WINDOWS 7, CONFIGURING – EXAM 70-680

This hands-on course provides students with knowledge and develops their skills to get experience configure Windows 7 operating system. Student will be able to ensure hardware and software compatibility, pre-installation and post-installation system settings, Windows security features, network connectivity applications and mobile computing. Students will also be able to monitor and resolve performance and reliability issues.

This course is part one of two courses leading to your MCSA Windows 7 certificate.

COURSE OUTLINE:

Installing, Upgrading, and Migrating to Windows

- Preparing to Install Windows 7
- Performing a Clean Installation of Windows 7
- Upgrading and Migrating to Windows 7
- Performing Image-based Installation of Windows 7
- Configuring Application Compatibility
- Migrating Settings by using Windows Easy Transfer
- Configuring a Reference Image of Windows 7
- Configuring a Reference Image

Configuring Disks and Device Drivers

- Partitioning Disks in Windows 7
- Managing Disk Volumes
- Maintaining Disks in Windows 7
- Installing and Configuring Device Drivers
- Configuring Disks
- Configuring Disk Quotas (Optional)
- Updating a Device Driver

Configuring File Access and Printers on Windows 7 Client Computers

- Overview of Authentication and Authorization
- Managing File Access in Windows 7
- Managing Shared Folders

- Configuring File Compression
- Managing Printing
- Create and Configure a Public Shared Folder for all Users
- Configuring Shared Access to Files for Specific Users
- Creating and Sharing a Printer

Configuring Network Connectivity

- Configuring IPv4 and IPv6 Network Connectivity
- Implementing Automatic IP Address Allocation
- Overview of Name Resolution
- Troubleshooting Network Issues
- Configuring IPv4 Addressing
- Configuring IPv6 Addressing
- Troubleshooting Network Connectivity

Configuring Wireless Network Connections

- Overview of Wireless Networks
- Configuring a Wireless Network
- Determining the appropriate configuration for a wireless network
- Troubleshooting Wireless Connectivity

Securing Windows 7 Desktops

- Overview of Security Management in Windows 7
- Securing a Windows 7 Client Computer by Using Local Security Policy Settings
- Securing Data by Using EFS and BitLocker
- Configuring Application Restrictions
- Configuring User Account Control
- Configuring Windows Firewall
- Configuring Security Settings in Internet Explorer 8
- Configuring Windows Defender
- Using Action Center
- Configuring Local Security Policies
- Encrypting Data
- Configuring AppLocker
- Configuring Windows Firewall
- Configuring Internet Explorer 8 Security
- Configuring Windows Defender

Optimizing and Maintaining Windows 7 Client Computers

- Maintaining Performance by Using the Windows 7 Performance Tools
- Maintaining Reliability by Using the Windows 7 Diagnostic Tools
- Backing Up and Restoring Data by Using Windows Backup
- Restoring a Windows 7 System by Using System Restore Points
- Configuring Windows Update
- Monitoring System Performance
- Backing Up and Restoring Data
- Configuring System Restore Points
- Configuring Windows Update

Configuring Mobile Computing and Remote Access in Windows 7

- Configuring Mobile Computer and Device Settings
- Configuring Remote Desktop and Remote Assistance for Remote Access
- Configuring DirectAccess for Remote Access
- Configuring BranchCache for Remote Access
- Creating a Sync Partnership
- Configuring Power Options
- Enabling Remote Desktop
- Enabling BranchCache