

# MOC20697-2

## Deploying and Managing Windows 10 Using Enterprise Services

### Module 1: Deploying Windows 10 Enterprise Desktops Lessons

- ✓ Overview of Windows 10 Enterprise Deployment
- ✓ Customizing Enterprise Desktop Deployments
- ✓ Deploying Windows 10 by Using MDT
- ✓ Maintaining a Windows 10 Installation
- ✓ Volume License Activation for Windows 10

### Lab : Building a Reference Image by Using Windows Assessment and Deployment Kit (ADK) Tools

- ✓ Configuring Custom Windows PE Boot Media
- ✓ Creating a Custom Answer File by Using Windows SIM
- ✓ Installing a Reference Computer by Using an Answer File
- ✓ Preparing a Reference Computer by Using Sysprep
- ✓ Capturing a Reference Computer
- ✓ Creating and Configuring an MDT Deployment Share
- ✓ Creating a Task Sequence
- ✓ Deploying a Windows 10 Image by Using MDT
- ✓ Creating and Configuring a Windows ICD Provisioning Package
- ✓ Configuring Custom Windows PE Boot Media
- ✓ Modifying a Custom Answer File by Using Windows SIM
- ✓ Installing a Reference Computer by Using an Answer File
- ✓ Preparing a Reference Computer by Using Sysprep
- ✓ Capturing a Reference Computer
- ✓ Creating and Configuring the MDT Deployment Share
- ✓ Creating a Task Sequence
- ✓ Deploying a Windows 10 Image by Using MDT
- ✓ Creating and Configuring a Windows ICD Provisioning Package

### Lab : Using MDT to Deploy Windows 10 Desktops

- ✓ Configuring Custom Windows PE Boot Media
- ✓ Creating a Custom Answer File by Using Windows SIM
- ✓ Installing a Reference Computer by Using an Answer File
- ✓ Preparing a Reference Computer by Using Sysprep
- ✓ Capturing a Reference Computer
- ✓ Creating and Configuring an MDT Deployment Share
- ✓ Creating a Task Sequence
- ✓ Deploying a Windows 10 Image by Using MDT
- ✓ Creating and Configuring a Windows ICD Provisioning Package
- ✓ Configuring Custom Windows PE Boot Media
- ✓ Modifying a Custom Answer File by Using Windows SIM
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- ✓ Deploying a Windows 10 Image by Using MDT
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#### Lab : Maintaining a Windows 10 Installation by Using Windows ICD

- ✓ Configuring Custom Windows PE Boot Media
- ✓ Creating a Custom Answer File by Using Windows SIM
- ✓ Installing a Reference Computer by Using an Answer File
- ✓ Preparing a Reference Computer by Using Sysprep
- ✓ Capturing a Reference Computer
- ✓ Creating and Configuring an MDT Deployment Share
- ✓ Creating a Task Sequence
- ✓ Deploying a Windows 10 Image by Using MDT
- ✓ Creating and Configuring a Windows ICD Provisioning Package
- ✓ Configuring Custom Windows PE Boot Media
- ✓ Modifying a Custom Answer File by Using Windows SIM
- ✓ Installing a Reference Computer by Using an Answer File
- ✓ Preparing a Reference Computer by Using Sysprep
- ✓ Capturing a Reference Computer
- ✓ Creating and Configuring the MDT Deployment Share
- ✓ Creating a Task Sequence
- ✓ Deploying a Windows 10 Image by Using MDT
- ✓ Creating and Configuring a Windows ICD Provisioning Package
- ✓ After completing this module, students will be able to:
- ✓ Describe the Windows 10 enterprise deployment process.
- ✓ Customize enterprise desktop deployments.
- ✓ Deploy Windows 10 by using MDT.
- ✓ Maintain a Windows 10 installation.
- ✓ Manage volume license activation for Windows 10.

