

Index

Note to the reader: Page numbers in **bold** indicate the principle discussion of a topic or the definition of a term. Page numbers in *italic* indicate illustrations.

Numbers

- 32-bit machines
 - deployment options and, 652
 - GPSI properties for, 664
- 64-bit machines
 - deployment options and, 652
 - GPSI properties for, 664
- 802.11 Wireless Policy. *See* Wireless Network (802.11)
- 802.3 Wired Policy. *See* Wired Network (802.3)

A

- access control lists (ACLs), 234
- Accessories setting, NTUSER.DAT, 470
- Account Lockout policy
 - default configuration of, 311–312
 - Default Domain Policy and, 313–314
- account policies
 - default configuration of, 311–312
 - options for modifying, 315
 - setting up on OUs, 232
- ACLs (access control lists), 234
- Active Directory
 - GPO container, 37
 - levels of, 15–17
 - networks, 14–15
 - Restricted Groups, 336–338
- Active Directory schema
 - updating in printer deployment, 699
 - updating when setting up wireless policies, 382
- Active Directory Schema Admin, 382
- Active Directory Sites and Services, 181
- Active Directory Users And Computers
 - adding users to Group Policy Creator Owners group, 51–52
 - delegation of control, 47–48
 - GPMC compared with, 30–31
 - including in custom MMC, 28–30
- Active Directory-based Group Policy
 - Active Directory networks and, 14–15
 - domain level GPOs, 20, 181
 - functioning of, 179–181
 - levels of Active Directory and, 15–17
 - linking GPOs, 17
 - OU level GPOs, 20, 181
 - RSoP, 18–19, 21
 - site level GPOs, 20, 181–182
- Add or Remove Programs
 - categorizing applications in, 654–655
 - not displaying installed application in, 649
 - published applications shown in, 631
- Add Printer Wizard, 699
- ADM files
 - ADM file (Windows XP), 270–271
 - disk quotas and, 153
 - old-style preferences for ADM files, 291–294
 - ADM templates. *See also* Administrative Templates
 - ADM file (Windows XP), 270–271
 - ADM vs. ADMX, 273
 - CER (Corporate Error Reporting) templates, 298
 - defaults, 271
 - Internet Explorer templates, 299
 - leveraging from Vista management station, 290–291
 - from non-Windows sources, 290
 - Office 2000 NT/95 templates, 298
 - Office templates, 294–298
 - old-style preferences for, 291–294
 - SUS templates, 298
 - updating existing GPOs, 281
 - Windows NT templates, 299–300
 - WSUS templates, 298
- Admin Approval mode
 - for built-in administrator account, 399–400
 - elevation prompt for administrators, 399–400
 - running all administrators in, 402
- admin logs, Windows Vista, 258–260
- Administrative access, granting to redirected folders, 541–543
- Administrative Installation, of .MSI files, 626–627
- Administrative Templates, 267–308
 - ADM file (Windows XP), 270–271
 - ADM templates from non-Windows sources, 290
 - ADM vs. ADMX, 273
 - ADMX Editor, 303–305

762 Administrator account – asynchronous processing

- ADMX files (Windows Vista), 272
- ADMX Migrator, 302–303
- ADMX templates from non-Windows sources, 300–301
- central store (Windows Vista), 286–289
- CER (Corporate Error Reporting) ADM templates, 298
- creating GPOs (pre-Vista), 276–279
- creating GPOs (Windows Vista), 279, 283–284
- creating/editing GPOs in mixed environment, 273–284
- editing GPOs (pre-Vista), 280–281
- editing GPOs (Windows Vista), 282–284
- editing GPOs (Windows XP), 284
- going around, 134–135
- Internet Explorer ADM templates, 299, 389–390
- leveraging ADM templates from Windows Vista management station, 290–291
- locating policy settings, 70–71
- management stations, 275–276, 284–285
- Office 2000 NT/95 ADM templates, 298
- Office 2007 ADMX templates, 300
- Office templates, 294–298
- old-style preferences for ADM files, 291–294
- overview of, 267
- policies vs. preferences, 268–270
- slow network connections and policy processing and, 142
- spreadsheets for finding ADM/ADMX policies, 305–306
- storing/processing, 219–220
- SUS ADM templates, 298
- troubleshooting ADM/ADMX templates, 306–307
- Windows NT ADM templates, 299–300
- working with ADMX templates, 301
- WSUS ADM templates, 298
- Administrator account
 - account policies for status of, 312
 - no local administrator account in Windows Vista, 397–399
- administrators
 - Domain Administrators (DAs), 40
 - elevation of users to admin status (Windows Vista), 400
 - elevation prompt for administrators (Windows Vista), 399–400
 - Enterprise Administrators (EAs), 40
 - overriding hardware installation restrictions, 431
 - Protected Administrator (Windows Vista), 404–405
 - running all administrators in Admin Approval mode (Windows Vista), 402
 - UAC Admin Approval mode for built-in administrator account (Windows Vista), 399
- AdminLog
 - as System Event Log, 257
 - troubleshooting with, 258–260
- Adminpak.msi, 625
- ADMX Editor, 303–305
- ADMX Migrator, 302–303
- ADMX templates. *See also*
 - Administrative Templates
 - ADM vs. ADMX, 273
 - ADMX files (Windows Vista), 272
 - from non-Windows sources, 300–301
 - Office 2007 templates, 300
 - working with, 301
- advanced inspection. *See* troubleshooting, advanced inspection
- Advanced Redirected Folders
 - overview of, 531
 - steps in, 543–544
 - when to use, 543
- advertisement, of software, 622
- All Users (Windows XP), 477
- answer files, associating with WDS image, 734–736
- Application Data
 - redirecting, 550
 - in user profiles for
 - Windows 2000/2003/XP, 472
 - in user profiles for Windows Vista and Longhorn, 474
- Application setting, NTUSER.DAT, 470
- applications
 - installation detection behavior (Windows Vista), 400–401
 - isolation, 645–646
 - manually changing or removing, 665
 - removing. *See* removing applications
- assigned applications. *See also* software deployment
 - assigning, 630–631
 - logging, 681
 - over slow links (Windows 2000), 671–673
 - over slow links (Windows XP/2003/Vista), 673
 - rules of deployment, 632
 - target location, 633
 - testing, 637–640
- asynchronous processing
 - background refresh and, 123
 - scripts (logon, logoff, startup, shutdown), 332–333

- Windows 2000, 224–225
- Windows XP/Vista, 127–128
- attributes, GPOs, 191–193
- Audit Policies
 - Default Domain Controllers Policy GPO, 317
 - SCW (Security Configuration Wizard), 375–376
- auditing
 - auditable events, 321–325
 - file access, 328–329
 - GPO changes, 325–328
- Authenticated Users group, 85
- AuthIP (Authenticated IP), 422–423
- auto-install
 - deployment options, 649
 - Windows Installer Service, 623
- automatic updates, turning off update of ADM files, 145

B

- background refresh policy, 123–132
 - background refresh exemptions, 126
 - background refresh interval, 123
 - exemptions, 125–126
 - forcing refresh manually, 130–132, 137–138
 - mandatory reapplication for nonsecurity policy, 136–137
 - security background refresh, 132–136
 - turning off, 146
 - Windows 2000/2003 Domain Controllers, 125
 - Windows 2000/2003 members, 124–125
 - Windows XP/Vista, 126–130
- background refresh policy processing (Domain Controllers), 120
- background refresh policy processing (Member Computers), 120
- background security refresh
 - defined, 135
 - manually changing, 135
 - for Windows OSs, 135–136
- backing up
 - GPMC scripts for backing up GPOs, 460–462
 - managing GPO backup with GPMC, 108–110
 - shadow copies not substitute for, 706
 - WMI filters, 113
- baselines
 - baseline file cache size, 683
 - Security Configuration and Analysis snap-in, 362–363
- basic inspection. *See* troubleshooting, basic inspection

- Basic Redirected Folders
 - folder settings, 537–540
 - granting administrative access to redirected folders, 541–543
 - overview of, 531
 - target location for folders, 536–537
 - when to use, 532–534
- BDT (Binary Differential Transfer), 570
- black list, Software Restriction Policies, 344
- Block Inheritance function
 - GPMC (Group Policy Management Console), 79–81
 - troubleshooting Group Policy, 223
- Boot Image, WDS
 - adding, 715–716
 - creating Capture Image, 726–727
 - leveraging Capture Boot Image, 727–728
- boot.wim
 - jamming own network drivers into, 719
 - speeding up download time of, 736–738

C

- caching
 - .MST files, 680–681
 - Roaming Profiles, 488–489, 505–506
- caching Offline Files
 - autocache vs. administratively assigned, 572–573
 - client configuration options, 573–576
 - Default Cache Size policy setting, 603
 - Encrypt the Offline Files Cache policy setting, 605
 - encryption capability, 569
 - Files Not Cached policy setting, 604
 - limitations in Windows XP, 565
 - moving client-side cache (Windows 2000/XP/Vista), 590
 - Windows 2000, 574
 - Windows 2003, 556
 - Windows Explorer role in, 577–579
 - Windows Vista, 576
 - Windows XP, 574–575
- Capture Boot Image, WDS
 - creating, 726–727
 - leveraging, 727–728
- Cascading Style Sheet (CSS), 444
- categories, of applications in Add or Remove Programs, 654–655, 665
- CCM (Change and Configuration Management), 528–529

764 central store – Custom Installation Wizard (CIW)

