MD-101: Managing Modern Desktops

Course Overview

This course gets into managing modern desktops. Topics covered include planning a Windows 10 deployment, Windows 10 installation options, Windows Update as a service, user and device profiles, device enrollment with Intune and Azure, managing applications, Azure AD identity management, implementing compliance and device authentication, and implementing Windows 10 security.

Course Introduction 2m
Course Introduction

Chapter 1 - The Desktop Lifecycle 23m
The Enterprise Desktop Life-cycle Model
Planning and Potential Cost
Building a Desktop Deployment Strategy
Operation and Support
Upgrading and Retirement
Windows Store and Windows Store for Business
Demo - The Windows Store and Windows Store for Business

Chapter 2 - Deployment and Assessment Tools 1h 25m
Deployment Planning and Readiness Tools
Application Compatibility Tools and Workarounds
Demo - Application Compatibility Toolkit
Deployment Tools for Windows 10
Overview of the Microsoft Deployment Toolkit
Demo - Setting up MDT
Demo - Setting up MDT
Tools Used with Traditional Imaging
System Center Configuration Manager Overview
Co-Management with SCCM and Intune
Understanding Installation Types
WDS Role in Server Manager
Demo - LTI Thin Image Install using WDS

Chapter 3 - Upgrading to Windows 10 1h 4m
Windows 10 Installation Methods
Deploying Windows 10
Intro to Windows Autopilot
Windows Autopilot Deployment
Windows Autopilot Deployment
Demo - Creating a Windows Autopilot Deployment Profile
Demo - Installing Windows 10 (High Touch Installation)

Demo - Using DISM (Creating a Capture Image)
Demo - Using DISM (Creating a Capture Image)
In-place Upgrades
Supported Upgrade Paths
Performing a Windows 10 In-place Upgrade
Demo - Performing a Windows 10 In-place Upgrade

Chapter 4 - Migrating to Windows 10 20m
Migration Considerations
USMT
USMT Migration Rules
Demo - Migrating User State with USMT
User State
User Experience Virtualization (UE-V)
Azure Enterprise State Roaming
Demo - Azure RMS

Chapter 5 - Post Deployment and Activation 23m
Windows 10 Activation
Windows Configuration Designer
Demo - Windows Configuration Designer
Demo - Windows Configuration Designer
MDM Auto Enrollment with Azure AD Join

Chapter 6 - Windows 10 Updates 48m
Windows 10 Servicing Channels
Windows 10 Servicing Options Deployment Rings
Demo - Windows 10 Servicing Options Deployment Rings
Applying Updates to Windows 10
Windows Update Settings
Demo - Windows Update Settings
Using a WSUS Server to Deploy Updates
Demo - WSUS
Group Policy Settings for Configuring Windows Update
Overview of Windows Insider Program

Chapter 7 - Updates for Business 17m
What is Windows 10 Update for Business?
Configuring Windows 10 Update for Business
Configuring Windows Update for Business with Group Policy
Demo - Configuring Windows Update for Business with Group Policy
Using Intune to Configure Windows Update for Business
Overview of Desktop Analytics
Desktop Analytics Compatibility Assessment

Chapter 8 - Device Profiles 14m
Profile Types for Devices
Intune Device Profile Types
Custom Device Profiles

Demo - Creating a Profile for a Kiosk
Using Microsoft Intune to Monitor Device Profiles

Chapter 9 - User Profiles 50m
What is a User Profile
What is a User Profile
Profile Types for Users
Profile Extension for each Windows Version
Configuring Folder Redirection
Demo - Creating a Roaming Profile
Demo - Folder Redirection

Chapter 10 - Azure AD 20m
Overview of Azure AD
Characteristics of AD DS
Characteristics of Azure AD
Compare Azure AD and AD DS
Azure AD Premium P1&P2
What is Azure AD Domain Services?

