

Index

Note to the Reader: Throughout this index **boldfaced** page numbers indicate primary discussions of a topic. *Italicized* page numbers indicate illustrations.

A

accounts and Accounts page
 client push installation, 255, 255
 Exchange Server, **607**, *607*
 Network Access, **420**, *420*
actions and Actions page
 application deployment, 310
 client installation, 260
 scheduled tasks, **734**, *734*
 software updates, 355, 355
Active Directory (AD)
 discovery methods, **51–52**, *236–237*, *236–238*
 forests, **238**, *238–239*
 groups, **241**, *241*
 heartbeat, **241–243**, *244*
 network, **242**
 scheduling, **243–244**, *243–245*
 system, **239–240**, *240*
 users, **240**
 management points, **177–178**
 schema, **36–37**
 site boundaries, **44–45**
 system health validator points, 181
Active Directory Container dialog box, 236, 236
Active Directory Domain Services, 52
Active Directory Membership setting, 367, 372
Active Settings page, 200, 367, 368–369, 373
Active Site System Roles Wizard, 368–369, 368–369
active software update points setup, 366
 Central Administration Site, **366–370**, *367–369*
 checking, **375**
 primary sites
 child of CAS, **370–372**, *371*
 stand-alone, **372–374**
ActiveSync connections, 604–605, 605, 615
Activity Management Technology (AMT), 19
 enrollment point, **195–199**, *197–198*
 out-of-band service points, **187–189**, *188–189*
Add Application Catalog Website To Internet Explorer
 Trusted Sites Zone option, 232
Add Configuration Items dialog box, 591, 591
Add Distribution Point Groups dialog box, 441
Add Distribution Points dialog box, 441
Add Driver To Boot Images page, 456, 457
Add Driver To Packages page, 456, 456

Add Exchange Server Wizard

 Account page, **607**, *607*
 Discovery page, **608–609**, *608*
 General page, **606–607**, *606*
 Settings page, **609**
 Application settings, **614**, *614*
 Email Management settings, **612–613**, *612*
 General settings, **610**, *610*
 Password settings, **610–611**, *611*
 Security settings, **613–614**, *613*
Add New Collection Alerts window, 720, 720
Add Partner Software Updates Catalogs page, 398, 398
Add Site System Roles Wizard, **158–160**, *159*
 Application Catalog Web Service Point, 192–194, *192*, *194*
 Application Catalog Web Site Point, 192–193, *192*, *193*
distribution points, 163–169, *163–169*
Endpoint Protection Manager, 204–205, 205
fallback status points, 186, 186
management points, 175–177, *175–176*
mobile device and AMT enrollment points, *196–199*, *197–198*
out-of-band management, 187–189, *188–189*
Reporting Services, 189–190, 190, 535–536, 536
SCEP, 703–704, 704
Software Update Point, 199–204, *199–203*
state migration points, 182–184, *182–184*
system health validator, 181
Add Software Updates window, 591, 591
Add User Account screen, 471
Add User Or Group dialog box, 550
Additional Settings page, 642–644, *642*
ADForestDisc.log file, 238
AdminConsole.msi file, 98
Administration Security report, 538
administrative console
 Asset Intelligence, 20–21
 reports, 542–543, *542*
 software upgrades, 332
 upgrading, 84
 WSUS, **365–366**
administrative folder migration, 77
administrative users
 creating, **224–225**, *224–226*
 overview, **220–221**, *220*

- Administrator Comments setting, 299
- administrators
 - application deployment, 299
 - computer accounts as, 150
 - mobile device enrollment, **622–624**, 623–624
 - software updates, 332
- ADR (Automatic Deployment Rules), 200, **330**, 337, 717
- ADsgdis.log file, 241
- ADsysdis.log file, 240
- Advanced page
 - antimalware policy, 713, 713
 - System Center Updates Publisher, 397
- advertisement migration, **73**
- AfterBackup.bat file, 678–679
- Agent Extensions Manage The Deployment Of Applications And Software Updates option, 232
- agents
 - client
 - Asset Intelligence, 473
 - settings, **229–234**, 230, **353–355**, 354
 - planning, **59**
 - AI.* *See* Asset Intelligence (AI)
- AILW (Asset Intelligence License Wizard), 491
- AIUpdateSvc.log file, 207
- AIUSMSI.log file, 207
- AIUSetup.log file, 207
- alerts and Alerts page
 - Application Deployment, **274**
 - client, **263–265**, 264
 - configuration baselines, **596**
 - Deploy Software Updates Wizard, 392–393, 392
 - Deploy Software Wizard, **312–313**, 312
 - deployment templates, 338
 - SCEP, **719–722**, 720–722
- All Instances Of The Objects That Are Related To The Assigned Security Roles option, 221
- All security scope, 214
- All Software Updates node, **384**
- All Systems collection, 326
- Allow clients to share content with other clients on the same subset option, **300–301**, 393
- Allow clients to use a fallback source location for content option, **301**
- Allow Mobile Devices That Cannot Be Provisioned option, 610
- Allow Password Recovery option, 611
- Allow Signed Content from Intranet Microsoft Update Service Location option, 356
- Allow Simple Password option, 611
- Allow System Restart Outside Maintenance Windows option, **352**
- Allow Task To Be Run On Demand option, 735
- Allow This Application To Be Installed option, 294
- Allow User Policy Request From Internet Clients option, 231
- Allow Users To Interact With This Program option, **304**
- Allowed Message Formats option, 612, 636
- Allowed Period Of Time Users Can Postpone A Required Restart To Complete The endpoint Protection Installation (hours) setting, 233
- AMT (Activity Management Technology), 19
 - enrollment point, **195–199**, 197–198
 - out-of-band service points, **187–189**, 188–189
- answer files, **155–157**
- antimalware policy, **709–715**, 709–714
- Application Administrator Properties window, 213, 213
- Application Administrator role, 211, 546
- Application Author role, 211, 546
- Application Catalog
 - application deployment, 314–315
 - customizing, 194
 - sample application, 294
 - User Device Affinity, 322, 323
- Application Catalog Customizations page, 194
- Application Catalog Web Service Point role, 46, **191–195**, 192–194, **622**, 622
- Application Catalog Web Site Point role, 46, **191–195**, 192–194, 355
- Application Deployment, **267**
 - Application References, **271–272**
 - client experience, **314–316**, 314–316
 - Create Application Wizard, **284–288**, 285–287
 - dependencies, **273–274**
 - Application References, 272
 - BITS-enabled IIS, 275
 - configuring, **318**, 319
 - default client settings, **275–281**, 276–280
 - distribution points, 275
 - management points, 274
 - Deploy Software Wizard, **307–314**, 308–312
 - Detection Method tab, 319
 - distribution point changes, **269–271**
 - elements, **281–283**, 282–283
 - flow options, **272–274**
 - new features, **267–269**, 268
 - process, **284**, 284
 - properties, **283**, 283
 - Requirements tab, **319–321**, 321–322
 - Ribbon options, **288–293**, 289–292
 - sample application, **293–297**, 293–298
 - supersedence, **317–318**, 317–318
 - troubleshooting, **325–328**, 326
 - types, **298–307**, 298–303, 305–307
 - User Device Affinity, **322–325**, 323–325