- central store
 - creating, 286–287
 - overview of, 286
 - populating, 287
 - updating, 289
 - verifying use of, 288
- CER (Corporate Error Reporting), 298
- Certificate Rule, Software Restriction Policies, 346
- certificates, Trusted Root Certificates, 391
- Change and Configuration Management (CCM), 528–529
- Change permissions, shares, 535
- checkpoints, System Restore, 682
- CIW (Custom Installation Wizard), 659–660
- class IDs
 - CSEs listed by, 215–217
 - hardware devices, 431–432
- classes, hardware devices, 428–429, 431
- clients
 - DNS configuration problems, 225, 231–232
 - ICMP (ping) disabled from clients to Domain Controllers (pre-Vista), 233–234
 - logging on to cross-forest trusts, 167
 - logging on to different clients across cross-forest trusts, 162–163
 - shadow copies delivered to, 706–707
 - troubleshooting. *See* troubleshooting, client-side
 - WDS. *See* WDS clients
- clients, GPO deployment, 209–220
- core processing (pre-Vista), 210–211
- core processing (Windows Vista), 211–212
- CSE values, 217–219
- CSEs (client-side extensions), 212–215
- CSEs (pre-Vista), 215–216
- CSEs (Windows Vista), 216–217
- overview of, 209–210
- storing/processing Administrative Templates, 219–220
- client-side cache (CSC), 590
- client-side extensions. *See* CSEs (client-side extensions)
- CN (common name), 185
- COM services
 - deployment options and, 652
 - GPSI properties for, 663
- command-line scripts, 454
- common name (CN), GPC attributes, 185
- compatwts, default security templates, 356
- components, enforcing upgrade of component rules, 682–683
- computer accounts
 - assigning applications to, 631
 - moving, troubleshooting and, 227–228
 - processing GPOs while moving users, 138–139
 - running security analysis on current machine, 363–364
 - troubleshooting if machine is joined to domain, 228–229
 - Windows Installer Service policies, 677–683
- Computer half (or branch)
 - changing computer node settings, 145–154
 - Group Policy nodes, 4
- Computers folder, in Active Directory, 46
- conflicts, Offline Files, 570–572
- connection rules, WFAS, 415, 416–417
- connections, slow. *See* slow links
- Contacts, in user profiles (Windows Vista and Longhorn), 474
- container, for GPOs, 37
- Control Panel settings, NTUSER.DAT, 470
- Cookies, in user profiles (Windows 2000/2003/XP), 472
- Corporate Error Reporting (CER), 298
- Creator owner rights, 97
- cross-domain linking, 21, 181
- cross-forest trusts, 162–169
 - client matrix, 167
 - Computer node settings, 146
 - logging on to different clients across, 162–163
 - logging on to Window Vista, 164–165
 - logging on to Windows 2000, 164
 - logging on to Windows 2003 Server, 164
 - logging on to Windows XP, 163–165
 - loopback and, 165–166
 - overview of, 162
 - permissions, 167–169
 - Roaming Profiles and, 503
- CSC (client-side cache), 590
- CSCCMD.exe v. 1.1, 585
- CSEs (client-side extensions)
 - DLLs for processing GPOs, 212
 - listed by Class ID (pre-Vista), 215
 - listed by Class ID (Windows Vista), 216–217
 - setting CSE values, 217–218
 - Software Restriction Policies, 341
 - storing, 198–201
 - vendors, 213–214
 - Windows OSs (pre-Vista), 214–215
 - Windows Vista, 216–217
- CSS (Cascading Style Sheet), 444
- Custom Installation Wizard (CIW), 659–660

D

- DAs (Domain Administrators), 40
- date, correct on client system, 231
- DCPROMO, creating Domain Controllers, 310
- Default Domain Controllers Policy GPO
 - auditing settings, 321
 - restoring defaults, 317–318
 - security settings, 315–317
 - special nature of, 311
 - strictly controlling Active Directory groups, 336
- Default Domain Policy GPO, 311–312
 - modifying directly, 313
 - options for modifying, 315
 - restoring defaults, 317–318
 - special nature of, 311
- Default Domain User Profile folder
 - overview of, 481–482
 - for Windows 2000/2003/XP, 482–483
 - for Windows Vista and Longhorn, 483–485
- Default Local User Profile folder, 478–481
- delegation of control
 - ability to link GPOs, 50–51
 - GPOs, 47–50
 - WMI filters, 97–98
- Delegation of Control Wizard, 51
- Delegation Tab
 - GPOs and links, 67
 - setting permissions on a GPO, 93
- deployment. *See* software deployment
- Desktop
 - redirecting, 549
 - in user profiles for Windows Vista and Longhorn, 474
- Desktop computers, 608–610
- desktop management. *See* managed desktop
- Details Tab, GPOs and links, 66
- Device Manager, 428–429
- DFS (Distributed File System), 628
- DHCP server, 711
- diagnostic event logging
 - pre-Vista, 251–252
 - Windows Vista, 252–253
- diagnostics, advanced information, 652–653
- digital signatures, Software Restriction Policies and, 348
- directories
 - Roaming Profile computer policies, 517
 - Roaming Profiles, User policies, 518
- directory services
 - auditing access to, 325
 - WDS servers, 717–718
- Disabled setting, administrative template policies, 60
- disk quotas
 - designing and implementing strategy for, 615
 - exemptions, 616–617
 - file ownership and, 612–614
 - groups and, 614
 - import/export, 617–618
 - not applied over slow links, 229
 - overview of, 611–612
 - policy processing (Computer node settings), 152–153
 - slow network connections and policy processing and, 141
 - warnings vs. restrictions, 615–616
- disk quotas, policies
 - Apply Policy to Removable Media, 620
 - Default Quota Limit and Warning Level, 619
 - Enable Disk Quotas, 618
 - Enforce Disk Quota Limit, 619
 - Log Event When Quota Limit Exceeded and Log Event When Quota Warning Level Exceeded, 620
- disk space. *See also* disk quotas
 - Limit Disk Space Used by Offline Files policy setting for Offline Files, 607
 - Offline Files, 581, 583
- display name, GPC attributes, 186
- distinguished name (DN), 186
- Distributed File System (DFS), 628
- distributed infrastructure, WDS clients, 736
- distribution points
 - DFS (Distributed File System), 628–629
 - patching distribution point with MSIEXEC, 675–676
- DLLs (Dynamic Link Libraries), 212
- DN (distinguished name), 186
- DNS configuration problems
 - clients, 225, 231–232
 - servers, 225
- DNS server, WDS server components, 711
- document invocation, Windows Installer Service, 623
- Documents, in user profiles for Windows Vista and Longhorn, 474
- Documents and Settings folder, profiles stored in, 471
- Documents folder, Windows Vista
 - granting administrative access to redirected folders, 541–543
 - redirecting, 532, 534
 - Roaming Profiles and, 494–495
 - settings when redirecting, 538–540
 - target location options, 536–537
 - testing redirection of, 546–548
- Domain Administrators (DAs), 40
- Domain Controller Event Log Settings, 317

766 Domain Controllers – files and folders

- Domain Controllers
 - background refresh policy for Windows 2000/2003 Domain Controllers, 125
 - created by DCPROMO process, 310
 - Domain Controller selection (User node settings), 144
 - firewalls on (or between), 233
 - GPOs linked to Domain Controllers OU, 315–317
 - ICMP (ping) disabled from clients to Domain Controllers (pre-Vista), 233–234
 - refresh interval (Computer node settings), 146
 - upgrading, 25
 - what-if calculations in Windows 2003 Domain Controllers, 106
- Domain Controllers OU, 315–317, 336–337
- domain level
 - applying GPOs at (example), 42–44
 - creating custom domain level GPO and setting precedence, 313–315
 - example application of GPOs at, 20
 - GPOs set at, 16
 - security policies, 312–313
 - special permissions, 94–96
- Domain-based GPOs. *See* Active Directory-based Group Policy
- domains
 - in Active Directory networks, 15
 - GPMC scripts for gathering domain information, 441–446
 - GPOs from domain perspective, 181
 - granting right to create GPOs within, 94
 - troubleshooting if machine is joined to, 228–229
 - viewing in GPMC, 32
- Downloads, in user profiles for Windows Vista and Longhorn, 474
- Drive Mapping settings, NTUSER.DAT, 470
- Dynamic Link Libraries (DLLs), 212

E

- EAs (Enterprise Administrators), 40
- Edit rights, WMI filters and, 97–98
- effective policies, vs. local policies, 319
- EFS (Encrypting File System)
 - applied over slow links, 229
 - Folder Redirection and, 550
 - recovery policy, 142, 151–152
- Enabled setting, administrative template policies, 60
- Encrypting File System. *See* EFS (Encrypting File System)

- encryption
 - Encrypt the Offline Files Cache policy setting, 605
 - Offline Files, 569, 581, 583
 - /enforce switch, SECEDIT command, 137–138
 - “Enforced” function, Group Policy, 223
 - Enterprise Administrators (EAs), 40
 - event logs. *See also* logging
 - diagnostic event logging (pre-Vista), 251–252
 - diagnostic event logging (Windows Vista), 252–253
 - policy settings for Offline Files, 601–602
 - Event Viewer
 - diagnostic event logging (pre-Vista), 251–252
 - diagnostic event logging (Windows Vista), 252–253
 - overview of, 251
 - executables, validation required (Windows Vista), 401
 - Explorer settings, NTUSER.DAT, 470
 - export, disk quotas on, 617–618

F

- faAdmxConv.exe, 302
- Fast Boot, 127–130
 - components affected by, 127
 - Folder Redirection and, 551–552
 - policy processing (Windows XP/Vista), 127–128
 - software deployment and, 637
 - troubleshooting (Windows XP/Vista), 224
 - turning off (Windows XP/Vista), 129–130
 - user-account attribute processing details, 129
- Favorites
 - in user profiles for Windows 2000/2003/XP, 472
 - in user profiles for Windows Vista and Longhorn, 474
- file extensions
 - auto-install and, 649
 - software deployment and, 664
- File Replication Service (FRS), 194
- File Virtualization, 477–478
- files and folders
 - auditing file access, 328–329
 - creating folder share, 487
 - disk quotas and file ownership, 612
 - Documents/My Documents folders, 494–495
 - profile folders (Windows 2000/2003), 471–473

- profile folders (Windows Vista and Longhorn), 473–474
- profile folders (Windows XP), 471–473, 479
- roaming and nonroaming folders (Windows 2000/2003/XP), 497–498
- roaming and nonroaming folders (Windows Vista and Longhorn), 498–500
- sharing. *See* shares
- showing hidden, 471
- filters
 - policy settings, 67–71
 - security groups used in GPO filtering, 86–91
- firewalls
 - on/between Domain Controllers, 233
 - what's-going-on calculations and, 101–102. *See also* Windows Firewall
- Folder Redirection, 530–554
 - Advanced Redirected Folders, 531, 543–544
 - Application Data folder, 550
 - background refresh exemptions, 126
 - Basic Redirected Folders, 531–534
 - Desktop, 549
 - Documents/My Documents, 532, 551
 - granting administrative access to redirected folders, 541–543
 - offline availability of redirected folders, 550–551, 602
 - overview of, 530
 - pitfalls, 540–541
 - policy processing, 141, 149
 - settings, 537–540
 - slow links and, 141, 229
 - Start Menu, 549, 551
 - synchronizing redirected My Documents, 586–587
 - synchronous processing and, 128
 - target location, 536–537
 - testing redirection of Documents/My Documents, 546–548
 - troubleshooting, 551–554
 - turning off Offline Files for automatically redirected folders, 608–611
 - verifying with GPRresult, 552–553
 - Windows Vista folders available for redirection, 530–531
 - Windows XP folders available for redirection, 530
- /force switch, gpupdate command, 138
- forced (Super-Mandatory), profiles, 523–524
- forests, viewing in GPMC, 32. *See also* cross-forest trusts
- FRS (File Replication Service), 194
- Full Armor, ADMX Migrator, 301

