administrators

LEARNING OBJECTIVES

- Describe device management features and the Enterprise Mobility Suite
- Implement and administer Azure AD for identity management
- Connect on-premises AD DS with Azure AD via sync or federation
- Configure mobile device management for Office 365
- Plan and implement Microsoft Intune for device management
- Apply Intune policies to manage applications and resource access
- Plan and implement Azure RMS to protect digital content
- Plan remote access options including Work Folders and cloud data access

13 Modules, 39 Topics

01

2 Activities

Using Devices in the Enterprise Environment

This is an overview module that introduces changes and challenges in today's typical workplace, and the solutions to address them. The intention of this module is to set the stage for later modules, and to introduce the Enterprise Mobility Suite.

TOPICS

Overview of devices in an enterprise · Device management features · Overview of the EMS

02

3 Activities

Implementing and Administering Azure AD

In this module students will learn how to manage devices in an on-premises Active Directory environment. They will learn about cloud identity, and the features that Azure AD provides. They also will learn about Azure AD offerings, how to create and manage an Azure AD tenant, and how claims-based authentication works.

TOPICS

Overview of AD DS · Overview of Azure AD · Creating and managing Azure AD · Managing authentication in Azure AD

03

3 Activities

Connecting AD DS with Azure AD

In this module students will learn how to connect their on-premises AD DS with Azure AD. They will learn about Azure AD Connect, and how either to synchronize entire identities to Azure AD, including password hashes, or to establish federation with Azure AD.

TOPICS

Preparing AD DS for directory synchronization · Implementing Azure AD Connect · Planning and implementing federation

04

2 Activities

Activity

Managing Devices in Office 365

In this module students will learn about Office 365 and its main features. The focus of this module is on device management by using mobile device management for Office 365.

TOPICS

Overview of Office 365 · MDM for Office 365

05**4 Activities**

Planning and Implementing Microsoft Intune

In this module students will learn how to plan for Microsoft Intune, how to deploy an Intune client, and how to perform basic Intune administration.

TOPICS

Planning for Intune · Deploying Intune clients · Basic Intune administration

06**2 Activities****2 Activities**

Managing Devices by Using Intune

In this module students will learn how to enroll and manage mobile devices with Intune, create, manage and deploy different types of Intune policies, and manage updates and Windows Defender by using Microsoft Intune.

TOPICS

Working with Microsoft Intune policies · Mobile device management · Managing updates and Windows Defender

07**Activity****2 Activities**

Using Microsoft Intune to Manage Applications and Resource Access

In this module students will learn how to manage application deployments by using Microsoft Intune. They will also learn how to deploy settings, such as VPN profiles, Wi-Fi profiles and certificates to Intune clients.

TOPICS

Application lifecycle management · Application deployment process · Managing access to company resources

08**2 Activities**

Planning and Implementing Azure RMS

In this module students will learn how to plan and implement Azure Rights Management to protect digital content. They also will learn which applications can integrate with Azure Rights Management, and how to use Azure Rights Management with Office 365 in an on-premises infrastructure.

TOPICS

Overview of Azure RMS · Implementing Azure RMS

09

2 Activities

Planning and Implementing App Support

In this module students will learn how they can mitigate compatibility issues between applications on the same device, and between the application and the operating system. They also will learn about RemoteApp and Azure RemoteApp programs, which enable you to run Windows apps on any device with the Remote Desktop Protocol (RDP) client.

TOPICS

- Planning and implementing application compatibility options
- Publishing and using RemoteApp programs
- Publishing and using Azure RemoteApp

10

2 Activities

3 Activities

Planning and Implementing Remote Access

In this module students will learn how to provide remote access from devices to a company network. They also will learn how to provide access to company infrastructure servers, data in work folders, and data that is stored in the cloud.

TOPICS

Overview of remote access solutions · Implementing remote infrastructure access · Planning and implementing Work Folders · Implementing cloud data access · Planning and implementing mobility options

11

4 Activities

Planning and Implementing Dynamic Access Control and Auditing

In this module students will learn how to implement Dynamic Access Control, and how to configure and use advanced auditing.