Application Deployment Manager role, 211, 546

Application References, 271–272

Application Settings window, 614, 614

Application Virtualization (App-V), 21

applications

- configuration items, 592

- properties, 282, 282

Applications node, 267, 268, 284, 284

Applications That Depend On This Application option, 318

Applications That Supersede This Application option, 318

Apply This Software Metering Rule To The Following Clients option, 526

archiving backup snapshots, 678–679, 678

ASC keyword, 562

Asset Intelligence (AI), 473

- catalog, 476–478

- enabling, 485–487, 486–487

- functionality, 20–21

- home page, 479–481, 480

- maintenance tasks, 474–475, 475

- migrating, 76

- reports, 481–485, 538

- requirements, 473–475

- software licenses, 488–491, 488, 490–491

- synchronization points, 479, 486–487, 487

- validation states, 478–479

Asset Intelligence License Wizard (AILW), 491

Asset Intelligence Reporting Class Settings dialog box, 485, 486

Asset Intelligence Synchronization Point Connection Settings page, 487, 487

Asset Intelligence Synchronization Point role, 46, 206–207, 206

Asset Manager role, 211, 547

Assets and Compliance workspace, 470–471, 470

assigned security scopes and collections, 220–221, 220

assigning policies, 716, 716

Associate Assigned Security Roles With Specific Security Scopes And Collections option, 221

Associated Security Roles dialog box, 550

ATM Provisioning Certificate page, 188–189, 189

ATM Service Point page, 188, 188

Automatic Deployment Rules (ADR), 200, 330, 337, 717

automatic operations

- client remediation, 261–262, 262

- management point queries, 178

- operating system image captures, 436–438, 436–438

- publishing updates, 401

Automatic package conversion state, 103

Automatically Configure Used Device Affinity From Usage Data option, 461

Automatically Detect This Information Using Existing Content option, 286

Automatically Distribute Content For Dependencies option, 309

Automatically Download Content When Packages Are Assigned To Distribution Points option, 387

Automatically Remove Previously Installed Antimalware Software Before Endpoint Protection Client Is Installed option, 232

Availability Management process, 6–7, 11–12

Available Software Updates dialog box, 345

awebctrl.log file, 195

awebsvcMSI file, 195

B

Background Intelligent Transfer Service (BITS)

- Application Deployment, 275

- client settings, 231, 275–276, 276

- Computer Client Agent, 354–355

- distribution points, 162, 173

Background Intelligent Transfer setting, 231

Backup ConfigMgr Site Server task, 673–674, 676

- archiving backup snapshots, 678–679

- configuring, 680–682, 681

- considerations, 677

- copying backups, 677

- log files, 679

Backup Site Server Properties dialog box, 647–648, 648

Backup Site Server task, 680, 681

backups, 676

- central site, 677

- considerations, 677

- copying to other locations, 677

- excluded items, 674–676

- log files, 679

- restoring, 682–685, 684

- site servers, 680–681, 681

- snapshots, 678–679, 678

- troubleshooting, 682

bank software, 477

bare metal operating system deployment, 412, 448–451, 449, 451

baseline configuration, 581

- clients, 593–594, 593

- initial, 588–589

- options, 594

- rules, 590–596, 591, 595

- BIDS (Business Intelligence Development Studio), 534, **566–568**
- BITS (Background Intelligent Transfer Service)
 Application Deployment, 275
 client settings, 231, 275–276, 276
 Computer Client Agent, 354–355
 distribution points, 162, 173
- /BITSPriority property, **248–249**
- Block The Following Applications In ROM option, 614
- Bluetooth option, 613, 637
- Boot Image page, 435, 435
- boot images
 customized, 75
 Microsoft Deployment Toolkit, **465–466**, 466
 operating system deployment, **413–414**, 413
 packages, **428**
 for PXE, **428–429**, 429
 task sequences, 435, 435
- bootable media
 non-task sequences, **115–116**, 115
 task sequences, 418
- boundaries
 client installation, **245–247**, 245–246
 distribution points, **281**
 migrating, **73–74**
 sites, **44–45**
- Boundary Groups page
 distribution points, 168–169
 secondary site servers, 143
 state migration points, 184, 184
- branch office migration. *See* P2V Migration Toolkit
- BranchCache feature, **44**
- Browse Settings page, 643, 643
- Browser option, 614
- Build And Capture task sequence, **416**, **419**
- build phase in migration, 80
- Business Intelligence Development Studio (BIDS), 534, **566–568**
- C**
- caches
 BranchCache feature, **44**
 reports, 556
- calcplus.msi file, 581
- Calculator Plus utility, 577–578
- Calendar Synchronization option, 636
- Camera option, 613, 637
- Capacity Management process, **6**, 11
- capacity planning, 47
- capture images
 adding, **440–441**
- automatic building and capturing, **436–438**, 436–438
- creating, **430–436**, 431–435
- distributing and deploying, **441**
- reference computers, **438–440**, 439–440
- task sequences, 417
- Catalog tab, 294, 294
- catalogs
 application. *See* Application Catalog
 Asset Intelligence, **476–478**
- categories
 applications, 293
 configuration items, **579–580**
- Categorize option, 293
- CCM registry key, 146–147, 147
- CCMAdmins property, 250
- CCMAAllowSilentReboot property, 250
- CCMALWAYSINF property, 249
- CCMCERTISSUERS property, 249
- CCMCERTSEL property, 249
- CCMCERTSTORE property, 249
- ccmclean.exe utility, 97
- CCMDebugLogging property, 250
- CCMEnableogging property, 250
- ccmeval.log file, 262, 739, 739
- ccmeval process, 261, **736–739**, 736, 738–739
- ccmeval.xml file, 262, 737–738, 738
- CCMEVALHOUR property, **252**
- CCMEVALINTERVAL property, 252
- CCMFIRSTCERT property, 249
- CCMHOSTNAME property, 249
- CCMHTTPPPort property, 251
- CCMHTTPSPort property, 251
- CCMInstallDir property, 250
- CCMLogLevel property, 250
- CCMLogMaxHistory property, 250
- CCMLogMaxSize property, 250
- ccmsetup-ccmeval.log file, 262
- ccmsetup.exe utility
 manual installation, **252–253**
 properties, **247–252**
- central administration sites
 active software update points setup, **366–370**, 367–369
 implementing, **125–137**, 127–136
 recovering, **686–691**, 687–690
 roles, **38–39**
- centralized power management, **21–22**
- Certificates page, 641–642, 641
- Certificates To Install On Mobile Devices option, 641
- Change Initiation Review SMF, 12
- Change Management process, **5**, 9

Changing Quadrant in MOF, **8–10**
 Check Application Title with Inventory Information task, **474**
 child sites
 active software update points setup, **370–372**, **371**
 recovering, **692**
 Choose Configuration Items dialog box, **591**
 Choose Mapping page, **462**, **462**
 Choose Target Collection page, **449**, **470**
ciagent.log file, **596**
 Classic Software Distribution, **268**
 classifications and Classifications page
 Add Site System Roles Wizard, **202–203**, **203**
 software updates
 classes, **350**
 configuring, **376**, **376**
 metadata, **334–335**
 Clean Up Migration Data dialog box, **100**, **100**
 cleaning up migration data, **100**, **100**
 Client Activity Detail tab, **740**, **741**
 Client Activity node, **742**, **743**
 client agents
 Asset Intelligence, **473**
 settings, **229–234**, **230**, **353–355**, **354**
 Client Computer Communication Settings page, **136–137**, **136**
 client health, **261**, **731**
 alerts, **263–265**, **264**
 automatic remediation, **261–262**, **262**
 determining, **262–263**, **263**
 evaluation results, **740–741**, **740–741**
 monitoring, **263**, **742–743**, **742–743**
 overview, **731–732**
 scheduled tasks, **732–733**, **732–733**
 Actions page, **734**, **734**
 CCMEval, **736–739**, **736**, **738–739**
 Conditions page, **734**, **734**
 History page, **735**, **736**
 Settings page, **735**, **735**
 Triggers page, **733**, **733**
 Client Health Detail tab, **741**, **741**
 Client Language Selection page, **129**
client.msi file, **173**, **247**
 Client Policy settings, **231**, **354**
 Client Policy Polling Interval (Minutes) setting, **231**
 Client Push report, **539**
 Client Replace task sequence, **468**
 Client Status report, **538**
 Client Status History reports, **263**
 Client Status Settings Properties dialog box, **262–263**, **263**
 Client Status Summary reports, **263**