#### Module 2: Managing Desktop and Application Settings by Using Group Policy

##### Lessons

- ✓ Managing Group Policy Objects
- ✓ Configuring Enterprise Desktops by Using Group Policy
- ✓ Overview of Group Policy Preferences

##### Lab : Configuring Group Policy Objects and Settings

- ✓ Managing Windows 10 by Using Group Policy
- ✓ Configuring Group Policy Preferences to Apply Drive and Printer Mapping
- ✓ Managing Windows 10 by Using Group Policy
- ✓ Configuring Group Policy Preferences to Apply Drive and Printer Mapping

##### Lab : Using Group Policy Preferences to Manage Desktop Settings

- ✓ Managing Windows 10 by Using Group Policy
- ✓ Configuring Group Policy Preferences to Apply Drive and Printer Mapping
- ✓ Managing Windows 10 by Using Group Policy
- ✓ Configuring Group Policy Preferences to Apply Drive and

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### Printer Mapping

- ✓ After completing this module, students will be able to:
- ✓ Describe Group Policy processing and management.
- ✓ Configure common settings to users and desktops by using Group Policy.
- ✓ Manage settings using Group Policy preferences.

## Module 3: Managing Remote Access Solutions

### Lessons

- ✓ Overview of Remote Access Solutions
- ✓ Supporting DirectAccess with Windows 10
- ✓ Configuring VPN Access to Remote Networks
- ✓ Supporting RemoteApp

### Lab : Configuring Microsoft Azure RemoteApp

- ✓ Configuring the DirectAccess Server
- ✓ Configuring the DirectAccess Clients
- ✓ Validating Remote Connectivity
- ✓ Creating a RemoteApp Collection
- ✓ Publishing an Application by Using Azure RemoteApp
- ✓ Validating Remote Connectivity
- ✓ Configuring the DirectAccess Server
- ✓ Configuring the DirectAccess Clients
- ✓ Validating Remote Connectivity
- ✓ Creating a RemoteApp Collection
- ✓ Publishing an Application Using Azure RemoteApp
- ✓ Validating Remote Connectivity

### Lab : Implementing DirectAccess

- ✓ Configuring the DirectAccess Server
- ✓ Configuring the DirectAccess Clients
- ✓ Validating Remote Connectivity
- ✓ Creating a RemoteApp Collection
- ✓ Publishing an Application by Using Azure RemoteApp
- ✓ Validating Remote Connectivity
- ✓ Configuring the DirectAccess Server
- ✓ Configuring the DirectAccess Clients
- ✓ Validating Remote Connectivity
- ✓ Creating a RemoteApp Collection
- ✓ Publishing an Application Using Azure RemoteApp
- ✓ Validating Remote Connectivity
- ✓ After completing this module, students will be able to:
- ✓ Describe remote access solutions.
- ✓ Implement DirectAccess with Windows 10.
- ✓ Configure virtual private network (VPN) access to remote networks.
- ✓ Support RemoteApp for Windows 10.

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### Deploying and Managing Windows 10 Using Enterprise Services

#### **Module 4: Configuring and Managing Client Hyper-V**

##### **Lessons**

- ✓ Installing and Configuring Client Hyper-V
- ✓ Configuring Virtual Switches
- ✓ Creating and Managing Virtual Hard Disks
- ✓ Creating and Managing Virtual Machines

##### **Lab : Configuring Virtual Machines by Using Client Hyper-V**

- ✓ Installing Client Hyper-V
- ✓ Creating a Virtual Switch, a Virtual Hard Disk, and a Virtual Machine
- ✓ Installing Client Hyper-V
- ✓ Creating a virtual machine
- ✓ After completing this module, students will be able to:
- ✓ Install and configure Windows 10 Client Hyper-V.
- ✓ Configure virtual switches.
- ✓ Create and manage virtual hard disks.
- ✓ Create and manage virtual machines.

#### **Module 5: Managing Windows 10 Devices Using Enterprise Mobility Solutions**

##### **Lessons**

- ✓ Overview of the Enterprise Mobility Suite
- ✓ Overview of Azure Active Directory Premium
- ✓ Overview of Azure RMS
- ✓ Overview of Intune

##### **Lab : Implementing a Microsoft Intune Subscription**

- ✓ Signing Up for an Intune Trial Subscription
- ✓ Adding Intune Users
- ✓ Signing Up for a Microsoft Intune Trial Subscription
- ✓ Adding Microsoft Intune Users
- ✓ After completing this module, students will be able to:
- ✓ Describe the Enterprise Mobility Suite.
- ✓ Manage directory services by using Microsoft Azure Active Directory Premium.
- ✓ Protect devices by using Azure Rights Management (Azure RMS).
- ✓ Explore the options in Microsoft Intune.

