



Windows 7 Configuration (Exam 70-680)

Installing, Upgrading, and Migrating to Windows 7 (14 percent)

- Perform a clean installation.
 - This objective may include but is not limited to: identifying hardware requirements; setting up as the sole operating system; setting up as dual boot; installation methods; boot from the source of installation, preparing the installation source: USB, CD, network share, WDS
- Upgrade to Windows 7 from previous versions of Windows.
 - This objective may include but is not limited to: upgrading from Windows Vista; migrating from Windows XP; upgrading from one edition of Windows 7 to another edition of Windows 7
- Migrate user profiles.
 - This objective may include but is not limited to: migrating from one machine to another; migrating from previous versions of Windows; side-by-side vs. wipe and load

Deploying Windows 7 (13 percent)

- Capture a system image.
 - This objective may include but is not limited to: preparing system for capture; creating a WIM file; automated capture; manual capture
- Prepare a system image for deployment.
 - This objective may include but is not limited to: inserting an application into a system image; inserting a driver into a system image; inserting an update into a system image; configuring tasks to run after deployment
- Deploy a system image.
 - This objective may include but is not limited to: automated deployment methods; manually deploying a customized image
- Configure a VHD.
 - This objective may include but is not limited to: creating, deploying, booting, mounting, and updating VHDs; offline updates; offline servicing

Configuring Hardware and Applications (14 percent)

- Configure devices.
 - This objective may include but is not limited to: updating, disabling, and uninstalling drivers; signed drivers; conflicts between drivers; configuring driver settings; resolving problem device driver
- Configure application compatibility.



- This objective may include but is not limited to: setting compatibility mode; implementing shims; compatibility issues with Internet Explorer
- Configure application restrictions.
 - This objective may include but is not limited to: setting software restriction policies; setting application control policies; setting through group policy or local security policy
- Configure Internet Explorer.
 - This objective may include but is not limited to: configuring compatibility view; configuring security settings; configuring providers; managing add-ons; controlling InPrivate mode; certificates for secure Web sites

Configuring Network Connectivity (14 percent)

- Configure IPv4 network settings.
 - This objective may include but is not limited to: connecting to a network; configuring name resolution; setting up a connection for a network; network locations; resolving connectivity issues; APIPA
- Configure IPv6 network settings.
 - This objective may include but is not limited to: configuring name resolution; connecting to a network; setting up a connection for a network; network locations; resolving connectivity issues; link local multicast name resolution
- Configure networking settings.
 - This objective may include but is not limited to: adding a physically connected (wired) or wireless device; connecting to a wireless network; configuring security settings on the client; set preferred wireless networks; configuring network adapters; configuring location-aware printing
- Configure Windows Firewall.
 - This objective may include but is not limited to: configuring rules for multiple profiles; allowing or denying an application; network-profile-specific rules; configuring notifications; configuring authenticated exceptions
- Configure remote management.
 - This objective may include but is not limited to: remote management methods; configuring remote management tools; executing PowerShell commands



Configuring Access to Resources (13 percent)

- Configure shared resources.
 - This objective may include but is not limited to: folder virtualization; shared folder permissions; printers and queues; configuring HomeGroup settings
- Configure file and folder access.
 - This objective may include but is not limited to: encrypting files and folders by using EFS; configuring NTFS permissions; resolving effective permissions issues; copying files vs. moving files
- Configure user account control (UAC).
 - This objective may include but is not limited to: configuring local security policy; configuring admin vs. standard UAC prompt behaviors; configuring Secure Desktop
- Configure authentication and authorization.
 - This objective may include but is not limited to: resolving authentication issues; configuring rights; managing credentials; managing certificates; smart cards with PIV; elevating user privileges; multifactor authentication
- Configure BranchCache.
 - This objective may include but is not limited to: distributed cache mode vs. hosted mode; network infrastructure requirements; configuring settings; certificate management

Configuring Mobile Computing (10 percent)

- Configure BitLocker and BitLocker To Go.
 - This objective may include but is not limited to: configuring BitLocker and BitLocker To Go policies; managing Trusted Platform Module (TPM) PINs; configuring startup key storage; data recovery agent support
- Configure DirectAccess.
 - This objective may include but is not limited to: configuring client side; configuring authentication; network infrastructure requirements
- Configure mobility options.
 - This objective may include but is not limited to: configuring offline file policies; transparent caching; creating and migrating power policy
- Configure remote connections.
 - This objective may include but is not limited to: establishing VPN connections and authentication; enabling a VPN reconnect; advanced security auditing; NAP quarantine remediation; dial-up connections; remote desktop; published apps



Monitoring and Maintaining Systems that Run Windows 7 (11 percent)

- Configure updates to Windows 7.
 - This objective may include but is not limited to: configuring update settings; determining source of updates; configuring Windows Update policies; reviewing update history; checking for new updates; rolling back updates
- Manage disks.
 - This objective may include but is not limited to: managing disk volumes; managing file system fragmentation; RAID; removable device policies
- Monitor systems.
 - This objective may include but is not limited to: configuring event logging; filtering event logs; event subscriptions; data collector sets; generating a system diagnostics report
- Configure performance settings.
 - This objective may include but is not limited to: configuring page files; configuring hard drive cache; updated drivers; configuring networking performance; configuring power plans; configuring processor scheduling; configuring desktop environment; configuring services and programs to resolve performance issues; mobile computing performance issues; configuring power

Configuring Backup and Recovery Options (11 percent)

- Configure backup.
 - This objective may include but is not limited to: creating a system recovery disk; backing up files, folders, or full system; scheduling backups
- Configure system recovery options.
 - This objective may include but is not limited to: configuring system restore points; restoring system settings; last known good configuration; complete restore; driver rollback
- Configure file recovery options.
 - This objective may include but is not limited to: configuring file restore points; restoring previous versions of files and folders; restoring damaged or deleted files by using shadow copies; restore user profiles