Client Time To Request Policy reports, **263**
 clients
 application deployment, **314–316**, **314–316**
 backing up, **674**
 Compliance Settings, **576–577**, **577**
 configuration baselines, **593–594**, **593**
 deleted, **520–521**
 health. *See* client health
 information migration, **66**
 installation, **229**
 boundaries, **245–247**, **245–246**
 command-line properties, **247–252**
 discovering network objects. *See* discovering resources
 group policy, **257**
 health, **261–265**, **262–264**
 imaging, **258–259**
 login scripts, **258**
 manual process, **252–253**
 packages for operating system deployment, **421–422**, **421–422**
 push, **253–257**, **255–257**
 settings, **229–234**, **230**
 software distribution, **258**
 software updates, **257–258**
 supported operating systems, **234–235**
 troubleshooting, **261**
 updating, **259**, **259**
 verifying, **260–261**, **260**
 inventory
 processes, **519**
 reports, **515**
 log files, **654–655**
 MIF storage location, **504–505**
 migrating, **66**, **84**, **96–97**
 planning, **59**
 requirements, **26–32**
 settings and deployment, **52**
 default, **275–281**, **276–280**
 hardware inventory, **495–496**
 Software Metering, **528–530**, **529**
 software update settings, **355–356**, **355**
 clusters, **8–9**, **49**
 CMtrace.exe program, **261**, **596**, **656–657**, **656–657**
 Cochrane, Mark, **508**
 Collect IDMIF files option, **504**
 Collect MIF files option, **504**
 Collect NOIDMIF files option, **504**
 Collected File Properties dialog box, **512**, **513**
 collections, **53**, **218**
 application deployment, **281**
 creating, **223–224**

- collections (*continued*)
 - default, 219–220
 - deployment templates, 337
 - enabling, 720
 - migrating, 68, 71–73, 71–73, 87–88, 88
 - software inventory, 500
 - working with, 219
- Collections setting
 - application deployment, 308
 - software update deployments, 390
- Collections That Cannot Be Migrated dialog box, 71, 71
- columns in packages, 102
- command line
 - client installation properties, 247–252
 - WSUS 3.0 Administration Console installation, 366
- comments
 - application deployment, 309
 - software metering rules, 526
- Comments setting, 309
- communications, site, 50
- Completion page
 - distribution points, 169, 169
 - reporting role, 535
 - secondary site servers, 144
- compliance and Compliance Settings, 573
 - clients, 231, 576–577, 577
 - configuration items. *See* configuration items (CIs)
 - configuration packs, 597–600, 598–600
 - new features, 574, 574
 - overview, 573–574
 - purpose, 575
 - reports, 596–597
 - software updates, 343–344
- Compliance and Settings Management reports, 539
- Compliance Rules page, 585–587, 585
- Compliance Settings Manager role, 211, 547
- Compliant status, 406
- common.log file, 162
- component servers, 46, 162
- Component Status folder, 174
- Component Status messages, 658, 658
- computer accounts as administrators, 150
- Computer Agent settings, 231, 277, 277
- computer client agents
 - Asset Intelligence, 473
 - settings, 229–234, 230, 353–355, 354
- Computer Maintenance setting, 356
- Computer Restart settings, 232, 277–278, 278, 355
- Computer Synchronization option, 610
- computers
 - information importing, 449–450, 449
 - names, 242
 - unknown, 452–455, 452–455
- Computers for a Specific Console User report, 475
- Conditions page, 734, 734
- /config property, 249
- ConfigMgr 10 registry key, 148, 148
- ConfigMgr Report Administrators group, 545
- ConfigMgr Report Users group, 545
- ConfigMgr Server option, 397
- ConfigMgrAdminUISetup.log file, 99, 133
- ConfigMgrAutoSave.ini file, 156
- ConfigMgrInstallation.adm template, 257–258
- ConfigMgrPostRecoveryActions.html file, 695, 695
- ConfigMgrPrereq.log file, 99, 123, 133
- ConfigMgrSetup.log file, 133, 691
- ConfigMgrSetupWizard.log file, 133, 691
- configuration baselines, 581
 - clients, 593–594, 593
 - initial, 588–589
 - options, 594
 - rules, 590–596, 591, 595
- configuration items (CIs)
 - Compliance Rules page, 585–588, 585
 - creating, 577–578
 - Detection Methods page, 581–582, 582
 - General page, 578–580, 578
 - Settings page, 582–584, 583, 585
 - Summary page, 588, 588
 - types, 575–576
- configuration management process, 4–5, 10
- Configuration Manager Client Upgrade package, 422
- Configuration Manager overview
 - Active Directory schema, 36–37
 - client settings and deployment, 52
 - console upgrading, 98–99
 - content management, 52–53
 - deployment, 59–63
 - intelligence gathering, 23–25
 - migration needs, 25
 - troubleshooting, 664–665
 - disaster recovery, 55–56
 - environment design, 56–60
 - hierarchies and sites, 37–44, 38, 43
 - major features, 14–21, 15
 - migration, 54–55
 - resource discovery, 51–52
 - role-based administration, 53–54
 - site boundaries and boundary groups, 44–45
 - site communications, 50
 - site security mode, 51
 - site system design, 47–49
 - site system roles, 45–47
 - SQL considerations, 49–50
 - system requirements, 26–36

