



Microsoft Endpoint Administrator

Exam Ref MD-102

Andrew Bettany
Andrew Warren

Exam Ref MD-102

Microsoft Endpoint Administrator

Andrew Bettany
Andrew Warren

Exam Ref MD-102 Microsoft Endpoint Administrator

Table of Contents

Cover

Title Page

Copyright Page

Contents at a glance

Table of Contents

Introduction

- Organization of this book

- Preparing for the exam

- Microsoft certifications

- Access the exam updates chapter and online references

- Errata, updates & book support

- Stay in touch

Chapter 1 Deploy Windows client

- Skill 1.1: Prepare for a Windows client deployment

 - Select a deployment tool based on requirements

 - Choose between migrate and rebuild

 - Choose an imaging and/or provisioning strategy

 - Select a Windows edition based on requirements

 - Plan upgrade and downgrade paths

 - Implement subscription-based activation

 - Windows 11 Enterprise Subscription Activation

- Skill 1.2: Plan and implement a Windows client deployment by using

Table of Contents

Windows Autopilot

- Configure device registration for Autopilot
- Windows Autopilot deployment scenarios
- Windows Autopilot requirements
- Create, validate, and assign deployment profiles
- Set up the Enrolment Status Page
- Deploy Windows devices by using Autopilot
- Troubleshoot an Autopilot deployment

Skill 1.3: Plan and implement a Windows client deployment by using MDT

- Plan and implement an MDT deployment infrastructure
- Create and manage images
- Monitor and troubleshoot a deployment
- Plan and configure user state migration

Skill 1.4: Configure remote management

- Configure Remote Help in Intune
- Configure Remote Desktop on a Windows client
- Configure the Windows Admin Center
- Configure PowerShell remoting and Windows Remote Management (WinRM)

Chapter summary

Thought experiment

- Scenario 1
- Scenario 2
- Scenario 3
- Scenario 4

Thought experiment answers

- Scenario 1
- Scenario 2
- Scenario 3

Table of Contents

Scenario 4

Chapter 2 Manage identity and compliance

Skill 2.1: Manage identity

Overview of identity solutions

Implement user authentication on Windows devices, including Windows Hello for Business, passwordless, and tokens

Manage RBAC for Intune

Register devices in and join devices to Azure AD

Implement the Intune Connector for Active Directory

Manage the membership of local groups on Windows devices

Implement and manage LAPS for Azure AD

Skill 2.2: Implement compliance policies for all supported device platforms by using Intune

Specify compliance policies to meet requirements

Manage notifications for compliance policies

Implement device compliance policies

Monitor device compliance

Troubleshoot compliance policies

Implement Conditional Access policies that require a compliance status

Chapter summary

Thought experiment

Scenario 1

Scenario 2

Thought experiment answers

Scenario 1

Scenario 2

Chapter 3 Manage, maintain, and protect devices

Skill 3.1: Manage the device lifecycle in Intune

Table of Contents

Configure enrollment settings in Microsoft Intune

Configure automatic and bulk enrollment

Enroll devices

Configure policy sets

Restart, retire, or wipe devices

Skill 3.2: Manage device configuration for all supported device platforms by using Intune

Specify configuration profiles to meet requirements

Implement configuration profiles

Monitor and troubleshoot configuration profiles

Configure and implement Windows kiosk mode

Configure and implement profiles on Android devices

Plan and implement Microsoft Tunnel for Intune

Skill 3.3: Monitor devices

Monitor devices by using Intune

Monitor devices by using Azure Monitor

Analyze and respond to issues identified in Endpoint analytics and Adoption Score

Skill 3.4: Manage device updates for all supported device platforms by using Intune

Plan for device updates

Create and manage update rings by using Intune

Configure Windows client delivery optimization by using Intune

Create and manage update policies by using Intune

Manage Android updates by using configuration profiles

Monitor updates

Troubleshoot updates in Intune

Skill 3.5: Implement endpoint protection for all supported device platforms

Create and manage configuration policies for Endpoint security

Implement and manage security baselines in Microsoft Intune

Table of Contents

- Onboard devices to Defender for Endpoint
- Implement automated response capabilities in Defender for Endpoint
- Review and respond to device issues identified in the Microsoft Defender
Vulnerability Management dashboard

Chapter summary

Thought experiment

- Scenario 1
- Scenario 2
- Scenario 3
- Scenario 4

Thought experiment answers

- Scenario 1
- Scenario 2
- Scenario 3
- Scenario 4

Chapter 4 Manage applications

Skill 4.1: Deploy and update apps for all supported device platforms

- Deploy apps by using Intune
- Configure Microsoft 365 Apps deployment by using the Microsoft Office
Deployment Tool or Office Customization Tool (OCT)
- Manage Microsoft 365 Apps by using the Microsoft 365 Apps admin center
- Deploy Microsoft 365 Apps by using Intune
- Configure policies for Office apps by using Group Policy or Intune
- Deploy apps to platform-specific app stores by using Intune
- Enable sideloading of apps

Skill 4.2: Plan and implement app protection and app configuration policies

- Plan and Implement App Protection policies for iOS and Android
- Manage App Protection policies
- Implement Conditional Access policies for app protection policies

Table of Contents

To create a Conditional Access policy

Plan and implement app configuration policies for managed apps and managed devices

Manage App Configuration policies

Chapter summary

Thought experiment

Scenario 1

Scenario 2

Thought experiment answers

Scenario 1

Scenario 2

Chapter 5 MD-102 Endpoint Administrator exam updates

The purpose of this chapter

About possible exam updates

Impact on you and your study plan

Exam objective updates

Updated technical content

Objective mapping

Index