- Full Control permission
 - shares, 535
 - WMI filters, 97
- Full Sync option, Synchronization Manager (Windows XP/2000), 562

G

- Gartner Group, 528–529
- globally unique identifier (GUID)
 - GPOs (Group Policy Objects), 183
 - WDS machines, 712–713
- GPanswers.com, 290
- gPCFileSysPath, 191
- gPCMachineExtensionNames, 191
- GPCs (Group Policy Containers), 184–187
 - attributes of GPOs, 191–193
 - creation of GPOs, 183
 - Gpoutil.exe for synchronizing with GPTs, 204–207
 - isolating replication problems, 208
 - replication with GPTs, 225
 - verifying synchronization of GPCs and GPTs, 197
- gPCUserExtensionNames, 191
- GPEDIT.MSC
 - editing local policies, 9
 - Local Group Policy (Windows Vista), 10
 - setting local policies, 176–177
- GPLogView, 262–263
- GPM (Group Policy Management) object, 438
- GPMC (Group Policy Management Console), 65–118
 - Active Directory Users And Computers
 - compared with, 30–31
 - backing up and restoring WMI filters, 113
 - backing up GPOs, 108–110
 - Block Inheritance function, 79–81
 - cleaning up older GPOs, 25
 - common procedures, 66–68
 - compatibility table for, 116–117
 - creating GPOs, 36–39
 - delegation of control, 47–50
 - deleting and unlinking GPOs, 77–79
 - disabling one-half or both halves of GPOs, 75–77
 - displaying GPOs from linked perspective, 17
 - enabling/disabling links, 74
 - filtering based on OS and service pack, 69–70
 - filtering scope of GPOs, 86–91
 - filtering view options, 68–69
 - function of, 65

768 GPOs (Group Policy Objects) – Gpotool.exe

- GPOs applied at domain level (example), 42–44
- GPOs applied at OU level (example), 44
- GPOs applied at site level (example), 40–42
- granting right to create GPOs within domain, 94
- granting user permissions for modifying GPOs, 92–93
- history of, 3
- icon types in, 115
- implementing on management stations, 25–28
- including in custom MMC, 28–30
- link warning, 36, 72–73
- managing precedence of multiple GPOs, 71–72
- managing WMI filters, 96–98
- modifying Default Domain Policy GPO directly, 313–314
- object model, 437–438
- old-style interface, 22–23
- overview of, 24–25
- permissions, GPMC vs. Active Directory, 93
- policy settings that can be fully managed, 70–71
- restoring GPOs, 110–113
- RSOP Calculation, 98–99
- “Scope of Management”, 83–86
- scripts. *See* scripts, GPMC
- searches for GPOs, 113–114
- special permissions at domain and OU levels, 94–96
- stopping GPOs, 73
- stopping local GPOs, 74
- tips for use of, 117–118
- view options, 31–34
- what-if calculations, 105–108
- what’s-going-on calculations, 99–105
- Windows OSs and, 22
- GPOs (Group Policy Objects)
 - Active Directory container for, 37
 - Active Directory levels and, 15–16
 - applying to users in more than one domain, 21
 - auditing changes to, 325–328
 - checking if disabled in troubleshooting steps, 221
 - creating, 36–39
 - creating and linking at OU level, 52–55
 - creating new GPO for computers in OU, 56–58
 - default GPOs, 310–311
 - delegation of ability to link, 50–51
 - delegation of control, 47–50
 - for deploying Office 2007, 633–636
 - domain level, 20, 42–44
 - editing (pre-Vista), 545–546
 - function of, 15
 - GPMC for managing. *See* GPMC (Group Policy Management Console)
 - granting OU Admins access to new GPOs, 50–51
 - linking, 17
 - management options, 274–275
 - moving computers into newly created, 56–57
 - OU level, 20, 45–47
 - processing. *See* processing GPOs
 - PushPrinterConnections, 701–703
 - script for backing up, 460–462
 - script for creating/linking, 457–459
 - script for documenting GPO links, 446–450
 - script for documenting GPO properties, 450–453
 - script for importing, 465–468
 - script for listing GPO permissions, 453–457
 - script for restoring, 462–465
 - SCW policy converted to, 377–378
 - site level, 20, 40–42
 - SMS compared with, 692
 - strategy for, 54–55
 - tips for use of, 62–63
 - what you can do to, 82–83
- GPOs (Group Policy Objects), in mixed environment, 273–284
 - creating GPOs (pre-Vista), 276–279
 - creating GPOs (Windows Vista), 279, 283–284
 - editing GPOs (pre-Vista), 280–281
 - editing GPOs (Windows Vista), 282–284
 - editing GPOs (Windows XP), 284
 - management stations and, 275–276
 - overview of, 273–274
 - updating existing GPOs, 281
- GPOs (Group Policy Objects), lifecycle
 - birth of, 182–184
 - death of, 208–209
- GPCs (Group Policy Containers) and, 184–187, 191
- Gpotool.exe for synchronization of GPCs and GPTs, 204–207
- GPTs (Group Policy Templates) and, 194–197
- isolating replication problems, 208
- permissions, 187–190
- Replmon (Replication Monitor) for viewing version numbers, 207
- storage locations of client-side extensions, 198–201
- storing settings, 197
- verifying synchronization of GPCs and GPTs, 197
- version numbers, 201–203
- Gpotool.exe, 204–207

- GPRresult.exe, 235–243
 - computer settings, 239–240
 - keys areas to inspect when troubleshooting
 - client RSoP, 241–242
 - options, 236
 - overview of, 235–236
 - remote calculation of RSoP, 243–247
 - user settings, 240
 - /v option, 242–243
 - verifying Folder Redirection, 552–553
 - for Windows Vista, 237–238
 - GPSI (Group Policy Software Installation)
 - advanced options, 663–664
 - categories, 664
 - as delivery mechanism for shares, 628–629
 - features, 622
 - file extensions, 664
 - general options, 663
 - installing and customizing Office 2007, 656–658
 - licensing and, 635
 - overview of, 621–622, 662
 - rules of deployment, 632
 - SMS and, 694–695
 - gpt.ini
 - overview of, 194–195
 - subfolders, 195–197
 - version numbers stored in, 179
 - GPTs (Group Policy Templates), 194–197
 - ACLs in GPT part of SYSVOL, 234
 - creating GPOs, 183
 - isolating replication problems, 208
 - replication with GPCs, 225
 - synchronizing with GPCs, 204–207
 - verifying synchronization of GPCs and GPTs, 197
 - gpupdate command
 - with /force switch, 138
 - manual background refresh, 132–133
 - graphs, Security Configuration and Analysis, 364–365
 - Group Policy
 - categories, 4–8
 - history of, 3
 - Group Policy Containers. *See* GPCs (Group Policy Containers)
 - Group Policy Creator Owners, 52
 - Group Policy Loopback, 155–162
 - creating GPOs, 158
 - cross-forest trusts and, 165–166
 - loopback processing, 146
 - Merge mode, 155
 - other use for Replace mode, 160–161
 - Replace mode, 155–157
 - Replace mode for Terminal Services, 160
 - troubleshooting Group Policy, 229
 - verifying operation of Replace mode, 158–159
 - Group Policy Management Console. *See* GPMC (Group Policy Management Console)
 - Group Policy Modeling
 - blocking users from using, 145
 - what to expect from, 107
 - what-if calculations, 105–108
 - Group Policy Object Editor, 68
 - Group Policy Objects. *See* GPOs (Group Policy Objects)
 - Group Policy Operational Log, 257–258, 260–262
 - Group Policy Results
 - output generated with, 103–104
 - what's not reported, 105
 - what's-going-on calculations, 100–101
 - Windows Firewall and, 101–102
 - Windows OSs and, 101–102
 - Group Policy Software Installation. *See* GPSI (Group Policy Software Installation)
 - Group Policy Templates. *See* GPTs (Group Policy Templates)
 - groupPolicyContainer. *See* GPCs (Group Policy Containers)
 - groups
 - affected by UAC, 393
 - controlling Active Directory groups, 336–338
 - controlling local groups, 338–339
 - controlling nesting, 339–340
 - controlling which groups can go into other groups, 341
 - disk quotas and, 614
 - Guest accounts
 - profile, 502
 - renaming, 312
 - status of, 312
 - GUID (globally unique identifier)
 - GPOs (Group Policy Objects), 183
 - WDS machines, 712–713
-
- ## H
- hardware devices
 - access restrictions, 429–432
 - classes for restricting device access, 428–429
 - installation restrictions, 429–432
 - overview of, 426–428
 - hardware inventory, with SMS, 692
 - Hash Rule
 - creating new, 346–347
 - Software Restriction Policies, 345
 - Help and Support Center
 - RSoP generation from, 249
 - System tool, 247–248
 - hisecdc, security template, 356

770 hisecws – links

hisecws, security template, 357
 HKEY_CURRENT_USER, 219
 HKEY_LOCAL_MACHINE, 219
 home directory, as target for redirected folders, 536
 HTA (HyperText Application) scripts, 434–435, 444

I

ICMP (ping), disabled from clients to Domain Controllers (pre-Vista), 233–234
 icon, in GPMC, 115
 IEAK, 388–389
 IEM (Internet Explorer Maintenance), 384–387
 IKE-based IPsec policies, 422, 424
 IL (Integrity Level), 401
 Image Groups
 security, 731–732
 single instancing, 730
 images, WDS. *See also* .WIM images
 adding Boot Image, 715–716
 adding drivers to existing images, 733–734
 adding Install Image, 716–717
 associating answer file with WDS image, 734–736
 Image Groups, 729–732
 types of, 715
 imagex.exe utility, 719–720
 import, disk quotas on, 617–618
 importing GPOs, script for, 465–468
 inbound rules, WFAS, 414–416
 incremental security templates, 355–356
 Indexing Service, 360
 .INF template files, 356–357
 security templates and, 354
 Windows 2003 Domain Controllers, 356
 Windows XP Professional, 356–357
 inheritance
 Block Inheritance function, 79–81
 troubleshooting Group Policy, 222
 initial policy processing
 mandatory reapplication for nonsecurity policy, 136–137
 overview of, 120
 Install Image, WDS, 715–717
 Integrity Level (IL), 401
 IntelliMirror, 528
 Interactive Desktop, vs. Secure Desktop, 402
 Internet Explorer, 384–390
 ADM policy settings, 389–390
 ADM templates, 299
 IEAK, 388–389

IEM (Internet Explorer Maintenance), 384–387
 maintenance policy, 148
 overview of version 7, 384
 policy settings, 388
 protected mode, 475
 proxy server setting, 387–388
 settings not applied over slow links, 229
 slow network connections and policy processing and, 141