- Configuration Manager Properties dialog box, 529, 529, 595, 595
- Configuration Manager Status Message Viewer window, 659, 659
- configuration.mof file, 495–496, 506–507, 507
- configuration packs, importing, 597–600, 598–600
- configuration settings, migrating, 76
- Configure Automatic Updates option, 356–357
- Configure Client Setting dialog box, 512, 512, 514, 514
- Configure ConfigMgr Integration dialog box, 464, 465
- Configure Manager Alert option, 392
- Configure The Network page, 442, 450
- Confirm Object Delete dialog box, 526
- Confirm Settings page, 704
- Confirmation page
 - configuration packs, 599–600, 600
 - System Center Updates Publisher, 402, 402
- Console Users on a Specific Computer report, 475
- content
 - library, 42–43
 - backing up, 674
 - software updates, 332
 - managing, 52–53
 - migrating, 66
 - prestaging, 44
 - replicating, 50
 - validating, 43, 43
 - distribution points, 167–168, 168, 269
 - secondary site servers, 143, 143
- Content Location settings
 - application deployment type, 300
 - boot images, 414
 - operating system images, 415
 - operating system installers, 416
- Content page
 - application deployment type, 299–300, 300
 - Deploy Software Wizard, 309, 309
- Content Types tab, 296, 296
- Content Validation page
 - distribution points, 167–168, 168, 269
 - secondary site servers, 143, 143
- Converted package conversion state, 103
- copying backups to other locations, 677
- COUNT command, 562
- Create a deployment alert when the threshold is higher than the following option, 313
- Create a deployment alert when the threshold is lower than the following option, 313
- Create A New Custom Task Sequence task, 416
- Create A New Deployment Package option, 385
- Create A New Task Sequence page, 442, 450
- Create Application Wizard, 282, 284–288, 285–287, 298, 307–314, 308–312
- Create Boot Image Using MDT dialog box, 465, 466
- Create Configuration Baseline Wizard, 588–589, 588
- Create Configuration Item Wizard
 - Compliance Rules page, 585–588, 585
 - Detection Methods page, 581–582, 582
 - General page, 578–580, 578
- mobile devices, 631
 - Additional Settings page, 642–644, 642
 - Certificates page, 641–642, 641
 - Email Management page, 635–636, 635
 - Encryption page, 639–640, 639
 - General page, 631–632, 632
 - Mobile Devices Settings page, 632–633, 633
 - Password page, 633–635, 634
 - Peak Synchronization page, 637–638, 637
 - Platform Applicability page, 644, 645
 - Roaming page, 638, 638
 - Security page, 636–637, 636
 - Supported Platform page, 644, 644
 - Wireless Communications page, 640–641, 640
- Settings page, 582–584, 583, 585
- Summary page, 588, 588
- Create Deployment Type option, 290
- Create MDT Task Sequence dialog box, 467–469, 467, 469
- Create Package From Definition Wizard, 421–424, 421–423
- Create Prestage Content File option, 289–290, 290
- Create Prestage Content Wizard, 290, 290
- Create Role Wizard, 348
- Create Rule dialog box, 586–587, 587
- Create Secondary Site Wizard, 139–145, 140–144
- Create Setting dialog box, 582–584, 583
- Create Site Role Wizard, 487, 487
- Create Software Metering Rule Wizard, 525, 525
- Create Subscription Wizard, 559, 559
- Create Task Sequence Media Wizard, 453–454, 453–454
- Create Task Sequence Wizard, 431–435, 431–435, 450, 451
- Create Task Wizard, 442–445, 443–445
- criteria for update searches, 382–384, 382–384
- custom labels, 477
- Custom Schedule dialog box
 - hardware inventory, 504
 - network discovery, 244, 245
- custom security scope, 214–216, 215, 353
- Custom Severity page, 353

Customer Experience Improvement Program

- Configuration page, 131
- customer focused service delivery, 3
- Customizations tab, 413–414
- customized boot images, 75

D

dashboards

- migration, 82, 83
- package conversion, 103, 103, 108
- status messages, 658, 658

Data Access tab

- boot images, 414
- operating system images, 415
- operating system installers, 416

data gathering in migration, 66–68, 85–86, 85–86, 99

Data Gathering Status dialog box, 85, 85

data library, 42

data manipulation language (DML) messages, 665

Data Preview page, 449, 470

Data Replication Service (DRS), 665, 668–669, 668–669

data source and Data Source tab

- authentication accounts, 537
- boot images, 414, 429, 429
- operating system images, 415
- operating system installers, 416
- report properties, 553

data types, 666–668, 667

Database Information page, 130, 130, 689, 689

Database Replication troubleshooting, 665–669, 665, 667–669

Database Server page, 130, 136–137, 136

databases

- moving, 696–697
- validating, 152, 152

dataldr.log file, 509, 509, 519–520

DataLib folder, 170–172, 172

Date Published setting, 293

dcmagent.log file, 596

Deadline Behavior setting, 392

Default Actions page, 711, 711

Default Application Catalog Website Point setting, 232, 355

Default Client Malware Policy, 716–717

Default security scope, 214

Default Settings dialog box

- BITS, 275–276, 276
- Computer Agent, 277, 277
- Computer Restart, 277–278, 278
- Endpoint Protection, 706, 706
- inventory, 499, 499

Software Deployment, 278–279, 279

software inventory, 511, 511

User and Device Affinity, 279, 280

defaults

- client settings, 275–281, 276–280, 577, 577

collections, 219–220

MIF storage location, 504–505

define and capture phase in migration, 80

definition files in SCEP, 717–719, 717–718

Definition Updates page, 714, 714

Delete option, 291

deleted clients, 520–521

deleting

- applications, 291

software metering rules, 526

Deliver phase in SMFs, 13

delta discovery, 243

delta inventory information, 494

Delta Synchronization Interval option, 608

dependencies and Dependencies tab

Application Deployment, 273–274

Application References, 272

BITS-enabled IIS, 275

configuring, 318, 319

default client settings, 275–281, 276–280

distribution points, 275

management points, 274

types, 307, 307

Asset Intelligence, 482

Deploy Configuration Baselines Wizard, 593–594, 593

Deploy Software Updates Wizard

languages, 351

packages, 338–339

restart settings, 352

settings overview, 339

software updates, 388–395, 389–392

Deploy Software Wizard

Alerts page, 312–313, 312

Content page, 309, 309

Deployment Settings page, 310, 310

General page, 307–309, 308

operating system image capturing, 436–437, 436–437

Scheduling page, 311, 311

task sequences, 444–445, 445

User Experience page, 312, 312

deployment

application. *See* Application Deployment

clients, 52

Configuration Manager, 59–63

images, 441

intelligence gathering, 23–25

migration needs, 25

operating system. *See* operating system deployment (OSD)

packages, 338–339, 384–386

SCEP, 700

software updates, 339–340, 344–345

- downloading, 384–387, 385–386
- finding, 380–384, 381–384
- groups, 388
- monitoring, 404–408, 404–407
- rules, 340–341, 341
- templates, 337–338

status messages, 661–662

task sequences, 444–448, 445–448

troubleshooting, 664–665

Deployment Deadline settings, 232

Deployment Imaging Servicing and Management (DISM) tool, 457

Deployment Name setting, 389

Deployment Options setting, 301

Deployment Package page

- Deploy Software Updates Wizard, 393
- software updates, 385, 385

deployment phase in migration, 81

Deployment Program Always Forces A Reboot option, 305

Deployment Settings page, 310, 310, 445, 445

Deployment Status window, 447, 448

Deployment Types tab, 282, 296, 296

Deployments node, 325–326, 326

depth management of mobile devices, 195, 616–617

- device enrollment, 622
- administrator configuration, 622–624, 623–624
- user configuration, 624–631, 625–631

roles

- Application Catalog web service point, 622, 622
- distribution point, 621, 621
- enrollment point, 618–619, 618
- enrollment proxy point, 617–618, 617
- management point, 619–620, 619
- Microsoft enterprise certification authority, 620, 621

settings

- Additional Settings, 642–644, 642
- Certificates, 641–642, 641
- Email Management, 635–636, 635
- Encryption, 639–640, 639
- General, 631–632, 632
- Mobile Devices Settings, 632–633, 633
- Password, 633–635, 634
- Peak Synchronization, 637–638, 637
- Platform Applicability, 644, 645

Roaming, 638, 638

Security, 636–637, 636

Supported Platform, 644, 644

Wireless Communications, 640–641, 640

DESC keyword, 562

descriptions

- configuration items, 579, 584
- deployment packages, 386

design, site system, 47–49

Detection Method page, 272, 302–303, 302, 319, 581–582, 582

Detection Rule Wizard, 303

Determine Behavior Based On Return Codes option, 305

device drivers, 418, 454–457, 455–457

device enrollment, 622

- administrator configuration, 622–624, 623–624
- user configuration, 624–631, 625–631

