

Microsoft Exam MD-100: Exam Windows 10!

Overview: This course will introduce students to Windows 10. Topics covered include installing Windows 10, configuring and personalizing Windows, updating Windows 10, networking in Windows 10, configuring storage, managing apps, configuring authorization and authentication, configuring access to files and folders, configuring security, and supporting and troubleshooting.

Course Modules:

Module 01-Installing Windows 10

(Duration: 1h 5m)

1. Workbook (Pdf)
2. Installing Windows 10
3. Topic A: Introducing Windows 10
4. Overview of the Windows Client
5. What's New
6. Small and Medium-Sized Businesses
7. Managing Desktops in an Enterprise Environment
8. Demo – Windows User Interface
9. Topic B: Windows 10 Editions
10. Windows 10 Editions
11. Selecting a Windows 10 Edition

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12. Minimum Hardware
13. Feature Specific Requirements
14. Topic C: Installing Windows 10
15. Installation Methods
16. Activating Windows 10
17. Considerations for New Deployments
18. Demo – Installing Windows 10
19. Upgrading to Windows 10
20. Upgrade Paths
21. Upgrade Pros and Cons
22. Upgrade Pros and Cons
23. Topic D: Deployment Tools
24. Imaging and Autopilot
25. Client Virtualization
26. Client Virtualization
27. Deployment Strategies
28. Deployment Tools
29. Deployment Tools
30. User State Migration Tool
31. Chapter 1 Review
32. Review Quiz (Number of attempts allowed: Unlimited)

Module 02 -Configure and Personalize Windows

(Duration: 1h 26m)

1. Workbook (Pdf)
2. Configure and Personalize Windows
3. Topic A: Configure and Customize Start Menu
4. Customizing the User Interface
5. Action Center
6. Configure Cortana
7. Demo
8. – Customizing the User Interface
9. Topic B: Common Configuration Options

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10. Settings App
11. Demo
12. – Using the Settings App
13. Control Panel
14. Demo
15. – Using Control Panel
16. Configuring Power Plans
17. Configuring Display Options
18. Mobile Device Options
19. Privacy in Windows 10
20. Demo
21. – Configuring Additional Options
22. Topic C: Advanced Configuration Methods
23. Active Directory Domain Services
24. Group Policy
25. Applying Group Policy
26. Windows PowerShell
27. Using Windows PowerShell
28. Demo
29. – Introduction to Windows PowerShell
30. Topic D: Managing Devices and Drivers
31. Introduction to Device Drivers
32. Device Manager
33. Demo
34. – Working with Devices
35. Printing Terminology
36. Type 4 Printer Drivers
37. Managing Client
38. -Side Printing
39. Managing Print Server Properties
40. Demo
41. – Configure and Manage Printers
42. Chapter 2 Review
43. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 03 -Updating Windows 10

(Duration: 20m)

1. Workbook (Pdf)
2. Updating Windows 10
3. Topic A: Windows Servicing Model
4. Introducing the Windows Servicing Model
5. Servicing Channels
6. Windows Update Options
7. Topic B: Updating Windows
8. Windows Update Settings
9. Windows Server Update Services (WSUS)
10. Windows Update for Business
11. Demo
12. – Configuring Windows Updates
13. Chapter 3 Review
14. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 04 -Networking in Windows 10

(Duration: 1h 48m)

1. Workbook (Pdf)
2. Networking in Windows 10
3. Topic A: Configuring IP Network Connectivity
4. Windows Network Configuration
5. IPv4 Overview
6. Demo
7. – Examining IP Addresses and Subnet Masks

