



Exam: 98-349

MTA-Windows OS Fundamentals

Course Length: : 24 Hours
IT Professional Series : 3 Days
Academic Series : 4 Weeks

Module 1: Introducing, Installing, and Upgrading Windows 7

- Identifying Windows Operating System Editions
 - Windows 7 Home Premium, Professional, and Ultimate
 - Other Windows 7 Editions: Starter, Home Basic, and Enterprise
 - 32-Bit Computing versus 64-Bit Computing
 - Windows 7 System Requirements
- Identifying Upgrade Paths
 - Upgrade Paths from Windows XP
 - Upgrade Paths from Windows Vista
 - Upgrade Paths from Other Operating Systems
 - Using Windows 7 Upgrade Advisor
 - Identifying Application Compatibility
- Understanding Product Identification Keys
 - Activating Windows 7
- Understanding Installation Types
 - Using Windows Easy Transfer

Module 2: Understanding Operating System Configurations

- Understanding User Accounts and User Account Control (UAC)
 - Understanding Standard User Accounts and Administrative User Accounts
 - Understanding User Account Control (UAC)
 - Understanding Types of UAC Prompts and Levels
- Configuring Control Panel Options
 - Configuring Administrative Tools
 - Configuring Accessibility Options
- Configuring Desktop Settings
 - Exploring and Configuring the Aero Interface
 - Configuring Display Settings
 - Creating and Managing Shortcuts
 - Configuring Gadgets
 - Configuring Profiles
- Understanding Virtualized Clients
 - Understanding Windows XP Mode
- Understanding Application Virtualization
 - Understanding Med-V
 - Understanding Med-V

Module 3: Understanding Native Applications, Tools, Mobility, and Remote Management and Assistance

- Understanding Windows Internet Explorer
 - Using Pinned Sites
 - Managing Security Features
 - Introducing Accessory Programs
 - Using the Snipping Tool
- Playing Back and Recording to Media
 - Using Windows Media Player
 - Using Windows Media Center

- Understanding Sync Center
- Using Windows Mobility Center
- Understanding Remote Desktop Services
 - Understanding Remote Desktop Connection
- Understanding Remote Management and Assistance
 - Using the MMC
 - Using Windows PowerShell

Module 4: Managing Applications, Services, Folders, and Libraries

- Installing and Managing Applications
 - Removing or Uninstalling an Application
 - Understanding Group Policy and Network Application Installation
- Understanding Services
 - Understanding Service Startup Types
- Using MSCONFIG (System Configuration utility)
 - Understanding MSCONFIG
- Understanding File Systems
 - Understanding FAT, FAT32, and NTFS
- Exploring and Managing Libraries
 - Adding Local and Networked Locations to a Library
- Encrypting and Compressing Files and Folders
 - Understanding Encrypting File System (EFS)
 - Understanding Compression
 - Understanding BitLocker

Module 5: Managing Devices

- Understanding Storage
 - Understanding Disk and Drive Types
 - Using Disk Management
 - Spanned Volumes
 - Striped Volumes
 - Mirrored Volumes
 - Understanding Storage Device Types
 - External Serial Advanced Technology Attachment (eSATA)
 - Universal Serial Bus (USB) and USB 2.0
 - IEEE 1394 (also known as FireWire)
 - Internet Small Computer System Interface (iSCSI)
 - Understanding Cloud Storage
 - Windows Live SkyDrive
 - OneNote to SkyDrive
 - Windows Live Mesh
- Understanding Printing Devices
 - Understanding Local Printers
 - Understanding Network Printers
 - Printing a Document
 - Understanding Print to File
 - Understanding Print Queues
 - Understanding Internet Printing
- Understanding System Devices
 - Understanding Video, Audio, and Input Devices
 - Understanding Plug-and-Play Technology
 - Understanding Device Manager

Module 6: Understanding File and Print Sharing

- Understanding File and Printer Sharing Basics
- Understanding Home Group
- Creating Public, Basic, and Advanced Shares
 - Using Public Folders
 - Using Basic and Advanced Shares
 - Mapping Drives



- Understanding Permissions
 - Understanding NTFS, Share, and Effective Permissions
- Setting Up Printer Sharing
 - Understanding Print Drivers
 - Troubleshooting Printers

Module 7: Maintaining, Updating, and Protecting Windows 7

- Exploring Built-in Maintenance Tools
 - Understanding Disk Defragmenter
 - Understanding Disk Cleanup
 - Understanding Task Scheduler
 - Understanding Action Center
 - Understanding System Information
 - Maintaining the Windows Registry
 - Updating the System
- Defending Your System from Malicious Software
 - Understanding Action Center
 - Understanding Windows Firewall
 - Understanding Windows Defender
 - Understanding Microsoft Security Essentials
 - Using the Malicious Software Removal Tool
 - Understanding Windows Forefront Endpoint Protection
 - System Requirements
 - Deploying to Clients

Module 8: Understanding Backup and Recovery Methods

- Understanding Local, Network, and Automated Backup Methods
- Creating a System Image
- Creating a Repair Disc
- Understanding System Restore
- Using System Restore
 - Restoring Your System Using System Restores
 - Understanding Recovery Boot Options