TOPICS

- Planning and implementing Dynamic Access Control
- Planning and deploying advanced audit policies

12

2 Activities

Planning and Protecting Data

In this module students will learn how to protect data on a device by using encryption or BitLocker. They will also learn about Enterprise Data Protection and how data can be remotely wiped if a device is lost or stolen.

TOPICS

Planning and implementing encryption · Planning and implementing BitLocker · Protecting data on devices

Recovering Data and Operating Systems

In this module students will learn how to plan and implement file recovery and device recovery of Windows 10 devices. They also will learn how to update a Windows 10 device, and learn about Windows Branch.

TOPICS

Planning and implementing file recovery · Planning and implementing device recovery · Planning and implementing updates

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
01	Using Devices in the Enterprise Environment	LAB : PLANNING FOR DEVICE MANAGEMENT ■ Selecting the appropriate products and technologies for device management ■ Working with mobile devices
02	Implementing and Administering Azure AD	LAB : WORKING WITH AZURE AD AND PROVIDING ACCESS TO CLAIMS-AWARE APPLICATIONS ■ Managing Azure AD users and groups ■ Joining a Windows 10 device to Azure AD ■ Accessing cloud applications with SSO
03	Connecting AD DS with Azure AD	LAB : SYNCHRONIZING ON-PREMISES AD DS WITH AZURE AD ■ Implementing Azure AD Connect ■ Verifying synchronization of new objects ■ Implementing and using Azure AD Premium features
04	Managing Devices in Office 365	LAB : MANAGING DEVICES IN OFFICE 365 (PART 1) ■ Obtaining an Office 365 subscription ■ Enabling MDM Lab : Managing devices in Office 365 (Part 2): Configuring and testing mobile device management in Office 365
05	Planning and Implementing Microsoft Intune	LAB : PLANNING AND IMPLEMENTING INTUNE ■ Deploying Intune clients and linking computers to users ■ Create Intune users ■ Delegating Intune permissions ■ Creating Intune groups

#	MODULE	ACTIVITY
06	Managing Devices by Using Intune	LAB : USING MICROSOFT INTUNE POLICIES TO MANAGE DEVICES ■ Configuring Azure AD with automatic mobile device management enrollment ■ Working with Microsoft Intune policies LAB : MANAGING UPDATES AND WINDOWS DEFENDER ■ Managing updates by using Intune ■ Managing Windows Defender by using Intune
07	Using Microsoft Intune to Manage Applications and Resource Access	Lab : Using Intune to deploy and monitor applications: Using Intune to deploy and monitor applications LAB : USING INTUNE TO MANAGE RESOURCE ACCESS ■ Configuring certificate deployment in Intune ■ Configuring conditional access policies
08	Planning and Implementing Azure RMS	LAB : USING AZURE RMS TO PROTECT DOCUMENTS AND DATA ■ Protecting documents with Azure RMS ■ Using FCI with Azure RMS
09	Planning and Implementing App Support	LAB : PUBLISHING AND USING REMOTEAPP AND AZURE REMOTEAPP ■ Publishing and accessing RemoteApp programs ■ Publishing and accessing Azure RemoteApp programs
10	Planning and Implementing Remote Access	LAB : CONFIGURING AND USING VPN AND WORK FOLDERS ■ Configuring a VPN server and a VPN client ■ Configuring and using Work Folders LAB : USING OFFLINE FILES AND ONEDRIVE ■ Configuring and using Offline Files ■ Synchronize settings between Windows 10 devices ■ Configuring and using OneDrive
11	Planning and Implementing Dynamic Access Control and Auditing	LAB : IMPLEMENTING SECURE DATA ACCESS ■ Preparing for Dynamic Access Control deployment ■ Implementing Dynamic Access Control ■ Validating and remediating Dynamic Access Control ■ Using advanced audit policies
12	Planning and Protecting Data	LAB : PROTECTING DATA BY USING ENCRYPTION AND BITLOCKER ■ Encrypting and recovering access to encrypted files ■ Using BitLocker to protect data
13	Recovering Data and Operating Systems	LAB : IMPLEMENTING FILE RECOVERY AND DEVICE RECOVERY ■ Using File History to recover files ■ Using Previous Versions to recover files ■ Recovering a device with a restore point ■ Using the advanced startup options to recover a device

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

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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