Internet Explorer Maintenance (IEM), 384–387
 IPsec (IP Security), 419–424
 applied over slow links, 229
 getting started (Windows Vista), 419–422
 policy processing, 150–151
 references, 419
 rules (Windows Vista), 422–423
 server and domain isolation (Windows XP and Vista), 420
 slow network connections and policy processing and, 142

J

joysticks, 427–428

K

Kerberos
 default configuration of, 311–312
 Default Domain Policy settings, 313–314
 IPsec rules, 422–423
 time problems and, 231
 Kerbtray utility, 226–227
 klist.exe, 226

L

Laptop computers, Offline Files and, 608–610
 latency, Windows Vista and, 592
 Layers, MGPOs, 11–12
 LDP, for viewing GPO attributes, 191
 Legacy Images, WDS, 715
 licensing, software deployment and, 635
 links, GPO
 checking disabled in troubleshooting steps, 221
 delegation of ability to link, 50–51
 deleted links are not restored, 111–112
 deleting, 77

- enabling/disabling, 74
 - GPMC link warning, 36, 72–73
 - new links disabled by default, 144
 - overview of, 17
 - permissions, 95
 - scripts for documenting, 446–450
 - slow link detection, 144, 146
 - in user profiles (Windows Vista and Longhorn), 474
 - what you can do to, 82
 - Local Computer Policy Editor, 9
 - local computers, in Active Directory networks, 15
 - Local Group Policy
 - decentralized approach to desktop management, 14
 - file-based part of, 177–178
 - multiple local GPOs (MLGPOs), 11–14
 - on non-Vista computers, 9–10
 - overview of, 9
 - stopping local GPOs, 74
 - tips for working with, 178–179
 - turning off policy processing, 153
 - on Vista computers, 10
 - local groups, controlling, 338–339
 - local policies, vs. effective policies, 319
 - Local Profiles
 - Default Domain User Profile folder, 481–482
 - Default Domain User Profile folder (Windows 2000/2003/XP), 482–483
 - Default Domain User Profile folder (Windows Vista and Longhorn), 483–485
 - Default Local User Profile folder, 478–481
 - Mandatory Profiles and, 519–521
 - merging Local Profile and Roaming Profile, 502
 - migrating to Roaming, 495–497
 - NTUSER.DAT file, 470–471
 - overview of, 470
 - profile folders (Windows 2000/2003/XP), 471–473
 - profile folders (Windows Vista and Longhorn), 473–474
 - public profile (Windows Vista and Longhorn), 477–478
 - Windows XP holdovers linked to Vista, 475–476
 - Local Service, system profile (Windows XP/2003/ Vista), 501
 - Local Settings, in user profiles for Windows 2000/2003/XP, 472
 - Lock Out, Software Metering, 692
 - Log Only, Software Metering, 693
 - logging
 - advanced Folder Redirection, 553–554
 - assigned and published applications, 680–681
 - disk quotas, 620
 - Offline Files, 601–602, 608
 - Security Configuration and Analysis and, 364–365
 - troubleshooting with log files. *See* troubleshooting, with log files
 - logoff
 - deleting Offline Files at, 605
 - not syncing Offline Files at (Windows Vista), 564
 - Offline Files policies, 605
 - Roaming Profile policies, 513
 - Synchronization Manager (Windows XP/2000), 563
 - synchronizing Offline Files at, 580, 596
 - logoff scripts
 - background refresh exemptions, 126
 - settings, 332
 - users assigned, 330
 - logon
 - application installed at, 649
 - not synchronizing Offline Files at (Windows Vista), 564
 - Roaming Profile policies, 509–510
 - Synchronization Manager (Windows XP/2000), 563
 - synchronizing Offline Files at, 580, 596
 - troubleshooting Group Policy, 225–227
 - logon scripts
 - asynchronous and synchronous processing, 332
 - background refresh exemptions, 126
 - not working as expected in Windows Vista, 333–335
 - settings, 332
 - visibility of legacy logon scripts, 333
 - LOGONSERVER variable, 226–227
 - Longhorn Server. *See* Windows Server Longhorn
 - loopback. *See* Group Policy Loopback
-
- ## M
- machine policy refresh, preventing users from invoking, 147
 - managed desktop, 527–620. *See also* Roaming Profiles
 - change and configuration management, 528–529
 - Offline Files. *See* Offline Files
 - overview of, 527–528
 - redirecting folders. *See* Folder Redirection
 - software deployment. *See* software deployment
 - managed software, 622

772 management stations – Network Service system profile

management stations

- Administrative Templates and, 275–276
- central store (Windows Vista), 286–289
- creating GPOs, 279
- editing GPOs, 282–284
- editing GPOs from pre-Vista station, 545–546
- IE policy settings and, 388
- leveraging ADM templates (Windows Vista), 290–291
- managing GPOs, 275
- options for managing Group Policy infrastructure, 25
- printer deployment with, 699–700
- Windows Server 2003 and, 26–28
- Windows Vista and, 26, 284–285
- Windows XP and, 26–28

Mandatory Integrity Control (MIC), 392, 401

Mandatory Mode, IEM (Internet Explorer Maintenance), 387

Mandatory Profiles

- forced (Super-Mandatory), 523–524
- from Local Profiles, 519–521
- overview of, 518–519
- from Roaming Profiles, 522–523

media sources, 680, 685

member computers, background refresh intervals for Windows 2000/2003 members, 124–125

Merge mode, Group Policy Loopback, 155

MIC (Mandatory Integrity Control), 392, 401

mice, access restrictions and, 427–428

Microsoft, security templates from, 357–358

Microsoft Management Console. *See* MMC (Microsoft Management Console)Microsoft Office. *See* OfficeMicrosoft Windows. *See* Windows

MLGPOs (multiple local GPOs), 11–14

MMC (Microsoft Management Console).

See also GPMC (Group Policy Management Console)

custom MMC for unified management of Group Policy, 28–30

RSOP MMC snap-in, 248–250

Security Configuration and Analysis MMC snap-in. *See* Security Configuration and Analysis MMC snap-inSecurity Templates MMC snap-in. *See* Security Templates MMC snap-in

.MSI, 624–628

automatically removing assigned or published applications, 665–666

creating own .MSI package, 629–630

forcefully removing assigned or published applications, 667–668

MSIEXEC tool for managing, 673–676

overview of, 624

setting up administrative installation, 626–627

setting up administrative shares, 627–628

setting up software distribution share, 625–626

utilizing existing .MSI files, 624–625

MSICUU (Windows Installer Clean Up Utility), 669

MSIEXEC tool, 673–676

Administrative Installation of Office, 627

installing application with, 674

managing .MSI files, 673

overview of, 674

patching distribution point with, 675–676

repairing application with, 675

MSIZAP, 669

.MST

applying .MST files to installation, 660–661

caching, 680

deploying Office (pre-2007), 659–660

overview of, 655–656

multiple local GPOs (MLGPOs), 11–14

Music, in user profiles for Windows Vista and Longhorn, 474

My Documents (pre-Vista)

granting administrative access to redirected folders, 541–543

redirecting, 532, 534

Roaming Profiles and, 494–495

settings when redirecting, 538–540

target location options, 536–537

testing redirection of, 546–548

Use Localized Subfolder Names When

Redirecting Start and My Documents policy setting, 551

in user profiles for Windows 2000/2003/XP, 472–473

N

names, default names for GPOs, 144–145

National Institute of Standards and Technology (NIST), 358

National Security Agency (NSA), 358

NetHood user profile (Windows 2000/2003/XP), 473

Netmeeting, 692

network cards, PXE-capable, 711–712

network security

Force logoff setting for expiration, 312

SCW (Security Configuration Wizard), 374–375

Network Service system profile (Windows XP/2003/Vista), 501–502

Network Zone Rule, Software Restriction Policies, 346
 NIST (National Institute of Standards and Technology), 358
 NLA refresh, 230–231
 NLTEST, 229
 nodes (User and Computer), Group Policy, 3
 Not configured setting, administrative template policies, 59
 NSA (National Security Agency), 358
 NT4 System Policy, 169–171
 NTFS permissions
 disk quotas and, 612
 Folder Redirection and, 538
 shares and, 629
 software distribution and, 626
 NTUSER.DAT file
 creating own Registry settings in, 479–481
 UPHclean utility, 486–487
 user and computer setting stored in, 470–471

O

object model, GPMC, 437–438
 objectGUID attribute, 186
 Office (pre-2007)
 ADM templates (Office 2000/XP), 294–298
 Administrative Installation (Office 2000/2003/XP), 627
 customized policy for, 296–297
 .MST files for deploying, 659–660
 Office 2007
 ADM templates, 295–296
 Administrative Installation, 627
 ADMX templates, 300
 deploying to computers not users, 645
 GPO for deploying, 633–636
 installing and customizing with GPSI, 656–658
 Offline Files
 autocache vs. administratively assigned, 572–573
 cache encryption (Windows Vista), 569
 conflict handling, 570–572
 desktop vs. laptops, 608–610
 handling of downed shares (Windows Vista), 564
 handling of synchronization (Windows Vista), 564
 making available, 555–559
 no syncing at logon/logoff (Windows Vista), 564–565
 offline experience improved with unified namespace view (Windows Vista), 567–568
 other improvement (Windows Vista), 569–570
 overview of, 554–555
 slow link detection, 584
 Synchronization Manager (Windows XP/2000), 560–562
 Synchronization Manager (Windows XP/2000), limitations of of, 606
 synchronization modes (Windows XP), 562–564
 transfer technology (Windows Vista), 565
 troubleshooting, 608
 turning off for automatically redirected folders, 608–611
 user interface (Windows Vista), 565–567
 Windows 2000 Server, 582
 Windows Server 2003, 582
 Offline Files, client configuration of, 572–585
 caching options, 573–576
 manually managing interface (pre-Vista), 579–582
 manually managing interface (Windows Vista), 582–585
 overview of, 572–573
 Windows Explorer role in caching files, 577–579
 Offline Files, over slow links
 mode policy, 607
 Offline Files, 584
 Offline Files (Windows Vista), 569
 overview of, 585–586
 public shares for synchronization, 587
 speed policy setting for Offline Files, 605
 synchronization (Windows 2000), 587–588
 synchronization (Windows Vista), 590–594
 synchronization (Windows XP), 588–589
 synchronizing redirected My Documents, 586–587
 Offline Files, policies
 Action on Server Disconnect, 597
 Administratively Assigned Offline Files, 598–599
 All Files and Programs that Users Open from the Share Will Be Automatically Available Offline, 558–559
 Allow or Disallow Use of the Offline Files Feature, 603–604
 Configure Slow Link Speed, 605
 Configure slow-link mode, 607
 Default Cache Size, 603
 Do Not Automatically Make Redirected Folders Available Offline, 602
 Encrypt the Offline Files Cache, 605
 Event Login Level, 601–602
 Files Not Cached, 604
 Files of Programs from the Share Will Not Be Available Offline, 559

