



Microsoft 365

MD-101: Managing Modern Desktops

\$2,995.00

- 5 Days

Upcoming Dates

Dec 09 - Dec 13

Mar 30 - Apr 03

Jun 08 - Jun 12

Course Description

Days 1-2: Deploying the Modern Desktop (MD-101T01-A)

As desktops have evolved, so have methods for deploying and updating them. In this course, you'll learn how 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.

Day 3-4: Managing Modern Desktops and Devices (MD-101T02-A)

As demand for organizations to enable workforces to be more mobile, a desktop administrator's role is really no longer about just "desktop" management. With BYOD becoming commonplace and the need for employees to access line of business apps on personal devices, the scope of desktop administration must include both desktop and mobile devices, regardless of ownership. During this course, you'll 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.

Day 5: Protecting Modern Desktops and Devices (Course MD-101T03-A)

Every day, more organizations are asking IT to support mobility in the workforce. Modern environments require the Desktop Administrator be able to manage and support phones, tablets, and computers, whether it be owned by the organization or personally owned by the employee. At the same time, IT must still be able to protect the data that these devices access. In this course, the student will 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.

Course Outline

Days 1-2: Deploying the Modern Desktop (MD-101T01-A)

Module 1: Planning an Operating System Deployment Strategy

This module explains how to plan and implement a deployment strategy. It covers various methods and scenarios for deploying Windows. It discusses on-premise and cloud technologies as well as considerations for new deployments, upgrading, and migrations.

Lessons

- Overview of Windows as a service
- Windows 10 Deployment options
- Considerations for Windows 10 deployment

Lab : Practice Lab - Planning Windows 10 deployment

After completing this module, students will be able to:

- Describe Windows as a Service.
- Describe the different methods for deployment.
- Understand the differences between on-premise and cloud-based solutions.
- Describe methods of dynamic provisioning.
- Describe the different tools available in the Windows Assessment and Deployment Kit.
- Describe the scenarios and limitations for in-place upgrades and migrations.

Module 2: Implementing Windows 10

This module covers new modern methods for deploying Windows 10 such as Windows Autopilot and provisioning packages. This module also covers tool used in upgrade planning, application compatibility and migration methods.

Lessons

- Implementing Windows 10 by using dynamic deployment
- Implementing Windows 10 by using Windows Autopilot
- Upgrading devices to Windows 10

Lab : Practice Lab - Implementing Windows 10

- Creating and deploying provisioning package
- Migrating user settings
- Deploying Windows 10 with AutoPilot

After completing this course, learners should be able to:

- 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.

Module 3: Managing Updates for Windows 10

This module covers managing updates to Windows. This module introduces the servicing options for Windows 10. Students will learn the different methods for deploying updates and how to configure windows update policies.

Lessons

- Implementing Windows 10 by using dynamic deployment
- Implementing Windows 10 by using Windows Autopilot
- Upgrading devices to Windows 10

Lab : Practice Lab - Managing Updates for Windows 10

- Manually configuring Windows Update settings
- Configuring Windows Update by using GPOs

After completing this module, students will be able to:

- Describe the Windows 10 servicing channels.
- Configure a Windows update policy using Group Policy settings.

- Configure Windows Update for Business to deploy OS updates.
- Use Windows Analytics to assess upgrade readiness and update compliance.

Module 4: Course Conclusion

Lessons

- Final Exam

Lab : Graded Lab

After completing this module, students will be able to:

- Create a provisioning package.
- Configure an Autopilot deployment.
- Describe the tools used for planning upgrades and migrations.
- Describe the methods used to migrate user data.

Day 3-4: Managing Modern Desktops and Devices (MD-101T02-A)

Course Outline

Module 1: Device Enrollment

In this module, students will examine the benefits and prerequisites for co-management and learn how to plan for it. This module will also cover Azure AD join and will be introduced to Microsoft Intune, as well as learn how to configure policies for enrolling devices. The module will conclude with an overview of device inventory in Intune and reporting using the Intune console, Power BI and Microsoft Graph.

Lessons

- Device management options
- Manage Intune device enrollment and inventory

Lab : Practice Lab - Device Enrollment and Management

- Installing the MDM Migration Analysis Tool (MMAT)
- Obtain Intune and Azure AD Premium licenses and enable device management
- Enrolling devices in Intune
- Managing devices in Intune
- Creating device inventory reports

After completing this module, students will be able to:

- Describe benefits and methods for migrating to co-management.
- Deploy an MDM with Microsoft Intune.
- Configure device enrollment.
- Enroll desktop and mobile devices in Windows Intune.
- Configure and download inventory reports.

Module 2: Configuring Profiles

This module dives deeper into Intune device profiles including the types of device profiles and the difference between built-in and custom profiles. The student will learn about assigning profiles to Azure AD groups and monitoring devices and profiles in Intune. The module will conclude with an overview of using Windows Analytics for health and compliance reporting.

Lessons

- Configuring device profiles
- Managing user profiles
- Monitoring devices

Lab : Practice Lab - Managing profiles

- Configuring roaming user profiles and Folder Redirection
- Create and deploy device profile based on the scenario
- Change deployed policy and monitor user and device activity
- Configuring Enterprise State Roaming

After completing this module, students will be able to:

- Describe the types of device profiles.
- Create and assign device profiles.
- Configure user profile and folder redirection.
- Monitor and report on devices using Intune and Windows Analytics.

Module 3: Application Management

In this module, students learn about application management on-premise and cloud-based solutions. This module will cover how to manage Office 365 ProPlus deployments in Intune as well as how to manage apps on non-enrolled devices. The module will conclude with an overview of Enterprise Mode with Internet Explorer and Microsoft Edge and tracking your installed applications, licenses, and assigned apps using Intune.