Chapter 11 - Azure AD Identities 38m
Creating and Managing Azure AD Users
Creating and Managing Azure AD Groups
User Accounts in Azure AD
User Roles and RBAC in Azure AD
Demo - Creating an Azure AD User
Demo - Using RBAC to Assign a Role in Azure AD
Using Windows PowerShell Cmdlets for Azure AD Objects
Creating Users by Using Bulk Import
Using AD Connect to Synchronize from AD DS to Azure AD

Chapter 12 - Azure Identity Protection 26m
Windows Hello for Business Deployment and Management
Biometric Sign-in
Azure AD Identity Protection Overview
Azure AD Self-Service Password Reset
Implementing MFA (Multi-Factor Authentication) in Azure AD
Demo - Enable MFA for a Single Azure AD User
Demo - Azure AD Self-Service Password Reset

Chapter 13 - Device Management and Enrollment 32m
Modern Management
Define an Integration Strategy
Co-Management Overview
Co-Management Requirements
Overview of Migrating Group Policy to (MDM) Mobile Device Management
Overview of MDM Migration Analysis Tool (MMAT)
Demo - MMAT

Chapter 14 - Intune Device Enrollment and Inventory 56m

Managing Mobile Devices with Intune
Device Management Lifecycle
Activating MDM Services
Intune Company Portal
Supported Devices
Deploying MDM Services
Overview of Enrolling Windows 10 Devices in Intune
Overview of Enrolling Android Devices to Intune
Overview of Enrolling iOS Devices to Intune
Overview of Intune Enrollment Rules
Managing Corporate Enrollment Policy with Intune
Demo - Integrate Azure and Intune in the Enrollment Process
Device and Application Reporting

Chapter 15 - Device Authentication, Intune Compliance, and Conditional Access 49m

What is Azure AD Join?
Prerequisites for Azure AD Join
How to Join Devices to Azure AD
Managing Azure AD Devices
Manage and Monitor Devices Enrolled in Intune
Intune Compliance Policy for Devices
Using Intune to Deploy a Compliance Policy
Creating and Managing Conditional Access Policies
Monitoring Compliance Policies and Conditional Access
How to Monitor Conditional Access
Demo - Creating a Compliance Policy and a Device Configuration Profile

Chapter 16 - Accessing Resources and Access Services 58m

Overview of VPNs
VPN Protocols
Built-in VPN Client
IPSec (IP Security)
Always on VPN
Demo - Creating a VPN
Demo - IPSEC

Chapter 17 - Application Management and Inventory 44m

Types of Apps for Windows 10
What is Mobile Application Management (MAM)
Overview of Applications in MAM
Overview of Configuration Manager for (MAM)
Configuring and Managing MAM Policies in Intune
Demo - How to Create and Assign App Protection Policies
Implementing and Managing Apps with Intune
App Management for Non-Enrolled Devices
Office 365 ProPlus Deployment with Intune
Demo - How to Inventory Apps in Intune

Chapter 18 - Application Deployment 40m

Microsoft Intune App Lifecycle
How to Deploy Applications with Intune
How to Deploy Applications with Group Policy
How to Deploy Apps with SCCM
Demo - Group Policy App Deployments
Demo - Intune App Deployments
Overview of the Microsoft Store for Business
Requirements for Using Microsoft Store for Business
Demo - Microsoft Store for Business

Chapter 19 - Data Protection 47m

What is Windows Information Protection?
Planning Windows Information Protection
Windows Information Protection Policies and Usage
What is EFS (Encrypted File System)?
Demo - EFS
What is Bitlocker?
Comparing BitLocker and EFS
Demo - Bitlocker
What is BitLocker To Go?
Microsoft BitLocker Administration and Monitoring
Overview of Azure Information Protection
Configuring AIP Labels and AIP Policies

Chapter 20 - Windows Defender ATP 48m

An Overview of Windows Defender
Overview Windows Defender Application Guard
Overview of Windows Defender Exploit Guard in Windows 10
Overview of Windows Defender System Guard in Windows 10
Overview of the Windows Security Center
Overview of Windows Defender Credential Guard and How to Implement
Using Windows Defender Antivirus
Demo - Quick Scan Windows Defender Antivirus
Implementing Windows Defender Firewall
Implementing Windows Defender Firewall with Advanced Security
Connection Security Rules
Demo - Windows Defender Advanced Firewall

Total Duration: 13h 25m