774 “Only show configured policy settings” option – precedence

- Initial Reminder Balloon Lifetime, 601
- Limit Disk Space Used by Offline Files, 607
- At Logoff, Delete Local Copy of User’s Offline Files, 605
- Nondefault Server Disconnect Actions, 597
- Only the Files and Programs that Users Specify Will Be Available Offline, 555–558
- overview of, 594–595
- Prevent Use of Offline Files Folder, 598
- Prohibit “Make Available Offline” for These Files and Folders, 602
- Prohibit User Configuration of Offline Files, 595
- Reminder Balloon Frequency, 599–601
- Reminder Balloon Lifetime, 601
- Remove “Make Available Offline”, 597
- Subfolders Always Available Offline, 605
- Synchronize All Offline Files Before Suspend, 596
- Synchronize All Offline Files When Logging On/Off, 596
- Turn Off Reminder Balloons, 599
- Turn On Economical Application of Administrative Assigned Offline Files, 607
- “Only show configured policy settings” option
 - filtering policy settings, 69
 - User node settings, 145
- OnScript, XLNow, 437
- operational logs. *See* Group Policy
 - Operational Log
- OU level
 - applying GPOs at, 16, 45–47
 - creating and linking GPOs at, 52–55
 - creating new GPO for computers in, 56–58
 - example application of GPOs at, 20
 - granting OU Admins access to new GPOs, 50–51
 - special permissions, 94–96
- OUs (organizational units)
 - in Active Directory networks, 15
 - creating new, 157
 - GPOs viewed from OU perspective, 181
 - moving client into, 158
 - not applying policy to groups in, 222
 - password and account policies on, 232
 - target computers and target users in correct OU, 232–233
- outbound rules, WFAS, 414–416
- ownership
 - file ownership and disk quotas, 612–614
 - Roaming Profile computer policies, 504

P

- Password policy, 319–321
 - default configuration of, 311–312
 - Default Domain Policy settings, 313–314
 - setting up on OUs, 232
- patches
 - managing, 683
 - .MSI files, 678, 680
 - SMS Patch Management, 694
- Path Rule, Software Restriction Policies, 345
- PC cards, PXE-capable, 711–712
- PDC Emulator, 182–183
- Perform Group Policy Modeling analyses
 - permission, 95–96
- performance
 - impact of WMI filters on, 690
 - processing GPOs and, 264–265
- permissions, 187–190
 - creation of GPOs, 188–189
 - cross-forest trusts, 167–169
 - Full Control vs. Change permissions for shares, 535
 - granting right to create GPOs within domain, 94
 - granting user permissions for modifying GPOs, 94
 - linking GPOs, 95
 - manipulating and editing GPOs, 189–191
 - scripts for listing GPO permissions, 453–457
 - shares, 629
 - special permissions at domain and OU levels, 94–96
 - troubleshooting Folder Redirection, 552
 - troubleshooting Group Policy, 223–224
 - who can do what, 187
- Pictures profile (Windows Vista and Longhorn), 474
- pinning files, 555–557
- policies, vs. preferences, 268–270
- Policy Removal setting, Folder Redirection, 539–540
- policy settings
 - filtering, 67–71
 - locating specific, 70–71
 - OS supported, 8
 - that can be fully managed, 70–71
- ports, Windows Firewall, 410
- power users, 405
- PowerShell, 435
- Pre-boot eXecution Environment (PXE) Boot ROM. *See* PXE (Pre-boot eXecution Environment) Boot ROM
- precedence
 - managing precedence of multiple GPOs, 71–72
 - troubleshooting and, 222–223

- WFAS properties, 425
 - WFAS rules, 416–418, 426
 - Preference Mode, IEM (Internet Explorer Maintenance), 387
 - preferences
 - ADM files containing definitions for old-style preferences, 291–294
 - vs. policies, 268–270
 - PrimalScript, from Sapien Technologies, 437
 - Principle of Least Privilege, (Windows Vista), 392
 - Print Management Console, 703
 - Printer deployment, 698–703
 - management stations for (Windows Vista), 699–700
 - overview of, 698–703
 - PushPrinterConnections, 701–703
 - updating Active Directory schema and, 699
 - verifying printer assignment on target machines (Vista/XP), 700–701, 703
 - Printer settings, NTUSER.DAT, 470
 - PrintHood profile (Windows 2000/2003/XP), 473
 - privileges
 - Principle of Least Privilege, 392
 - UAC (User Account Control), 393–394
 - processing GPOs, 119–174
 - background refresh. *See* background refresh policy
 - Computer node settings. *See* Computer half (or branch)
 - core processing (pre-Vista), 210–211
 - core processing (Windows Vista), 211–212
 - cross-forest trusts and. *See* cross-forest trusts initial policy. *See* initial policy processing loopback. *See* Group Policy Loopback moving users or computer objects and, 138–139
 - NT4 System Policy intermixed with Group Policy, 169–171
 - overview of, 119
 - performance issues, 264–265
 - principles, 119–121
 - RAS for applying policies remotely, 139–140
 - review of normal approach, 154–155
 - slow network connections and, 141–143
 - User node settings, 143–145
 - ProcessMonitor, Sysinternals, 303
 - product code, of application, 652
 - profile folders
 - Windows 2000/2003/XP, 471–473, 479
 - Windows Vista and Longhorn, 473–474
 - profiles
 - domain vs. standard firewall profiles (Windows XP and Windows Server 2003), 408–409
 - Guest account profile, 502
 - local. *See* Local Profiles
 - mandatory. *See* Mandatory Profiles
 - merging Local Profile and Roaming Profile, 502
 - modifying profile path of multiple users simultaneously, 491–492
 - overview of, 469
 - roaming. *See* Roaming Profiles
 - system profiles new in Windows XP/2003/Vista, 501–502
 - properties
 - GPMC scripts for documenting GPO properties, 450–453
 - WFAS rules, 412–413
 - protected mode, Internet Explorer, 475
 - proxy server settings, Internet Explorer 7, 387–388
 - Public profile (Windows Vista and Longhorn), 477–478
 - public shares, for synchronization of Offline Files, 587
 - published applications. *See also* software deployment
 - logging, 681
 - publishing, 631
 - rules of deployment, 632
 - target location, 633
 - testing, 637, 643–645
 - PushPrinterConnections, 701–703
 - PXE (Pre-boot eXecution Environment)
 - Boot ROM
 - Boot tab, 718
 - Client tab, 719
 - remote boot disk, 721
 - response settings, 718–719
 - WDS client components, 711–712
-
- Q**
- Quick Sync option, Synchronization Manager (Windows XP/2000), 562
-
- R**
- RAS (Remote Access Service), 139–143
 - slow network connections and policy processing, 141–143
 - speed issues in policy processing and policy reapplication in Windows OSs, 139–140

776 Read Group Policy Results Data permission – Roaming Profiles

- Read Group Policy Results Data
 - permission, 96
- REDIRCMP command, 47
- REDIRUSR command, 47
- refresh interval
 - for computers, 146
 - for Domain Controllers, 146
 - for users, 144
- Registry
 - Administrative Templates stored in, 219–220
 - Computer node settings, 147–148
 - NTUSER.DAT file, 470–471
 - persistence of changes and, 268
 - redirection of files to proper Registry locations, 403
 - Roaming Profile computer policies, 513
 - SCW (Security Configuration Wizard), 375
 - Software Restriction Policies stored in, 351
 - troubleshooting ADM/ADMX templates, 306–307
 - virtualization, 477–478
- Reminder Balloons, Offline files, 599–601
- remote assistance, for Standard Users, 403–404
- Remote Control, SMS (Systems Management Server), 692
- Remote Installation Services. *See* RIS (Remote Installation Services)
- remote users, roaming profile, 508
- Removable Media, disk quotas applied to, 620
- removable storage devices
 - hardware access restrictions, 427–428
 - hardware devices installation restrictions, 432
- removing applications, 665–669
 - automatically removing assigned or published .MSI applications, 665–666
 - forcefully removing assigned or published .MSI applications, 667–668
 - manually changing or removing, 665
 - removing .ZAP applications, 667–668
 - troubleshooting, 667–668
- Repair folder, tweaking, 360–362
- Replace mode, Group Policy Loopback
 - creating GPOs, 158
 - other use for, 160–161
 - overview of, 155–157
 - for Terminal Services, 160
 - verifying operation of, 158–159
- replication
 - FRS for replication of GPTs to Domain Controllers, 194
 - GPTs and GPCs and, 225
 - isolating replication problems, 208
- Replmon (Replication Monitor), 207
- Restart Manager, 683
- restore points, System Protection, 704
- restoring GPOs, 110–113, 462–465
- restoring WMI filters, 113
- Restricted Groups
 - Active Directory groups, 336–338
 - controlling which groups can go into other groups, 341
 - group nesting, 339–340
 - local groups, 338–339
 - overview of, 335–336
 - tricking to allow adding members (rather than rip and replace), 340–341
 - when settings get refreshed, 338
 - when settings take effect, 338
- Resultant Set of Policies. *See* RSoP (Resultant Set of Policies)
- right and privileges, UAC (User Account Control), 393–394
- RIPREP images, converting to .WIM, 728–729
- RIS (Remote Installation Services)
 - converting RIS images to WDS images, 725–729
 - WDS based on, 710
 - WDS compared with, 711
- Roaming Profiles
 - caching and, 488–489
 - creating from Mandatory Profiles, 522–523
 - cross-forest trusts and, 146, 503
 - improvements from NT4, 485–486
 - managing, 502
 - merging Local Profile and Roaming Profile, 502
 - migrating Local Profiles to, 495–497
 - in mixed environment (Vista and XP), 494
 - modifying profile path of multiple users simultaneously, 491–492
 - Offline Cache settings and, 570
 - overview of, 485–486
 - roaming and nonroaming folders (Windows 2000/2003/XP), 497–498
 - roaming and nonroaming folders (Windows Vista and Longhorn), 498–500
 - setting up, 486–490
 - testing roaming from Vista to Vista, 493
 - testing roaming from XP to XP, 492
- Roaming Profiles, Computer policies, 503–514
 - Add the Administrators Security Group to Roaming User Profiles, 510
 - Allow Only Local User Profiles, 511
 - Delete Cached Copies of Roaming Profiles, 505–506
 - Delete User Profiles Older Than a Specified Number of Days, 506–507
 - Do Not Check for User Ownership of Roaming Profile Folders, 504