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8. Additional Configuration
9. Public vs. Private Addresses
10. Assigning IPv4 Addresses
11. Configuring Network Settings
12. Demo
13. – Configuring Network Settings
14. Troubleshooting Tools
15. Demo
16. – Using Troubleshooting Tools
17. IPv6 Overview
18. IPv6 Addressing
19. Topic B: Implementing Name Resolution
20. DNS Overview
21. DNS Queries
22. Troubleshooting Name Resolution
23. Topic C: Configuring Wireless Network Connectivity
24. Wireless Network Technologies
25. Configuring Wireless Settings
26. Demo
27. – Configuring Wireless Settings and Miracast
28. Topic D: Implementing Remote Access
29. Virtual Private Networks
30. Creating a VPN Connection
31. Demo
32. – Creating a VPN Connection
33. Remote Desktop
34. Remote Assistance
35. PowerShell Remoting
36. Demo
37. – Using Remote Management
38. Chapter 4 Review
39. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 05 -Configuring Storage

(Duration: 1h 4m)

1. Workbook (Pdf)
2. Configuring Storage
3. Topic A: Overview of Storage Options
4. Storage Options
5. Network Storage Options Cloud Storage Options
6. Disk Types
7. Dynamic Disks
8. Topic B: Using Local Storage
9. Disk Management Tools
10. Volume Types
11. Managing Existing Volumes
12. Demo
13. – Working with Disks
14. Topic C: Maintaining Disks
15. Monitoring Storage Use
16. Disk Fragmentation
17. Compression
18. Disk Quotas
19. Demo
20. – Managing Storage
21. Topic D: Configuring Storage Spaces
22. Introducing Storage Spaces
23. Storage Space Features
24. Implementation Scenarios
25. Demo
26. – Working with Storage Spaces
27. Chapter 5 Review
28. **Review Quiz (Number of attempts allowed: Unlimited)**

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Module 06 -Managing Apps

(Duration: 55m)

1. Workbook (Pdf)
2. Managing Apps
3. Topic A: Deploying Windows 10 Apps
4. Application Types
5. Application Types
6. Deployment Options
7. Manual Installation
8. Automated Installations
9. Office 365 Applications
10. Topic B: Managing Universal Windows Apps
11. Microsoft Store
12. Controlling Access to Microsoft Stor
13. e
14. Assigned Access
15. Sideloaded Apps
16. Demo
17. – Working with Application
18. s
19. Topic C: Using Web Browsers
20. Web Browsers
21. Microsoft Edge Features and Improvements
22. Managing Extensions
23. Productivity Features
24. Internet Explorer 11
25. Privacy Features
26. Security Features
27. IE Add
28. -ons
29. Compatibility Settings
30. Demo
31. – Configuring Web Browsers

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32. Chapter 6 Review

33. Review Quiz (Number of attempts allowed: Unlimited)

Module 07 – Configuring Authorization and Authentication

(Duration: 1h 1m)

1. Workbook (Pdf)
2. Configuring Authorization and Authentication
3. Topic A: Understanding Authentication and Authorization
4. BYOD Challenges
5. Challenges to Data Access
6. Authentication and Authorization
7. User Account Types
8. Service Account Management
9. Working with Credential Manager
10. Windows Hello
11. Network Types
12. Authentication Process
13. Authentication Process
14. Password Policies
15. User Properties
16. User Profiles
17. Demo
18. – Viewing User Profiles
19. Topic B: Configuring User Account Control
20. User Account Control
21. How UAC Works
22. Tasks Requiring Elevation
23. Demo
24. – Configuring UAC Notification Settings
25. Topic C: Implementing Device Registration

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26. Overview of Device Registration
27. Device Registration Process
28. Infrastructure Requirements
29. Registering Devices
30. Chapter 7 Review
31. Review Quiz (Number of attempts allowed: Unlimited)

Module 08- Configuring Access to Files and Folders

(Duration: 1h 12m)

1. Workbook (Pdf)
2. Configuring Access to Files and Folders
3. Topic A: Overview of File Systems
4. File Allocation Table (FAT)
5. New Technology File System (NTFS)
6. Resilient File System (ReFS)
7. Topic B: Configuring File Access
8. Tools to Manage Files and Folders
9. Permissions
10. Inheritance
11. Implementing Conditions to Limit File and Folder Access
12. Effective Permissions
13. Copying and Moving Files
14. Demo
15. – Configuring Permissions
16. Topic C: Configuring Shared Folders
17. Shared Folders
18. Shared Folder Properties
19. Demo
20. – Configuring Shared Folders
21. Windows Libraries
22. Cloud Storage
23. OneDrive
24. Enabling OneDrive

