



70-290 Chapter 5 Concept Map

Windows Update/Software Update Services (SUS)

Microsoft Baseline Security Analyzer (MBSA)

Checks for missing updates and security vulnerabilities

Automatic Updates

The OS periodically checks for hotfixes/SP updates
Built in to XP SP1, Windows 2000 SP3, Server 2003
Can be configured to ask for user input or proceed automatically

Windows Update

<http://windowsupdate.microsoft.com>
This website scans computer for needed updates, downloads and installs with user approval

SUS

Mirrors Windows Update patches on a local server
SUS Administrator decides when to allow clients to install updates (called Approving updates)
Clients configured to use SUS server via GPO
Organizations can build a hierarchy of SUS server to regulate bandwidth, approvals
SUS requires IIS and may require many GB's of disk space

OS Updates

Hotfixes

Hotfixes address single problems
Hotfixes are specific to certain software/hardware configurations
Some hotfixes address security holes
Hotfixes are distributed several ways
Hotfixes named according to corresponding KB article
Can be chained-installed using /Z switch to avoid rebooting until after last hotfix is installed

- Windows Update
- Software Update Services
- Downloaded individually from support.microsoft.com

Service Packs

Service Packs are collections of many hotfixes
Service packs are specific only to the OS Platform
Service packs are released periodically
Service packs should be tested prior to widescale deployment
Service pack availability
Slipstreaming

- On CDROM
- Express download
 - Only the needed files
 - Must have Internet access
- Network download
 - Contains all SP files
 - Download once, Install multiple times

New 2003 feature: One Time Installation
No need to re-apply SP when new drivers/services added

Apply SP to install files: update.exe /s:distfolder

Server 2003 Licensing

Client Access License (CAL)

Provides the legal authorization for a user or device to connect to the server
CAL's required anytime credentials exchanged
Per Server
Per User

- Licenses associated with the server
- 1000 connections to ServerA require 1000 CALs on ServerA
- Adding ServerB and supporting 1000 connections to both ServerA and ServerB requires the purchase of an additional 1000 CALs
- Only 1 CAL per user needed, even with multiple servers