- Do Not Detect Slow Network
 - Connections, 508
- Do Not Forcefully Unload the Users Registry at User Logoff, 513
- Do not log users on with temporary profiles, 509–510
- flow chart, 512
- Leave Windows Installer and Group Policy Software Installation Data, 511, 513
- Maximum Retries to Unload and Update User Profile, 510
- Prevent Roaming Profile Changes from Propagating to the Server, 511
- Prompt User When Slow Link Is Detected, 508–509
- Set Maximum Wait Time for the Network if a User Has a Roaming User Profile or Remote Home Directory, 514
- Set Roaming Profile Path for All Users Logging on to This Computer, 513
- Slow Network Connection Timeout for User Profiles, 507–508
- Timeout for Dialog Boxes, 509
- Wait for Remote User Profile, 508
- Roaming Profiles, User policies, 514–518
 - Connect Home Directory to Root of the Share, 518
 - Excluding Directories in Roaming Profile, 517
 - Limit Profile Size, 514–517
- role-based configuration section, SCW (Security Configuration Wizard), 373–374
- rollback
 - .MSI files, 678
 - prohibiting, 685
- Routing and Remote Access (RRAS), 61–62
- RRAS (Routing and Remote Access), 61–62
- RSoP (Resultant Set of Policies)
 - blocking users from using, 145
 - examples of RSoP, 21
 - GPMC for managing, 98–99
 - GPRresult (Windows XP, Windows 2003, and Windows Vista), 236–243
 - Help and Support System tool for graphical display, 247–248
 - MMC snap-in, 248–250
 - overview of, 18–19
 - preventing users from generating, 147
 - remote calculation of RSoP, 243–247
 - turning off, 146–147
 - what-if calculations, 105–108
 - what’s-going-on calculations, 99–105
 - Windows 2000, 235–236
 - Windows XP, Windows 2003, and Windows Vista, 236
- RSoP Calculation, 18
- rules, Software Restriction Policies, 344–346

- rules, WFAS
 - connection security, 416–417
 - inbound and outbound, 414–416
 - IPsec, 422–423
 - precedence, 416–417, 426
- rules of deployment, 632

S

- Safe Mode, 399
- SAM (Security Accounts Manager)
 - database, 178
- Save Security Policy section, SCW (Security Configuration Wizard), 376
- Saved Games profile (Windows Vista and Longhorn), 474
- schema, Active Directory, 382, 699
- Schema Master Domain Controller, 699
- Scope of Management. *See* SOM (Scope of Management)
- Scope Tab, GPOs and GPO links, 66
- scripts (logon, logoff, startup, shutdown), 330
 - background refresh exemptions, 126
 - logon and logoff script settings, 332
 - overview of, 330
 - policy processing (Computer node settings), 149–150
 - slow network connections and policy processing and, 141, 143
 - startup and shutdown script settings, 331
 - synchronous vs. asynchronous processing, 332–333
 - timing out, 333
- scripts, for managing offline cache, 569
- scripts, GPMC, 433–468
 - backing up GPOs, 460–462
 - creating/linking new GPOs, 457–459
 - documenting GPO and WMI filter links, 446–450
 - documenting GPO properties, 450–453
 - gathering domain and site information with, 441–446
 - before getting started, 435
 - “gotchas”, 436
 - GPMC object model, 437–438
 - HTA scripts, 434–435
 - importing GPOs, 465–468
 - listing GPO permissions, 453–457
 - overview of, 433–434
 - references, 436
 - requirements, 438–440
 - restoring GPOs, 462–465
 - toolkit, 437

778 SCW (Security Configuration Wizard) – Security Templates MMC snap-in

- SCW (Security Configuration Wizard), 371–378
 - Audit Policy section, 375–376
 - converting SCW policy to GPO, 377–378
 - first use, 372–373
 - installing, 371–372
 - network security section, 374–375
 - overview of, 371
 - Registry settings section, 375
 - role-based configuration section, 373–374
 - Save Security Policy section, 376
 - warnings for use of, 378
- searches, for GPOs, 113–114
- Searches profile (Windows Vista and Longhorn), 474
- SECEDIT command
 - analyzing security templates, 366–367
 - applying security templates, 365–366
 - configuring machine for use with security templates, 367–369
 - with /enforce switch, 137–138
 - manual background refresh, 131
 - rollback of security templates, 367
- Secure Desktop, vs. Interactive Desktop, 402
- securedc, security template, 356
- securews, security template, 357
- Security Accounts Manager (SAM)
 - database, 178
- Security Configuration and Analysis
 - MMC snap-in
 - analyzing results with, 364–365
 - applying security templates, 365–368
 - baselines for analysis, 362–363
 - overview of, 362
 - running security analysis on current machine, 363–364
- Security Configuration Wizard. *See* SCW (Security Configuration Wizard)
- security descriptors, 453
- security groups
 - GPO filtering and, 86–91
 - Group Policy and, 84–85
 - Roaming Profile computer policies, 510
- security options
 - Default Domain Controllers Policy
 - GPO, 317
 - software deployment, 661–662
- security policies, designing, 380
- security policies, implementing, 309–380
 - auditable events, 321–325
 - auditing file access, 328–329
 - auditing GPO changes, 325–328
 - creating custom domain level GPO and setting precedence, 313–315
 - Default Domain Controllers Policy GPO and, 315–317
 - Default Domain Policy GPO and, 311–312
 - local vs. effective policies, 319
 - logon and logoff scripts, 332
 - logon scripts not working as expected in Windows Vista, 333–335
 - modifying Default Domain Policy GPO directly, 313
 - overview of, 309–310
 - passwords, 319–321
 - repairing default GPOs for Windows 2000 domains, 318
 - repairing default GPOs for Windows 2000/2003 domains, 318
 - Restricted Groups. *See* Restricted Groups
 - scripts (logon, logoff, startup, shutdown), 330
 - scripts, synchronous vs. asynchronous processing, 332–333
 - SCW (Security Configuration Wizard). *See* SCW (Security Configuration Wizard)
 - Security Configuration and Analysis snap-in. *See* Security Configuration and Analysis MMC snap-in
 - Software Restriction Policies. *See* Software Restriction Policies
 - special domain level policies, 312–313
 - startup and shutdown scripts, 331–332
 - templates for. *See* Security Templates MMC snap-in
- security policies, processing
 - background security refresh for Windows OSs, 135–136
 - Computer node settings, 150
 - forcing refresh manually, 137–138
 - going around, 135
 - mandatory reapplication for nonsecurity policy, 136–137
 - manually changing background security refresh, 135
 - overview of, 120, 132–135
 - troubleshooting, 232
 - for Windows OSs, 135–136
- security settings, advanced inspection, 232
- Security Templates MMC snap-in, 353–362
 - applying with Group Policy, 368–370
 - applying with Security Configuration and Analysis snap-in, 365–368
 - creating new, 359
 - default security for Windows 2003 and XP, 355
 - incremental, 355–356
 - .INF template files, 356–357
 - options for using, 358–359
 - overview of, 353–355
 - reusing existing, 359–362
 - sources, 357–358

- SendTo profiles (Windows 2000/2003/XP), 473
- Server Operators group, 49
- servers
 - DNS configuration problems, 225
 - Offline Files policies, 597
 - shadow copies setup on, 704–706
 - WDS. *See* WDS servers
- service packs, 69–70
- Settings Tab
 - Folder Redirection, 537–540
 - GPOs and links, 66–67
- shadow copies, 703–710
 - delivering to clients, 706–707
 - overview of, 703
 - restoring previous version of a file, 708–710
 - reverting to previous version of a file, 707–708
 - setting up and using for local machines (Windows Vista), 704
 - setting up on server, 704–706
- shared files and folders. *See* shares
- shares
 - Full Control vs. Change permissions, 535
 - handling of downed, 564
 - offline availability, 559
 - permissions, 629
 - public shares for synchronization, 587
 - setting up share for My Documents, 533
 - software deployment permission, 629
 - software distribution permission, 626
- shutdown scripts, 331–332
 - background refresh exemptions, 126
 - settings, 331
- single instancing, Image Groups and, 730
- site level
 - applying GPOs at (example), 20, 40–42
 - GPOs set at, 16
- sites
 - in Active Directory networks, 15
 - GPMC scripts for gathering domain information, 441–446
 - GPOs from site perspective, 181–182
 - troubleshooting configuration, 231
 - viewing in GPMC, 32
- slow links
 - assigning applications over (Windows 2000), 671–673
 - assigning applications over (Windows XP/2003/Vista), 673
 - changing default slow-link behavior, 670
 - Computer node settings, 146
 - Offline Files over. *See* Offline Files, over slow links
 - processing GPOs and, 141–143
 - Roaming Profile computer policies, 507–509
 - software deployment, 669–671
 - troubleshooting Group Policy, 229
 - User node settings, 144
 - Windows Vista, 212
- SMS (Systems Management Server), 691–695
 - vs. GPOs, 692
 - GPSI and, 694–695
 - hardware and software inventory with, 692
 - overview of, 691
 - patch management, 694
 - remote control feature, 692
 - software deployment with, 693–694
 - Software Metering, 692–693
 - software deployment. *See also* GPSI (Group Policy Software Installation)
 - advanced deployment options, 651–652
 - advanced diagnostic information, 652–653
 - application isolation and, 645–646
 - applying .MST files to installation, 660–661
 - assigning applications, 630–631
 - assigning applications over slow links (Windows 2000), 671–673
 - assigning applications over slow links (Windows XP/2003/Vista), 673
 - automatically removing assigned or published .MSI applications, 665–666
 - categories, 654–655
 - deployment options, 649
 - deployment type settings, 648
 - distribution point for, 628–629
 - forcefully removing assigned or published .MSI applications, 667–668
 - general options, 647–648
 - GPO for deploying Office 2007, 633–636
 - GPSI and, 621–622
 - installation user interface options, 650
 - installing and customizing Office 2007 with GPSI, 656–658
 - licensing and, 635
 - manually changing or removing applications, 665
 - .MSI packages, 624–630
 - MSIEXEC tool, 674–676
 - .MST files for deploying Office (pre-2007), 659–660
 - over slow links, 669–671
 - publishing applications, 631
 - removing .ZAP applications, 668
 - rules of deployment, 632
 - security options, 661–662
 - share permissions and, 629
 - SMS Software Deployment feature, 693–694
 - target location, 633
 - testing assigned applications, 637–640
 - testing published applications, 643–645
 - Transform Files, 655–656
 - troubleshooting application removal, 668
 - upgrade options, 653–654