Device Management reports, 539

Device Restart Behavior setting, 392

DHCP with PXE, 428

Direct Push When Roaming option, 612

Direct Rule type for collections, 219

Directory Services Administration SMF, 10

Disable Alternate Sources option, 233

DisableCacheOpt property, 250

DisableSiteOpt property, 251

disabling software metering rules, 523–524

disaster recovery, 55–56, 673

- backups, 677–682, 678, 681
- central sites, 686–691, 687–690
- maintenance options, 692–694
- monitoring, 691, 691
- multisite environments, 692
- planning, 673–674
- post-recovery tasks, 695–696, 695
- restores, 682–685, 684
- starting, 685

discovering resources

- Active Directory, 236–237, 236–238
- forests, 238, 238–239
- groups, 241, 241
- heartbeat, 241–243, 244
- network, 242
- scheduling, 243–244, 243–245
- system, 239–240, 240
- users, 240

Add Exchange Server Wizard, 608–609, 608

out-of-band management, 19

overview 51–52, 235–236

Discovery page, 608–609, 608

disk space, 665

Disks category, 417
 DISM (Deployment Imaging Servicing and Management) tool, 457
 Display in Software Center option, 312
 Display Name Properties window, 513, 513
 display names for software inventory, 500, 513, 513
 distmgr.log file, 174, 427
 Distribute Content option, 292
 Distribute Content Wizard, 441
 Distribute The Content For This Package To Preferred Distribution Point option, 387
 distribution

- boot image packages, 428
- images, 441
- software. *See* software distribution

 Distribution Point page, 141–142, 142, **163–165**, 166
 distribution point role, 46, **621**, 621
 distribution points, **41–44**, 43, **162–174**, 163–174

- changes, **269–271**
- dependencies, 275
- high availability, 49
- managing, 52
- migrating, 66, 78, **82–84**, 87
- operating system deployment, **414–415**, 446
- PXE on, **426–427**, 427
- software requirements, **173**
- software updates, 386
- status messages, 663
- troubleshooting, **173–174**, 174
- upgrading, **83–84**, **91–95**, 92–93, 95

 Distribution Points page, 386, 446
 Distribution Priority setting, 387
 Distribution Settings page

- boot images, 414
- operating system images, 415
- operating system installers, 416
- software updates, 386–387, 386

 distributions

- package migration, 74
- status messages, **662–663**

 DML (data manipulation language) messages, 665
 DNSSUFFIX property, 252
 Do Not Expire A Superseded Update Until The Software Update Is Superseded For A Specified Period option, 369, 374
 Do Not Synchronize From Microsoft Update Or The Upstream Update Point option, 374
 Do Not Synchronize From Microsoft Update Or The Upstream Update Server option, 368
 domain profiles, 716
 Download Location page, 344, 387, 393–394
 Download Only Content Changes To The Distribution Point option, 387

Download Settings For Slow Or Unreliable Network settings, 393
 Download Settings For Unprotected Distribution Points settings, 393
 Download Settings page, 338
 Download Software Updates Wizard, 351, 385–386, 385
 Download Updates Wizard, 335, 384–387
 downloading software updates, **384–387**, 385–386

- /downloadtimeout property, 248

 Drive Settings page

- distribution points, 165, 165
- secondary site servers, 142–143, 142

 drive space requirements

- clients, 27
- servers, 33

 Driver Details page, 455
 drivers, device, **418**, **454–457**, 455–457
 Drivers category for task sequences, 417
 Drivers tab for boot images, 413
 DRS (Data Replication Service), 665, **668–669**, 668–669

E

Edit Primary Devices node, 324, 325
 Editions tab, 416
 EICAR test malware, **724–728**, 724–728
 email

- alerts, **721–722**, 722
- mobile devices, **612–613**, 612, 635–636, 635
- report subscriptions, **560–561**

 Email Attachments option, 613
 Email Download While Roaming option, 638
 Email Management page, 635–636, 635
 Email Management Settings page, **612–613**, 612
 Empower Users feature, 331
 Enable Automatic Site-wide Client Push Installation option, 254
 Enable Hardware Inventory On Clients option, 503
 Enable Software Updates on Clients option, **361**
 Enable System Center Operations Manager Maintenance Mode option, 313
 enabling

- Asset Intelligence, **485–487**, 486–487
- collections, 720
- Software Metering Client Agent, 522
- software metering rules, **524**, 524

 encryption and Encryption page

- client inventory reports, 515
- mobile devices, 639–640, 639

 endpoint protection. *See* System Center Endpoint Protection (SCEP)
 Endpoint Protection client agent, **705–709**, 706–708
 Endpoint Protection Manager role, 212

- Endpoint Protection Point role
 adding, 204–205, 205
 configuring, 702–705, 704
 description, 46
 reports, 547
- Enforcement phase in software updates, 407
- enrollment, device, 622
 administrator configuration, 622–624, 623–624
 user configuration, 624–631, 625–631
- Enrollment Point Connection Account option, 619
- enrollment point role, 46–47, 618–619, 618
- Enrollment Point setting, 618
- enrollment proxy point role, 47, 195–199, 197–198, 617–618, 617
- EnrollmentService.log file, 646
- EnrollmentWeb.log file, 646
- Enrollsrvmsi file, 199
- Enrollsvc.log file, 199
- Enrollweb.log file, 199
- Enrollwebsmsi file, 199
- environment variables, 584
- EPCtrlmgr.log file, 205, 705
- EPMgr.log file, 205, 704–705
- EPsetup.log file, 205, 705
- Error Lookup window, 656, 656
- Error status
 in-console monitoring, 405–406
 package conversion, 103
- Estimated Install Time (Minutes) option, 305
- Evaluation phase in software updates, 407
- event logs, 475
- Examination Institute for IT (EXIN), 2
- Exclude Collections Rule, 219
- Excluded Settings page, 712, 712
- excluding
 malware scanning items, 712, 712
 software inventory files, 515–516, 516
- expired software updates, 331
- Export Application Wizard, 291–292, 292
- exporting
 applications, 291–292, 292
 reports, 570–571
 software updates, 74
 synchronization with, 379–380
- extending hardware inventory, 505–510, 507–510
- F**
- fallback status point role, 46, 185–187, 186
- fat images, 419
- FEP (Front Endpoint Protection) vs. SCEP, 699
- file-based report subscriptions, 558–559, 559
- file collection for software inventory, 500
- File Encryption On Mobile Device option, 614, 639
- file library, 42
- file system validation, 148, 149
- FileLib folder, 170, 173
- files for software updates, 335
- FileSystemFile.log file, 515, 516
- filters for software updates, 330
- Financial Management process, 6, 12
- Find all mobile devices in the exchange organization option, 609
- finding
 management points, 177–178
 software updates, 380–384, 381–384
- firewalls, 715–716, 715
- flat hierarchies, 210
- folder migration, 77
- Force A Mandatory Device Restart option, 305 /forcereboot property, 248
- forest discovery, 51–52, 238, 238–239
- free drive space requirements
 clients, 27
 servers, 33
- Front Endpoint Protection (FEP) vs. SCEP, 699
- FSP property, 251
- fspMSI.log file, 187
- Full Administrator role, 212, 547
- full antimalware scans, 710
- Full Content update option, 401
- Full Synchronization Schedule option, 608
- G**
- general configuration items, 592
- General Information page, 287–288, 287
- General License Statement, 489–490, 490
- General settings
 Add Exchange Server Wizard, 606–607, 606
 application deployment, 282, 282, 299, 299
 boot images, 413, 413
 client push installation, 254, 255
 configuration items, 578–580, 578, 583, 583
 Create Application Wizard, 285–286, 285
 Deploy Software Updates Wizard, 389–390, 389
 Deploy Software Wizard, 307–309, 308
 mobile devices, 631–632, 632
 New Site Role Wizard, 424
 operating system images, 415
 operating system installers, 416
 reports, 550–551
 sample application, 293–294, 293