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- 25. Demo
- 26. – Working with OneDrive
- 27. Work Folders
- 28. Chapter 8 Review
- 29. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 09 -Configuring Security

(Duration: 1h 9m)

- 1. Workbook (Pdf)
- 2. Configuring Security
- 3. Topic A: Malware and Threat Protection
- 4. Types of Malware
- 5. Mitigating Threats
- 6. Phishing
- 7. Network Security Threats
- 8. Mitigating Network Security Threats
- 9. Topic B: Windows Defender
- 10. Windows Defender Antivirus
- 11. Windows Defender Firewall
- 12. Network Location Profiles
- 13. Demo
- 14. – Windows Defender Firewall
- 15. Topic C: Connection Security Rules
- 16. IPSec Overview
- 17. Connection Security Rules
- 18. Authentication Options
- 19. Monitoring Connections
- 20. Demo
- 21. – Configuring IPSec Connection Security Rules
- 22. Topic D: Advanced Protection Methods
- 23. Security Compliance
- 24. BitLocker
- 25. Trusted Platform Module (TPM)

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26. Demo
27. – Using BitLocker
28. Encrypting File System (EFS)
29. Demo
30. – Using EFS
31. Using AppLocker
32. Demo
33. – Configuring AppLocker
34. Securing Data in the Enterprise
35. Windows Defender Advanced Threat Protection (ATP)
36. Chapter 9 Review
37. **Review Quiz (Number of attempts allowed: Unlimited)**

Module 10 -Supporting and Troubleshooting

(Duration: 2h 30m)

1. Workbook (Pdf)
2. Supporting and Troubleshooting
3. Topic A: Windows Architecture
4. Windows 10 Devices
5. Windows Architecture
6. Support Environments
7. Troubleshooting Methodology
8. Topic B: Support and Diagnostic Tools
9. Tools Overview
10. Demo
11. – Using Troubleshooting Tools
12. Overview of the Registry
13. Editing the Registry
14. Additional Tools
15. Topic C: Monitoring Performance
16. Key Components
17. Performance Baselines
18. Performance Monitoring Tools

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19. Configuring Indexes
20. Topic D: Troubleshooting Files and Apps
21. File Recovery
22. File History
23. Azure Backup
24. Backup and Restore
25. Previous Versions
26. File Recovery Options
27. Demo
28. – File Recovery
29. Windows Installer Issues
30. Resolving Deployment Problems
31. Desktop App Problems
32. Resolving Desktop App Problems
33. Resolving UWP App Problems
34. Resolving O365 Issues
35. Troubleshooting Browser Issues
36. Topic E: Troubleshooting the Operating System
37. Startup Architecture
38. Understanding Device Recovery
39. Windows Recovery Environment (RE)
40. Advanced Startup Options
41. Using Reset this PC Option
42. System Restore
43. Additional Windows RE Recovery Tools
44. Demo – Operating System Recovery and Troubleshooting
45. Working with BCD Store
46. Troubleshooting Windows Updates
47. Services
48. Failed Service Identification
49. Disabling Services
50. Recovering BitLocker Protected Drives
51. Troubleshooting Sign In Errors
52. Topic F: Troubleshooting Hardware and Device Drivers
53. Managing Devices
54. Driver Rollback Feature
55. Driver Signing
56. Staging Device Drivers
57. Hardware Related Issues

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- 58. Controlling USB Devices
- 59. Troubleshooting Wireless Devices
- 60. Obtaining Hardware Information
- 61. Best Practices
- 62. Physical Failures
- 63. Vulnerable Devices
- 64. Guidelines for Replacing Hardware
- 65. Chapter 10 Review
- 66. Course Closure
- 67. **Review Quiz (Number of attempts allowed: Unlimited)**

This course includes

- about 12.35 hours on-demand video
- 10 downloadable Pdf Workbooks
- Unlimited time access (During Membership)
- Access on mobile and Desktop
- Certificate of Completion

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