780 software installation (distribution) – SYSVOL

- Windows Installer Service, 623
- Windows Installer Service computer policies, 677–683
- Windows Installer Service user policies, 684–685
- .ZAP files, 640–643
- software installation (distribution)
 - background refresh exemptions, 126
 - policy processing (Computer node settings), 148–149
 - Roaming Profile computer policies, 511, 513
 - slow network connections and policy processing and, 142
 - synchronous processing and, 128
- software inventory, with SMS, 692
- Software Metering, SMS (Systems Management Server), 692–693
- Software Restriction Policies, 341–353
 - digital signatures and, 348
 - locking yourself out of system, 352
 - overview of, 341–343
 - philosophies, 343–344
 - rules, 344–346
 - setting up with a rule, 344–346
 - slow network connections and policy processing and, 142
 - testing, 347
 - troubleshooting, 351–352
 - understanding when they apply, 348–350
- Software Update Services (SUS), 298
- SOM (Scope of Management)
 - filtering scope of GPOs, 86–91
 - overview of, 83–86
 - uninstall application that fall out of, 649
- split token users, Windows Vista, 393–395
- Standard Users
 - over the shoulder help, 404
 - “Ready for Windows Vista” logo protection, 404–405
 - remote assistance for, 403–404
 - sharing with power users, 405
 - UAC (User Account Control), 391
- Start Menu
 - redirecting, 549, 551
 - in user profiles for Windows 2000/2003/XP, 473
- startup scripts, 331–332
 - asynchronous and synchronous processing, 332
 - background refresh exemptions, 126
 - computers assigned, 330
 - settings, 331
 - wait time (Computer node settings), 153–154
- state transitions, Synchronization Manager (Windows XP/2000), 589
- subinacl.exe, 614
- SUS (Software Update Services), 298
- Sync Center
 - troubleshooting, 608
 - Windows Vista, 566–567
- Sync Log, 608
- synchronization, GPT with GPC, 202
- synchronization, of Offline Files
 - better handling (Windows Vista), 564
 - conflict handling, 570–572
 - logon/logoff policy, 580, 596
 - logon/logoff policy (Windows Vista), 564
- My Documents, 586–587
- public shares for, 587
- shortcomings addressed by Windows Vista, 564
- suspend policy, 596
- Synchronization Manager (Windows XP/2000) and, 560–562
- Windows 2000, 587–588
- Windows Vista, 590–594
- Windows XP, 588–589
- Synchronization Manager (Windows XP/2000)
 - limitations of, 606
 - logon/logoff behavior, 563
 - Offline Files and, 562–564
 - state transitions, 589
 - synchronizing Offline Files, 560–562
 - synchronizing Offline Files over slow links, 588–589
- synchronization modes (Windows XP), 562–564
- synchronous processing
 - defined, 122
 - scripts (logon, logoff, startup, shutdown), 332–333
 - Windows XP/Vista and, 128, 130
- syntax, WMI filters, 688
- System Event Log, 257
- System Policy, NT4, 169–171
- system profiles (Windows XP/2003/Vista), 501–502
- System Protection (Windows Vista), 704
- System Restore, 682
- Systems Management Server. *See* SMS (Systems Management Server)
- SYSVOL
 - ACLs in GPT part of SYSVOL, 234
 - preventing SYSVOL bloat (pre-Vista), 278–279
 - viewing GPTs in, 194

T

- target location
 - Folder Redirection, 536–537
 - software deployment, 633
- Taskbar settings, NTUSER.DAT, 470
- TCO (Total Cost of Ownership)
 - Gartner Group, 528–529
 - GPSI and, 622
- templates, for security policies. *See* Security Templates MMC snap-in
- Templates profile (Windows 2000/2003/XP), 473
- Terminal Services
 - Group Policy and, 61
 - installing .MSI files from, 680
 - policy settings, 161–162
 - support for Roaming Profiles, 486
- throughput (Windows Vista), 592
- time, correct on client system, 231
- timeout settings, Roaming Profile computer policies, 509
- token filtering, UAC (User Account Control), 394–396
- Total Cost of Ownership (TCO)
 - Gartner Group, 528–529
 - GPSI and, 622
- transfer technology, 565
- Transform Files. *See* .MST
- troubleshooting
 - application removal, 667–668
 - Folder Redirection, 551–554
 - Offline Files, 608
 - Software Restriction Policies, 351–352
- troubleshooting, advanced inspection, 224–234
 - ACLs in GPT part of SYSVOL, 234
 - asynchronous processing (Windows 2000), 224–225
 - computer and user accounts not really moved, 227–228
 - date and time problems, 231
 - DNS configuration problems, 225, 231–232
 - Fast Boot (Windows XP/Vista), 224
 - firewalls on (or between) Domain Controllers, 233
 - GPT-GPC replication problems, 225
 - ICMP (ping) disabled from clients to Domain Controllers (pre-Vista), 233–234
 - logon problems, 225–227
 - loopback enabled, 229
 - machine properly joined to domain, 228–229
 - NLA refresh (Windows Vista), 230–231
 - overview of, 175–176
 - password and account policies on OUs, 232
 - security settings, 232
 - site configuration, 231
 - slow link problems, 229
 - target computers and target users in correct OU, 232–233
- troubleshooting, basic inspection, 221–224
 - Block Inheritance function, 223
 - “Enforced” function, 223
 - GPO or link disabled, 221
 - inheritance, 222
 - multiple policy objects and precedence, 222
 - not applying policy to groups in OUs, 222
 - permissions, 223–224
- troubleshooting, client-side, 234–250
 - GPRresult for (Windows XP, Windows 2003, and Windows Vista), 236–243
 - Help and Support System tool, 247–248
 - overview of, 234–235
 - remote calculation of RSoP using GPRresult, 243–247
 - RSoP (Windows 2000), 235–236
 - RSoP (Windows XP, Windows 2003, and Windows Vista), 236
 - RSoP MMC snap-in, 248–250
- troubleshooting, with log files, 250–265
 - admin logs (Windows Vista), 258–260
 - diagnostic event logging (pre-Vista), 251–252
 - diagnostic event logging (Windows Vista), 252–253
 - Event Viewer, 251
 - GPLogView, 262–263
 - operational logs (Windows Vista), 260–262
 - overview of, 250
 - Software Restriction Policies, 351–352
 - verbose logging (pre-Vista), 253–256
 - verbose logging (Windows Vista), 257–258
- Trusted Root Certificates, 391

U

- UAC (User Account Control), 390–406
 - Admin Approval mode for built-in administrator account, 399–400
 - application installation detection behavior, 400–401
 - elevation of users to admin status, 400
 - Group Policy controls for, 396
 - groups affected by, 393
 - no local administrator account on Windows Vista, 397–399

782 UI Process Isolation (UIPI) – WDS clients

- overview of, 390–392
- recommendations for policy settings, 403–406
- redirection of files to proper Registry locations, 403
- requiring validation of executables (Windows Vista), 401
- right and privileges, 393–394
- running all administrators in Admin Approval mode, 402
- Secure Desktop vs. Interactive Desktop, 402
- token filtering and, 394–396
- UIAccess applications, 401
- UI Process Isolation (UIPI), 392
- UIAccess applications, 401
- UIPI (UI Process Isolation), 392
- unattend.xml, 734
- updates, prohibiting removal, 682
- upgrades, software deployment, 653–654
- UPHclean utility, 486–487
- U.S. government, security templates from, 358
- User Account Control. *See* UAC (User Account Control)
- User half (or branch)
 - Group Policy nodes, 4
 - User node settings, 143–145
 - Windows Installer Service policies, 684–685
- user interface, for installation, 650
- user interface, for Offline Files
 - handling of synchronization (Windows Vista), 564
 - improvements in Windows Vista, 565–567
 - manually managing interface (pre-Vista), 579–582
 - manually managing interface (Windows Vista), 582–585
 - Offline Files (Windows Vista), 565
- user profiles. *See* Local Profiles
- User Rights Assignment, in Default Domain Controllers Policy GPO, 317
- userenv process, 138
- userenv.log file, 235, 253–256
- Users folder, in Active Directory, 46
- users/user accounts
 - assigning applications to, 631
 - elevation of users to admin status (Windows Vista), 400
 - moving, troubleshooting and, 227–228
 - processing GPOs while moving, 138–139
 - profile folders, 471–474
 - prohibiting user install, 681–682

V

- VBScript, 434
- VbsEdit, Adersoft, 437
- verbose logging
 - overview of, 253
 - pre-Vista, 253–256
 - Windows Vista, 257–258
- version numbers
 - GPC attributes, 186
 - overview of, 201–203
 - Replmon (Replication Monitor) for viewing, 207
 - stored in gpt.ini, 179
 - tracking changes with, 125
- Video profile (Windows Vista and Longhorn), 474
- view options, GPMC policy setting filters, 68–69
- virtualization
 - redirection of applications to proper location, 477–478
 - redirection of files to proper Registry locations, 403
- Vista. *See* Windows Vista
- VNC, 692

W

- WAIK (Windows Automated Install Kit), 719–720
- WDS (Windows Deployment Services), 710–738
 - client components, 711–713
 - loading onto server, 713–714
 - overview of, 710
 - RIS compared with, 711
 - server components, 711
- WDS clients
 - adding drivers to existing images, 733–734
 - associating answer file with WDS image, 734–736
 - boot.wim download time, 736–738
 - distributed infrastructure, 736
 - Image Groups, 729–732
 - installing first client, 720–723
 - overcoming limits on adding workstations, 723–725
 - overview of, 720
 - RIS images, converting to WDS images, 725–729
 - WDS components, 711–713
 - .WIM images, 732–733

