
Managing Modern Desktops and Devices (MD-101)

(5 Day)

In this course, you'll learn to plan and implement an operating system deployment strategy. This course will help you understand the various methods available, the scenarios they're suited for, as well as how to deploy Windows using modern methods. This course will also cover planning and implementing an update strategy for Windows. You will be introduced to key components of modern management and co-management strategies. You'll examine what it takes to incorporate Microsoft Intune into your organization and how to use it to manage modern desktops and devices. You'll also learn about methods for deployment and management of apps and browser-based applications. You will also be introduced to the key concepts of security in modern management. This course covers authentication, identities, and access, as well as about how to protect these categories. The student will be introduced to Azure Active Directory and learn how to use Microsoft Intune to protect devices and data with compliance policies. Finally, this course will cover key capabilities of Azure Information Protection and Windows Defender Advanced Threat Protection and how to implement these capabilities.

Skills Gained

- Develop an Operating System deployment and upgrade strategy
- Understand the different methods of deployment.
- Understand which scenarios on-premise and cloud-based solutions can be used for.
- Deploy and migrate desktops to Windows 10.
- Plan and configure Windows Update policies.
- Understand the benefits and methods of co-management strategies.
- Configuring Intune
- Enroll devices in Intune and configure device policies
- Manage user profiles and folder redirection
- Plan a mobile application management strategy
- Manage and deploy apps, including Office 365 ProPlus and Internet Explorer settings
- Describe the benefits and capabilities of Azure AD.
- Manage users using Azure AD with Active Directory DS.
- Implement Windows Hello for Business.
- Configure conditional access rules based on compliance policies.
- Describe the various tools used to secure devices and data.
- Implement Windows Defender Advanced Threat Protection.

Who Can Benefit

The Modern Desktop Administrator deploys, configures, secures, manages, and monitors devices and client applications in an enterprise environment. Responsibilities include managing identity, access, policies, updates, and apps. The MDA collaborates with the M365 Enterprise Administrator to design and implement a device strategy that meets the business needs of a modern organization.

Prerequisites

The Modern Desktop Administrator must be familiar with M365 workloads and must have strong skills and experience of deploying, configuring, and maintaining Windows 10 and non-Windows devices. The MDA role focuses on cloud services rather than on-premises management technologies.

Course Outline

Module 1: Planning an Operating System Deployment Strategy

- The Enterprise Desktop
- Assessing Deployment Readiness
- Deployment Tools & Strategies
- Lab : Practice Lab - Planning Windows 10 deployment

Module 2: Implementing Windows 10

- Upgrading Devices to Windows 10
- Deploying New Devices and Refreshing
- Migrating Devices to Windows 10
- Alternate Deployment Methods
- Imaging Considerations
- Lab : Practice Lab - Implementing Windows 10
- Creating and deploying provisioning package
- Migrating user settings
- Deploying Windows 10 with AutoPilot

Module 3: Managing Updates for Windows 10

- Updating Windows 10
- Windows Update for Business
- Introduction to Windows Analytics
- Lab : Practice Lab - Managing Updates for Windows 10

Module 4: Device Enrollment

- Device management options
- Microsoft Intune Overview
- Manage Intune device enrollment and inventory
- Managing devices with Intune
- Lab : Practice Lab - Device Enrollment and Management

Module 5: Configuring Profiles

- Configuring device profiles
- Managing user profiles
- Monitoring devices
- Lab : Practice Lab - Managing profiles

Module 6: Application Management

- Implement Mobile Application Management (MAM)
- Deploying and updating applications
- Administering applications
- Lab : Practice Lab - Managing Applications

Module 7: Managing Authentication in Azure AD

- Azure AD Overview
- Managing identities in Azure AD
- Protecting identities in Azure AD
- Managing device authentication
- Lab : Practice Lab - Managing objects and authentication in Azure AD

Module 8: Managing Device Access and Compliance

- Microsoft Intune Overview
- Implement device compliance policies
- Lab : Practice Lab - Managing Access and Compliance

Module 9: Managing Security

- Implement device data protection
- Managing Windows Defender ATP
- Managing Windows Defender in Windows 10
- Lab : Practice Lab - Managing Security in Windows 10