General settings (*continued*)

- SCEP, 703
- secondary site servers, 139–140, 140
- site system roles, 159, 159
- software metering, 523, 523, 525, 525
- software updates, 348
- state migration points, 424
- task sequences, 416–417, 444

General Settings window, 610, 610

Generate System Center Operations Manager Alert When A Software Installation Fails option, 313

Getting Started page

- central administration sites, 127, 127
- primary sites, 134–135, 134

Global Conditions node, 321, 322

global data replication, 50, 666, 667

global roaming, 37

goals

- determining, 24–25
- software updates, 346

GROUP BY keyword, 562

group policies and GPOs

- client installation, 257
- SCEP, 703
- settings, 356–357

groups

- Active Directory, 52, 241, 241
- boundary, 44–45
- distribution points, 52, 270–271, 663
- software updates, 330, 337, 388
- validating, 149–150, 150

H

hard-linking, 423

hardware inventory, 494–495

- client settings, 233, 495–496
- configuration.mof file, 495–496
- configuring, 502–505, 503
- extending, 505–510, 507–510
- MIF files, 497–499
- Registry, 507–510, 508–510
- reporting classes, 496–497
- troubleshooting, 519

Hardware Inventory Client Agent, 473–474

Hardware Inventory option, 233

hardware reports, 482–483, 539

hardware requirements

- Asset Intelligence, 478
- clients, 26–27
- servers, 32–33

health, client. *See* client health

heartbeat discovery, 51, 241–243, 244, 516

hidden reports, 551

hierarchies, 37–38, 38

- central administration sites, 38–39

design and implementation, 122

distribution points, 41–44, 43

flat, 210

planning, 58

primary sites, 39–40

secondary sites, 40

Hierarchy Maintenance tool, 693–694

high availability, 49

history and History page

reports, 557

SCEP, 725, 725

scheduled tasks, 735, 736

HTTP Connected Computer Devices option, 620

HTTP security mode, 51

HTTPS Connected Computer Devices option, 620

HTTPS security mode, 51

I

Icon option, 295

Identification registry key, 146

Identification tab, 588–589, 588

Idle Time Before Mobile Device Is Locked

setting, 634

Idle Time In Minutes Before Mobile Device Is Locked

setting, 611

IDMIF files

description, 498–499

storage location on clients, 504–505

If The Running Task Does Not End When Requested, Force It To Stop option, 735

Ignore Maintenance Windows and Install Immediately at Deadline option, 352

Ignore mobile devices that are inactive for more than (days) setting, 609

Image Capture Wizard, 439, 439

Image Destination page, 439, 439

Image Information page, 439

images

boot. *See* boot images

client installation, 258–259

creating, 430–436, 431–435

Microsoft Deployment Toolkit, 465–466, 466

operating system, 415

automatic building and capturing, 436–438, 436–438

deploying, 440–441

offline servicing, 457–459, 458–459

reference computers, 438–440, 439–440

task sequences, 417

- Images tab
 boot images, 413
 operating system images, 415
- Immediately Expire A Superseded Update option, 369, 374
- Import Certificate page, 642, 642
- Import Computer Information Wizard, 449, 449
- Import Configuration Data Wizard, 599–600, 599–600
- Import Information page, 286, 286–287
- Import New Driver Wizard, 455–457, 455–457
- Import Software License Wizard, 488–490, 488, 490
- Import Summary page, 510, 510
- Import User Device Affinity option, 323, 324
- importing
 application information, 286, 286–287
 certificates, 642, 642
 computer information, 449–450, 449
 configuration packs, 597–600, 598–600
 drivers, 455–457, 455–457
 MOF files, 510, 510
 reports, 551–552, 569–570
 software licenses, 488–491, 488, 490–491
 software updates, 75, 398–399, 399
 update synchronization with, 379–380
 user device affinity, 323, 324, 461–462, 462
- in-band management, 19
- in-console software updates deployment monitoring, 404–407, 404–407
- In Progress status, 406
- Inactive Client Details reports, 263
- incident management process, 4, 11
- Include Collections Rule, 219
- Include Updates In Image page, 451
- Information Systems Examination Board (ISEB), 2
- Infrared option, 614
- Infrastructure Administrator role, 212, 547–548
- Infrastructure Engineering SMF, 11
- Infrastructure role cluster, 9
- Install All Required Software Updates When Deadline Occurs option, 361
- Install An Existing Image Package task sequence, 416
- Install Applications page, 443, 444, 451
- Install Client Wizard, 256–257, 257
- Install Configuration Manager Client page, 442–443
- Install Endpoint Protection Client In Client Computers option, 232
- Install page, 133, 133, 690, 690
- Install Permissions settings, 232
- Install The Configuration Manager Client page, 450
- Install The Windows Operating System page, 450
- Install Windows page, 442, 443
- installation
 client. *See clients*
 site system roles, 157–160, 158–159
 software update points, 346–348
 System Center Updates Publisher, 395–396, 395
 WSUS, 361–365, 363
- Installation Behavior setting, 303
- Installation Deadline setting, 390
- Installation Program setting, 302
- Installation program visibility settings, 304
- Installation Progress window, 439, 446, 446
- Installation Properties tab, 254, 256, 256
- Installation Source Files page, 140
- Installation Start In option, 302
- installers, operating system, 415–416, 429–430, 430
- Intel Activity Management Technology, 19
- interaction of site system roles, 157–158
- Internet-based software update settings, 348–349
- Internet option for software updates, 387
- Internet Sharing From Mobile Devices option, 610
- Inventoried Software Titles node, 477
- inventory, 15, 493–494
 hardware. *See hardware inventory*
 software
 collecting, 499–500, 499
 configuring, 511–518, 511–518
 troubleshooting, 518–521
 viewing, 500–501, 501, 514, 515
- Inventory Reporting Detail setting, 512
- InventoryAgent.log file, 519–521
- IP address ranges, 44
- IP subnets, 44
- IPv6 prefix, 44
- IT Infrastructure Library (ITIL), 2–7, 13
- IT Service Continuity Management process, 6
- IT service management (ITSM), 2
 ITIL, 2–7
 MOF, 7–13, 13
- IT Service Management Forum (itSMF), 2
- J**
- Job Scheduling SMF, 10
- jobs, migration, 66, 82, 87–91, 88–90
- K**
- Keywords option, 295
- L**
- labels in Asset Intelligence, 477
- Language Selection page, 351, 394

