

**40 HORAS****MD-100T01-A: Installing Windows 10****INTRODUCTION**

In this course, students will learn how to support the installation tasks associated with Windows 10. Students will develop skills that include learning how to install and customize Windows 10 operating systems. Students will also learn about the new Windows servicing model and methods for keeping Windows up to date. The course will conclude with common post-installation tasks.

**AUDIENCE**

Candidates for this exam are IT professionals who perform installation, configuration, general local management and maintenance of Windows 10 core services. Candidates may also be familiar with enterprise scenarios and cloud-integrated services.

**AT COURSE COMPLETION**

After completing this course, students will be able to:

- Prepare to install Windows 10.
- Install Windows 10.
- Configure Updates for Windows.
- Perform post-installation configuration tasks.

**PREREQUISITES**

Before attending this course, students must have:

- Basic understanding of computer networks and hardware concepts.
- Basic understanding of OS and Application concepts.
- Experience with using the Windows OS.

**COURSE OUTLINE****Module 1: Installing Windows**

- Introducing Windows 10
- Installation Options
- Requirements for Windows Features
- Installation Process and Media
- Upgrading to Windows 10

**Module 2: Updating Windows**

- Windows Servicing Model
- Updating Windows
- Applying Applications and Windows Updates

**Module 3: Post-installation Configuration and Personalization**

- Customize the Windows 10 UI.
- Configure device specific settings such as power plans and mobile device options.
- Use the Windows control panel and setting app to configure settings.
- Describe using Windows PowerShell.

**Module 4: Course Conclusion**

- Final Exam

**MD-100T02-A: Configuring Windows 10****INTRODUCTION**

In this course, students will learn how to support the configuration tasks associated with Windows 10. Students will develop skills that include managing storage, files, drivers, and printers as well as how to configure network connectivity for Windows 10. This course will also cover managing and deploying applications.

**AT COURSE COMPLETION**

After completing this course, students will be able to:

- Configure devices and drivers for Windows.
- Configure storage for Windows.
- Configure network settings in Windows.
- Configure remote management of Windows.
- Configure and manage applications in Windows.
- Configure Internet Explorer.

**COURSE OUTLINE****Module 1: Configuring Peripherals and Drivers**

- Managing Devices and Drivers
- Managing Printers

**Module 2: Configuring Networking**

- Configure IP Network Connectivity
- Implement Name Resolution
- Implement Wireless Network Connectivity
- Remote Access Overview
- Remote Management

**Module 3: Configuring Storage**

- Overview of storage options
- Using OneDrive
- Managing Disks, Partitions, and Volumes

- Maintaining Disks and Volumes
- Managing Storage Spaces

### Module 4: Managing Apps in Windows 10

- Providing Apps to Users
- Managing Universal Windows Apps
- The Windows Store
- Web browsers in Windows 10

### Module 5: Course Conclusion

- Final Exam

## MD-100T03-A: Protecting Windows 10

### INTRODUCTION

In this course, students will learn how to secure the Windows 10 OS and protect the data on the device. Students will be introduced to common methods used for authentication and access control. This course will teach how to configure file and folder permissions and creating security policies. Students will also be introduced to the different types of external threats and how to leverage features like encryption and firewalls, as well as tools like Windows Defender.

### AT COURSE COMPLETION

After completing this course, students will be able to:

- Describe the methods for securing Windows 10.
- Configure account access and authentication.
- Configure file and folder permissions.
- Create security policies.
- Describe common threats and methods for mitigating against them.

### COURSE OUTLINE

#### Module 1: Configuring Authorization & Authentication

- Using Security Settings to Mitigate Threats
- Configuring User Account Control
- Implementing Device Registration
- Authentication

#### Module 2: Configuring Data Access and Usage

- Overview of File Systems
- Configuring and Managing File Access
- Configuring and Managing Shared Folders
- Managing Security with Policies

#### Module 3: Configuring Threat Protection

- Malware and Threat Protection

- Windows Defender
- Connection Security Rules
- Advanced Protection Methods

### Module 4: Course Conclusion

- Final Exam

## MD-100T04-A: Maintaining Windows 10

### INTRODUCTION

In this course, students will learn how to manage and troubleshoot Windows 10. This course will deep-dive into the architecture and tools used for managing, monitoring, and troubleshooting the OS, Apps, and hardware. Students will learn about proactive and troubleshooting methodology, and how to identify and mitigate common issues.

### AT COURSE COMPLETION

After completing this course, students will be able to:

- Use Windows troubleshooting and monitoring tools.
- Troubleshoot Windows installations.
- Troubleshoot application installation issues.
- Troubleshoot web browser settings.
- Troubleshoot Windows authentication.
- Troubleshoot hardware issues related to Windows machines.

### COURSE OUTLINE

#### Module 1: Supporting the Windows 10 Environment

- Troubleshooting Windows
- Troubleshooting Tools

#### Module 2: Troubleshooting the Windows OS

- Troubleshooting Windows Startup
- Troubleshooting Operating System Service Issues
- Troubleshooting Sign-In Issues

#### Module 3: Troubleshooting Files & Applications

- File Recovery in Windows 10
- Application Troubleshooting

#### Module 4: Troubleshooting Hardware and Drivers

- Troubleshooting Device Driver Failures
- Overview of Hardware Troubleshooting
- Troubleshooting Physical Failures

### Module 5: Course Conclusion

- Final Exam