- WDS servers
 - Boot Image, adding, 715–716
 - Directory Services, 717–718
 - image types, 715
 - Install Image, adding, 716–717
 - loading WDS, 713–714
 - overview of, 713
 - PXE response settings, 718–719
 - setting up, 714
 - WDS components, 711
 - WDS server components, 711
- wdsutil.exe, 728–729
- WFAS (Windows Firewall with Advanced Security). *See also* Windows Firewall
 - connection security rules, 416–417
 - inbound and outbound rules, 414–416
 - IPsec, 419–424
 - options for setting policies, 411–412
 - overview of, 410
 - precedence for properties, 425
 - precedence for rules, 417–418, 426
 - properties, 412–413
- what-if calculations, RSoP (Resultant Set of Policies), 105–108
- what's-going-on calculations, RSoP (Resultant Set of Policies), 99–105
- white list, Software Restriction Policies, 344
- .WIM images. *See also* images, WDS
 - converting RIPREP images to, 728–729
 - Image Groups and, 729–732
 - servicing, 732–733
- Windows 2000
 - application assignment over slow links, 671–673
 - Application Data, redirecting, 550
 - asynchronous processing, 224–225
 - background refresh intervals for members, 124–125
 - background refresh manually, 131, 137–138
 - background refresh policy Domain Controllers, 125
 - background security refresh processing, 135–136
 - caching Offline Files, 574
 - creating GPOs, 276–279
 - cross-forest trusts, logging on to, 164
 - CSEs, viewing, 214–215
 - Default Domain User Profile folder for, 482–483
 - diagnostic event logging, 251–252
 - editing GPOs, 280–281
 - Group Policy and, 1
 - initial policy processing, 122–123
 - moving client-side cache, 590
 - old-style interface, 22
 - policy processing, 119–120
 - policy settings table, 275–276
 - printer support on per-user basis, 703
 - profile folders, 471–473
 - PushPrinterConnections, adding to GPO, 701
 - RAS speed issues in policy processing and policy reapplication, 139–140
 - repairing default GPOs for domains, 318
 - restoring default domain level settings, 318
 - roaming and nonroaming folders in Roaming Profiles, 497–498
 - RSoP for, 235–236
 - SECEDIT command, 366
 - security background refresh for, 135–136
 - software deployment, 637
 - supported policies, 8
 - Synchronization Manager, limitations of, 606
 - synchronizing Offline Files over slow links, 587–588
 - verbose logging, 253–256
 - WMI filters not used with, 690–691
- Windows 2000 Server
 - Group Policy and, 1
 - Offline Files, 582
- Windows Automated Install Kit (WAIK), 719–720
- Windows Deployment Services. *See* WDS (Windows Deployment Services)
- Windows Explorer, 470
- Windows Firewall, 406–426. *See also* WFAS (Windows Firewall with Advanced Security)
 - domain vs. standard profiles (Windows XP/2003), 408–409
 - Group Policy Results and, 101–102
 - overview of, 406
 - ports and exceptions (Windows XP/2003), 410
 - stopping firewall (Windows XP/2003), 409–410
 - Windows Vista and XP controls, 407–408
- Windows Firewall with Advanced Security. *See* WFAS (Windows Firewall with Advanced Security)
- Windows Installer Clean Up Utility (MSICUU), 669
- Windows Installer Service
 - computer policies, 677–683
 - enabling/disabling, 678
 - overview of, 623
 - Roaming Profile computer policies, 511, 513
 - security policies, 678
 - user policies, 684–685
 - versions, 623

784 Windows Longhorn Server – Windows Vista

- Windows Longhorn Server
 - Group Policy and, 1
 - policy processing, 121
 - policy settings table, 276
- Windows NT
 - ADM templates, 299–300
 - Roaming Profiles in NT4, 485–486
- Windows OSs (pre-Vista)
 - caution regarding editing GPOs from pre-Vista management station, 545–546
 - core processing for, 210–211
 - CSEs listed by Class ID, 215
 - editing GPOs, 280–281
 - enabling advanced Folder Redirection logging, 554
 - manually managing Offline Files interface, 579–582
- Windows Script Files (WSF), 434–435
- Windows Server 2003
 - Add Printer Wizard, 699
 - application assignment over slow links, 673
 - background refresh intervals for members, 124–125
 - background refresh manually, 132
 - background refresh policy for Domain Controllers, 125
 - background security refresh processing, 135–136
 - caching Offline Files, 556
 - cross-forest trusts, logging on to, 164
 - Default Domain User Profile folder for, 482–483
 - diagnostic event logging, 251–252
 - domain vs. standard firewall profiles, 408–409
 - GPMC and, 24
 - GPRresult for, 236–243
 - gpupdate /force, 138
 - Group Policy and, 1
 - .INF template files, 356
 - initial policy processing, 122
 - loading WDS, 713–714
 - management stations, 26–28
 - Offline Files, 582
 - old-style interface, 22
 - policy processing, 120–121
 - policy settings table, 275
 - ports and exceptions, 410
 - printer support on per-user or per-computer basis, 703
 - profile folders, 471–473
 - R2 schema, 699, 701
 - repairing default GPOs for domains, 318
 - restoring default domain level settings, 318
 - roaming and nonroaming folders in Roaming Profiles, 497–498
 - RSOP for, 236
 - SCW available in SP1, 371
 - SECEDIT command, 366
 - security background refresh for, 135–136
 - security templates, 355
 - software deployment, 637
 - Software Restriction Policies, 341–343, 349–350
 - stopping firewall, 409–410
 - supported policies, 8
 - system profiles, 501–502
 - verbose logging, 253–256
 - what-if calculations, 106
- Windows Server Longhorn
 - Default Domain User Profile folder for, 483–485
 - profile folders for, 473–474
 - Public profile for, 477–478
 - roaming and nonroaming folders in Roaming Profiles, 498–500
 - WDS included with, 710
- Windows Server Update Services (WSUS), 298
- Windows System Image Manager (WSIM), 734–736
- Windows Vista
 - ADM templates leveraged from management station, 290–291
 - application assignments over slow links, 673
 - background refresh manually, 132, 133
 - background refresh policy, 126–130
 - background security refresh processing, 135–136
 - caching Offline Files, 576
 - central store, 286–289
 - client-side cache, moving, 590
 - core processing, 211–212
 - creating GPOs, 279, 283–284
 - cross-forest trusts, logging on to, 164–165
 - CSEs listed by Class ID, 216–217
 - Default Domain User Profile folder for, 483–485
 - diagnostic event logging, 252–253
 - editing GPOs, 282–284
 - Fast Boot, 127–130, 224
 - filtering policy settings, 68
 - firewall controls, 407–408. *See also* WFAS (Windows Firewall with Advanced Security)
 - Folder Redirection logging, 554
 - folders available for redirection, 530–531
 - GPMC built in, 25
 - GPRresult for, 236–243
 - gpupdate /force, 138
 - Group Policy and, 1

- Group Policy Operational Log, 260–262
 - Group Policy Results, 101–102
 - initial policy processing, 122–123
 - IPsec for server and domain isolation, 420
 - local administrator account and, 397–399
 - Local Group Policy on, 10
 - logon script not working as expected, 333–335
 - management stations, 26, 284–285
 - MGPOs on, 11–14
 - NLA refresh, 230–231
 - Offline File synchronization, 566, 590–594
 - Offline Files interface, 582–585
 - policy processing, 120–121
 - policy settings spreadsheets, 305–306
 - policy settings table, 275
 - Principle of Least Privilege, 392
 - printer assignment verified on target machines, 700–701, 703
 - printer deployment from management station, 699–700
 - printer support on per-user or per-computer basis, 703
 - profile folders for, 473–474
 - Public profile for, 477–478
 - RAS speed issues in policy processing and policy reapplication, 140
 - “Ready for Windows Vista” logo protection, 404–405
 - roaming and nonroaming folders in Roaming Profiles, 498–500
 - RSoP for, 236
 - security background refresh, 135–136
 - slow link detection, 212
 - software deployment, 637
 - Software Restriction Policies, 347, 349–350
 - split token users, 393–395
 - supported policies, 8
 - Sync Center, 566–567
 - system profiles, 501–502
 - System Protection, 704
 - testing roaming from Vista to Vista, 493
 - testing roaming in mixed environment (XP and Vista), 494
 - upgrading XP machine to, 173
 - user accounts. *See* UAC (User Account Control)
 - viewing CSEs, 214–215
 - Wireless Network (802.11), 383–384
 - Wireless Network (802.3), 383–384
- Windows XP
- application assignment over slow links, 673
 - Application Data, redirecting, 550
 - background refresh manually, 132, 133
 - background refresh policy, 126–130
 - background security refresh processing, 135–136
 - caching Offline Files, 574–575
 - capturing XP machines for WDS deployment, 725–729
 - client-side cache, moving, 590
 - creating GPOs, 276–279
 - cross-forest trusts, logging on to, 163–165
 - Default Domain User Profile folder for, 482–483
 - default security templates, 355
 - diagnostic event logging, 251–252
 - domain vs. standard firewall profiles, 408–409
 - editing GPOs, 280–281, 284
 - Fast Boot, 127–130
 - Fast Boot and Folder Redirection, 551–552
 - Fast Boot problems, 224
 - firewall controls, 407–408
 - folders available for redirection, 530
 - GPMC and, 24
 - GPRresult for, 236–243
 - gpupdate /force, 138
 - Group Policy and, 1
 - Group Policy Results and, 101–102
 - .INF template files, 356
 - initial policy processing, 122–123
 - IPsec for server and domain isolation, 420
 - Local Profile holdovers linked to Vista, 475–476
 - management stations, 26–28
 - Offline File synchronization, 588–589
 - policy processing, 120–121
 - policy settings spreadsheets for, 305–306
 - policy settings table, 275
 - ports and exceptions, 410
 - printer assignment, verifying on target machines (Vista/XP), 700–701, 703
 - printer support on per-user or per-computer basis, 703
 - profile folders, 471–473
 - PushPrinterConnections, 701
 - RAS speed issues in policy processing and policy reapplication, 139–140
 - roaming and nonroaming folders in Roaming Profiles, 497–498
 - RSoP for, 236
 - SECEdit command, 366
 - security background refresh, 135–136
 - software deployment, 637
 - Software Restriction Policies, 341–343, 349–350
 - stopping firewall, 409–410
 - supported policies, 8
 - Synchronization Manager, 606

786 Wired Network (802.3) – ZAW (Zero Administration for Windows)

- system profiles, 501–502
 - testing roaming from XP to XP, 492
 - testing roaming in mixed environment (XP and Vista), 494
 - testing Software Restriction Policies, 347
 - upgrading to Vista, 173
 - verbose logging, 253–256
 - viewing CSEs, 214–215
 - Wireless Network (802.11), 383
 - Wired Network (802.3)
 - overview of, 381–383
 - policy processing (Computer node settings), 152
 - slow network connections and policy processing and, 142
 - Windows Vista, 383–384
 - Wireless Network (802.11)
 - overview of, 381–383
 - policy processing (Computer node settings), 152
 - slow network connections and policy processing and, 142
 - Windows Vista, 383–384
 - Windows XP, 383
 - WMI CIM Studio, 687
 - WMI filters, 685–691
 - applying Offline Files setting with, 610–611
 - backing up and restoring, 113
 - creating, 688–689
 - performance impact of, 690
 - references and tools, 686–688
 - requirements for using, 685
 - scripts for documenting WMI filter links, 446–450
 - syntax, 688
 - typical uses, 686
 - using, 689–690
 - who can create and use, 96–98
 - Windows 2000 and, 690–691
 - WMI Scriptomatic, 687
 - Word, customized policy for, 296–297
 - workstations
 - limitations on number that can be added as WDS clients, 723–725
 - securing with templates. *See* Security Templates MMC snap-in
 - WSF (Windows Script Files), 434–435
 - WSIM (Windows System Image Manager), 734–736
 - WSUS (Windows Server Update Services), 298
-
- ## Z
- ZAK (Zero Administration for Windows Kit), 528–529
 - .ZAP applications, 667–668
 - .ZAP files, 640–643
 - creating own, 642
 - as deployment alternative to .MSI, 640
 - lack of robustness, 641
 - publishing, 642
 - testing, 643
 - ZAW (Zero Administration for Windows), 528–529