- languages
 - deployment, 299, 338
 - software metering rules, 526
 - software updates, 351, 377, 377, 394
 - Languages page, 204, 351, 377, 377
 - libraries
 - content, 42–43
 - ITIL, 2–7, 13
 - licenses
 - Asset Intelligence, 488–491, 488, 490–491
 - central administration sites, 128
 - reports, 484–485
 - link states, 666
 - Link Text option, 295
 - linked reports, 569
 - lite management of mobile devices, 195, 603–605, 605
 - Account page, 607, 607
 - configuration results, 614–616, 615–616
 - Discovery page, 608–609, 608
 - General page, 606–607, 606
 - Settings page, 609
 - Application settings, 614, 614
 - Email Management settings, 612–613, 612
 - General settings, 610, 610
 - Password settings, 610–611, 611
 - Security settings, 613–614, 613
 - load balancing, 49
 - load state for USMT packages, 422
 - local installation, 126
 - Localized Application Name option, 295
 - Localized Description option, 295
 - Locate Driver page, 455, 455
 - locations for deployment templates, 338
 - log files
 - application deployment, 327–328
 - backup process, 679
 - client, 654–655
 - management points, 178–179, 654
 - SCEP, 705
 - site servers, 651–653
 - for troubleshooting, 651–657
 - Windows event, 475
 - login scripts, 258
 - /Logon property, 248
 - Logon Requirement option, 303
- M**
- maintenance plans, 647–651, 648
 - maintenance windows, 351–352
 - malware, 700
 - antimalware policy, 709–715, 709–714
 - assigning policy, 716–717, 716
 - scenario, 723–728, 724–728
 - Windows Firewall policies, 715–716, 715
 - Malware Detection alerts, 719
 - Malware Outbreak alerts, 719
 - Manage Administrative Categories dialog box, 579, 580
 - Manage Endpoint Protection Client On Client
 - Computers option, 232
 - Manage phase for SMFs, 13
 - Management information format (MIF) files, 497–499, 504–505
 - Management Point page, 175–176, 175
 - management point role, 46, 619–620, 619
 - management points
 - dependencies, 274
 - finding, 177–178
 - high availability, 49
 - inventory, 519
 - log files, 178–179, 654
 - overview, 174–176, 175–176
 - proxy, 176–177
 - queries, 178
 - server locator point functionality, 178
 - software requirements, 179
 - troubleshooting, 179
 - Manual package conversion state, 103
 - manual synchronization, 342
 - Manually Copy The Content In This Package To The Distribution Point option, 387
 - Manually Define This Information option, 286
 - MAPS (Microsoft Active Protection Service), 700–701, 701
 - Maximum Allowed Run Time (Minutes) setting, 304–305
 - Maximum Custom MIF File Size (KB) setting, 504
 - Maximum Run Time settings, 352–353
 - Maximum Size For HTML Email (Automatically Downloaded) setting, 636
 - Maximum Size For Plain Text Email (Automatically Downloaded) setting, 636
 - Maximum Size Of An Attachment (Automatically Downloaded) setting, 636
 - Maximum Time To Keep Calendar Entries setting, 612
 - Maximum Time To Keep Email setting, 612, 635
 - MDT. *See* Microsoft Deployment Toolkit (MDT)
 - media task sequences, 418
 - media boot task sequences, 433–436, 434–435
 - Media Type page, 434, 435, 453
 - memory
 - central administration sites, 132
 - SQL, 126, 132
 - messages. *See* status messages

- metadata in software updates, 334–335, 376, 379, 401
 Metadata Only option, 401
 metering software. *See* Software Metering feature
 Microsoft Active Protection Service (MAPS), 700–701, 701
 Microsoft Active Protection Service page
 antimalware policy, 714, 714
 Endpoint Protection Manager, 204–205, 205
 Microsoft Application Virtualization Management, 21
 Microsoft Calculator Plus utility, 577–578
 Microsoft Configuration Manager folder, 148, 149
 Microsoft Deployment Toolkit (MDT)
 backing up, 676
 boot images, 465–466, 466
 installing, 464
 integrating, 464–465, 465
 scenarios, 464
 task sequences, 466–469, 467, 469
 Microsoft enterprise certification authority role, 620, 621
 Microsoft Malware Protection Center (MMPC), 700
 Microsoft Operations Framework (MOF), 7
 Changing Quadrant, 9–10
 ITIL, 7–9, 13, 13
 Operating Quadrant, 10
 operations management reviews, 12–13
 Optimizing Quadrant, 11–12
 process model, 9
 reliability workbook, 14
 Supporting Quadrant, 10–11
 Microsoft RichCopy 4.0 Properties dialog box, 293–298, 293–298
 Microsoft Software License Terms page, 128
 Microsoft Update catalog, 342
 Microsoft Volume License Statement, 488–489
 MIF (Management information format) files, 497–499, 504–505
 migmctrl.log file, 82, 92
 migration, 65
 branch offices. *See* P2V Migration Toolkit
 data-gathering process, 67–68
 distribution points, 78
 introduction, 65–66
 needs, 25
 objects, 54–55
 not supported, 77
 supported, 70–77, 71–73
 packages, 100–101
 best practices, 107
 monitoring, 108, 108
 Package Conversion Manager, 101–102, 101
 process, 102–107, 103, 105–106
 planning, 80–81
 preparing, 79
 report, 539
 side-by-side. *See* side-by-side migration
 source hierarchy, 66–67, 67
 types, 68–70
 wipe-and-load, 97–100, 100
 migration points, 182–185, 182–184, 424–426, 425
 Minimum Password Length (Characters) setting, 611
 MMPC (Microsoft Malware Protection Center), 700
 mobile device and AMT enrollment point role, 195–199, 197–198
 Mobile Device Management While Roaming option, 638
 mobile devices, 18, 603
 depth management. *See* depth management of mobile devices
 lite management. *See* lite management of mobile devices
 new features, 603–604
 operating systems, 30–32
 troubleshooting, 645–646
 Mobile Devices option, 233
 Mobile Devices Settings page, 632–633, 633
 models, report, 562–563
 MOF. *See* Microsoft Operations Framework (MOF)
 monitoring, 53
 application deployment, 326
 client health, 742–743, 742–743
 client status, 263
 distribution point upgrades, 92, 93
 migration, 66, 82, 83
 package conversion, 108, 108
 recovery, 691, 691
 SCEP, 702
 software updates, 330, 404–408, 404–407
 moving
 applications, 292–293
 reports, 568
 site databases, 696–697
 MP_Hinv.log file, 519
 /MP property, 248
 mpcontrol.log file, 179
 mpMSI.log file, 179
 mpSetup.log file, 179
 mtrmgr.log file, 529, 529
 multicast support and Multicast page, 42, 167, 167, 415
 multiple malware detection alerts, 719
 multiple product updates, 335
 multisite environments, recovery in, 692

N

names

- computers, 242
- configuration items, 579
- deployment, 299, 389
- packages, 385
- servers, 159
- software inventoried products, 500
- software metering rules, 525

NAP. *See* Network Access Protection (NAP)

NAP Evaluation tab, 353

native uninstall support, 272

.NET Framework application, 272

Netdisc.log file, 242

Network Access Account page, 420, 420

Network Access Account setting, 281

Network Access Protection (NAP), 18

- Active Directory schema, 37

- compliance, 233

- report, 539

- software updates, 353

- system health validator, 181

Network Access Protection Client Agent option, 233

Network Administration SMF, 10

Network Discovery Schedule tab, 244, 244

Network Location option, 387

Network report, 539

networks

- connectivity, 665

- describing, 25

- discovery. *See* discovering resources

- software updates, 387

- speed, 45

New Computer scenario, 467

New Distribution Points Wizard, 428

New Table Or Matrix Wizard, 564

No Action deployment option, 305

/NoCRLCheck property, 249

NOIDMIF files

- description, 498–499

- location, 504–505

non-task sequence bootable media, 115–116, 115

/noservice property, 248

Not Applicable package conversion state, 103, 106

Number Of Failed Logon Attempts Before Device Is Wiped setting, 611

Number Of Passwords Remembered setting, 611

O

objects

- content-related, 53

- discovering. *See* discovering resources

migrating, 54–55, 66, 68, 89–91, 89–90

security scopes, 217–218, 218

software updates, 335–337

Off-Peak Synchronization Frequency option, 638

Office of Government Commerce (OGC), 2

offline image servicing, 457–459, 458–459

OfflineServicingMgr.log file, 459

OMRs (Operations Management Reviews), 9, 12–13

Only The Instances Of The Objects That Are Assigned To The Specified Security Scopes Or Collections option, 221