#### **Module 6: Managing Desktop and Mobile Clients by Using Microsoft Intune**

##### **Lessons**

- ✓ Deploying the Intune Client Software
- ✓ Overview of Microsoft Intune Policies
- ✓ Mobile Device Management Using Intune

##### **Lab : Managing Mobile Devices Using Microsoft Intune**

- ✓ Installing the Intune Client Software

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- ✓ Configuring Intune Policy Settings
- ✓ Configuring and Enrolling Mobile Devices into Microsoft Intune
- ✓ Installing the Intune Client Software
- ✓ Creating Intune Policies
- ✓ Configuring and Enrolling Mobile Devices into Microsoft Intune

### **Lab : Installing the Intune Client Software and Configuring a Policy**

- ✓ Installing the Intune Client Software
- ✓ Configuring Intune Policy Settings
- ✓ Configuring and Enrolling Mobile Devices into Microsoft Intune
- ✓ Installing the Intune Client Software
- ✓ Creating Intune Policies
- ✓ Configuring and Enrolling Mobile Devices into Microsoft Intune
- ✓ After completing this module, students will be able to:
- ✓ Deploy the Microsoft Intune client software.
- ✓ Describe Intune policies.
- ✓ Manage mobile devices by using Intune.

### **Module 7: Managing Updates and Endpoint Protection by Using Microsoft Intune**

#### **Lessons**

- ✓ Managing Updates by Using Intune
- ✓ Managing Endpoint Protection

### **Lab : Managing Updates and Endpoint Protection by Using Microsoft Intune**

- ✓ Configuring Updates in Intune
- ✓ Configuring Endpoint Protection in Intune
- ✓ Configuring Updates in Microsoft Intune
- ✓ Configuring Endpoint Protection in Microsoft Intune
- ✓ After completing this module, students will be able to:
- ✓ Manage updates by using Microsoft Intune.
- ✓ Manage Endpoint Protection.

### **Module 8: Application and Resource Access Using Microsoft Intune**

#### **Lessons**

- ✓ Application Management by Using Intune
- ✓ The Application Deployment Process
- ✓ Managing Access to Organizational Resources

### **Lab : Deploying Applications by Using Microsoft Intune**

- ✓ Publishing Applications for Deployment in Intune
- ✓ Deploying and Monitoring Application Deployment
- ✓ Configuring Certificate Deployment in Intune
- ✓ Configure Conditional Access Policies
- ✓ Uploading an Application to Microsoft Intune
- ✓ Deploying an Application to Managed Clients
- ✓ Configuring Profile Deployment

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## Deploying and Managing Windows 10 Using Enterprise Services

- ✓ Configuring Conditional Access Policies

### Lab : Managing Resource Access by Using Intune

- ✓ Publishing Applications for Deployment in Intune
- ✓ Deploying and Monitoring Application Deployment
- ✓ Configuring Certificate Deployment in Intune
- ✓ Configure Conditional Access Policies
- ✓ Uploading an Application to Microsoft Intune
- ✓ Deploying an Application to Managed Clients
- ✓ Configuring Profile Deployment
- ✓ Configuring Conditional Access Policies
- ✓ After completing this module, students will be able to:
- ✓ Describe the requirements for application management by using Microsoft Intune.
- ✓ Describe the application deployment process by using Intune.
- ✓ Describe how to manage access to organizational resources by using Intune.

### Module 9: Managing Desktops and Devices in an Enterprise Environment

#### Lessons

- ✓ Managing Windows 10 in the Enterprise
- ✓ Managing a Mobile Workforce
- ✓ Supporting Devices in the Enterprise
- ✓ Extending IT Management and Services to the Cloud

### Lab : Planning for Windows 10 and Device Management in the Enterprise

- ✓ Reading the scenario
- ✓ Reading the Scenario
- ✓ Answering the Questions
- ✓ After completing this module, students will be able to:
- ✓ Discuss managing Windows 10 in an enterprise environment.
- ✓ Explain the complexities of managing a mobile workforce.
- ✓ List the challenges of supporting devices in the enterprise.
- ✓ Explain how to extend IT Management and services to the cloud.

### Module 10: Managing User Profiles and User State Virtualization

#### Lessons

- ✓ Managing User Profiles and User State
- ✓ Implementing User State Virtualization by Using Group Policy
- ✓ Configuring UE-V
- ✓ Managing User State Migration

### Lab : Migrating User State by Using USMT

- ✓ Configuring Roaming User Profiles and Folder Redirection
- ✓ Implementing and Configuring UE-V
- ✓ Creating and Customizing USMT XML Files
- ✓ Capturing and Restoring User State on a Target Computer

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## Deploying and Managing Windows 10 Using Enterprise Services

- ✓ Configuring Roaming User Profiles and Folder Redirection
- ✓ Implementing and Configuring UE-V
- ✓ Creating and Customizing USMT XML Files
- ✓ Capturing and Restoring User State to a Target Computer

### **Lab : Configuring User Profiles and User State Virtualization**

- ✓ Configuring Roaming User Profiles and Folder Redirection
- ✓ Implementing and Configuring UE-V
- ✓ Creating and Customizing USMT XML Files
- ✓ Capturing and Restoring User State on a Target Computer
- ✓ Configuring Roaming User Profiles and Folder Redirection
- ✓ Implementing and Configuring UE-V
- ✓ Creating and Customizing USMT XML Files
- ✓ Capturing and Restoring User State to a Target Computer
- ✓ After completing this module, students will be able to:
- ✓ Manage user profiles and user state.
- ✓ Implement user state virtualization by using Group Policy.
- ✓ Configure UE-V.
- ✓ Manage user state migration.

### **Module 11: Managing Windows 10 Sign-In and Identity**

#### **Lessons**

- ✓ Overview of Enterprise Identity
- ✓ Planning for Cloud Identity Integration

### **Lab : Integrating a Microsoft Account with a Domain Account**

- ✓ Signing up for a Microsoft Account
- ✓ Connecting a Microsoft Account to a Domain Account
- ✓ Signing up for Both Office 365 and Azure Trial Subscriptions
- ✓ Joining Windows 10 to Azure Active Directory
- ✓ Signing up for a Trial Microsoft Account
- ✓ Connecting a Microsoft Account to a Domain Account
- ✓ Signing Up for an Azure Active Directory Trial Subscription
- ✓ Joining Windows 10 to Azure Active Directory

### **Lab : Joining Windows 10 to Azure Active Directory**

- ✓ Signing up for a Microsoft Account
- ✓ Connecting a Microsoft Account to a Domain Account
- ✓ Signing up for Both Office 365 and Azure Trial Subscriptions
- ✓ Joining Windows 10 to Azure Active Directory
- ✓ Signing up for a Trial Microsoft Account
- ✓ Connecting a Microsoft Account to a Domain Account
- ✓ Signing Up for an Azure Active Directory Trial Subscription
- ✓ Joining Windows 10 to Azure Active Directory
- ✓ After completing this module, students will be able to:
- ✓ Describe the concept of enterprise identity.
- ✓ Plan for cloud identity integration.

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## Deploying and Managing Windows 10 Using Enterprise Services

### Module 12: Managing Data Access for Windows-based Devices Lessons

- ✓ Overview of Data Access Solutions
- ✓ Implementing Device Registration
- ✓ Implementing Work Folders
- ✓ Managing Online Data Using Cloud-Based Storage Solutions

### Lab : Configuring Data Access for Non-Domain Joined Devices

- ✓ Configuring Work Folders
- ✓ Configuring OneDrive
- ✓ Implementing Device Registration
- ✓ Configuring Work Folders
- ✓ Configuring OneDrive

### Lab : Managing Data Access Using OneDrive

- ✓ Configuring Work Folders
- ✓ Configuring OneDrive
- ✓ Implementing Device Registration
- ✓ Configuring Work Folders
- ✓ Configuring OneDrive
- ✓ After completing this module, students will be able to:
- ✓ Describe the data access solutions.
- ✓ Implement Device Registration.
- ✓ Implement Work Folders.
- ✓ Manage online data by using cloud-based storage solutions.

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