Only When A User Is Logged On option, 304

Only When No User Is Logged On option, 304

Operate phase for SMFs, 13

Operating Quadrant MOF, 8, 10

operating system deployment (OSD), 17–18, 411

- bare metal, 412, 448–451, 449, 451

- client install package, 421–422, 421–422

- device drivers, 454–457, 455–457

- distribution points, 414–415

- driver catalogs, 418

- enhancements, 21

- images, 415

- automatic building and capturing, 436–438, 436–438

- boot. *See* boot images

- deploying, 440–441

- offline servicing, 457–459, 458–459

- reference computers, 438–440, 439–440

installers, 415–416, 429–430, 430

MDT, 464–470, 465–467, 469

migration objects, 75–76

Network Access account, 420, 420

new features, 411–412

process, 418–419

PXE on distribution points, 426–427, 427

scenarios, 412

state migration points, 414, 424–426, 425

task sequences, 416–418

- for capture image, 430–436, 431–435

- deploying, 444–448, 445–448

- developing, 441–444, 442–444

- user device affinity, 418, 459–463, 460–463

- user state maintenance, 470–471, 470

- USMT packages, 422–424, 423

Operating System Deployment Manager role, 549

operating systems

- client requirements, 27–32

- client support, 234–235

- P2V Migration Toolkit requirements, 109

- report, 539

- server requirements, 33–36

Operations Administrator role, 212, 549

operations management overview, 1
 defining, 1–2
 ITIL, 2–7
 MOF, 7–13, 13
 Operations Management Reviews (OMRs), 9, 12–13
 Operations Manager Alert option, 392
 Operations Review, 12
 Operations role cluster, 9
 Optimizing Quadrant MOF, 7–8, 11–12
 Option tab for group discovery, 241, 241
 optional application information, 288
 Options tab for Software Center, 316, 316
 ORDER BY keyword, 562
 Organization Name setting, 232, 355
 organizational units (OUs), 237
 out-of-band management, 19–20, 187–189, 188–189
 out-of-service point role, 47
 overlapping boundaries, 45
 Owners option, 294

P

P2V Migration Toolkit, 109
 non-task sequences, 115–116, 115
 requirements, 109
 scenarios, 110
 steps, 110–114, 111–114
 task sequences, 110
 Package Conversion Dashboard, 103, 103, 108
 Package Conversion Manager, 101–102, 101
 Package Conversion Wizard, 105–106, 106
 Package Definition page, 421, 421
 Package Source setting, 386
 packages
 deployment, 338–339, 384–386
 library, 42
 migrating, 100–101
 best practices, 107
 monitoring, 108, 108
 Package Conversion Manager, 101–102, 101
 process, 102–107, 103, 105–106
 package definition files, 421, 421
 USMT, 422–424, 423
 Packages node, 267, 268
 PackageScanReport.XML file, 108, 108
 parameters for reports, 552
 Partner role cluster, 9
 partner software updates catalogs, 397–398, 398
 Password Complexity option, 611, 634
 Password Expiration In Days option, 611
 Password page, 633–635, 634

Password Settings window, 610–611, 611
 passwords for mobile devices, 610–611, 611, 633–635, 634
 Patch property, 249
 Patch Tuesday, 340–341, 341
 paths, discovery, 237
 PCMTrace.log file, 108
 PDP And IMAP Email option, 635
 Peak Synchronization Frequency option, 638
 Peak Synchronization page, 637–638, 637
 Pending state in Asset Intelligence, 479
 permissions
 Application Administrator, 213, 213
 central administration sites, 132
 clients, 232
 Configuration Manager deployment, 664
 reports, 545, 545, 550
 Software Update Manager, 357
 Persist Content In The Client Cache option, 300
 phases in client installation, 261
 physical locations, 56–57
 physical-to-virtual Migration Toolkit. *See* P2V
 Migration Toolkit
 PkgLib folder, 170, 171
 PkgXferMgr component, 43
 Plan phase in SMFs, 13
 Planning for Site Systems in Configuration
 Management document, 131
 Platform Applicability page, 644, 645
 POC (proof-of-concept) environments, 60
 policies
 endpoint protection, 709
 antimalware, 709–715, 709–714
 assigning, 716, 716
 Windows Firewall, 715–716, 715
 group
 client installation, 257
 SCEP, 703
 settings, 356–357
 Policy Polling Interval (Minutes) setting, 354
 Polling Schedule tab, 243, 243
 POP And IMAP Email option, 612
 Port Number setting, 618
 portalwebMSI file, 195
 portlctf.log file, 195
 ports
 proxy points, 618
 WSUS, 373, 373
 post-installation phase in client installation, 261
 post-migration considerations, 99
 post-recovery tasks, 695–696, 695
 power control in out-of-band management, 19–20

power management
 centralized, 21–22
 client setting, 233
 report, 539–540

PowerShell Execution Policy option, 232

pre-deploying user applications, 463, 463

pre-installation phase in client installation, 261

pre-migration in package conversions, 107

preinst.exe tool, 693–694

PREREQCHK.EXE file, 123

Prerequisite Check page, 132, 132, 690, 690

Prerequisites Downloads page, 128–129, 128

Prerequisites Licenses page, 128

PrestageContent.log file, 95

prestaged content, 44, 270, 289–290, 290

prestaged media, 418

previously migrated objects, migrating, 69–70

Primary Computer Users report, 475

Primary Site Installation page, 135–136

primary sites, 39–40

- active software update points setup
 - child of CAS, 370–372, 371
 - stand-alone, 372–374
- recovering, 692
- servers, 120
 - checklist, 124
 - implementing, 134–138, 134, 137–138

priorities

- application deployment type, 298
- policies, 716, 716
- software update distribution, 387

private firewall profiles, 716

problem management process, 4, 11

Process Model, 7

Processor Properties node, 477–478

processor requirements

- clients, 27
- servers, 33

Product Code option, 302

Product Key page, 128, 128

products in updates, 350–351

Products page

- Software Update Point role, 203–204, 203
- software updates, 377, 377
 - third-party updates, 402, 403

profiles for Windows Firewall policies, 716

Programs tab, 301–302, 301

proof-of-concept (POC) environments, 60

Properties dialog box for applications, 293

protection, endpoint. *See* System Center Endpoint Protection (SCEP)

providers in hardware inventory, 506

provisioned systems, 187

provisioning

- command lines, 252
- workstations, 20

proxy management points, 176–177

Proxy Server Settings page, 206, 487

Proxy Settings option, 397

public firewall profiles, 716

publishing updates. *See* System Center Updates Publisher (SCUP)

Purpose setting in application deployment, 310

push client installation, 253–257, 255–257

PXE and PXE page

- boot images for, 428–429, 429
- configuring, 42
- distribution points, 166, 166, 415, 426–427, 427
- unknown computer support, 452, 452

PXE Service Point Configuration dialog box, 426–427

Q

quadrants in MOF, 7–13

queries, 16, 178

Query Rule for collections, 219

quick antimalware scans, 710

R

RAM requirements

- clients, 27
- servers, 33

RBAC (Role-Based Access Control) model, 209

RCMCtrl.log file, 668, 668

Read-only Analyst role, 212, 549

Real-Time Protection page, 712, 712

recovery. *See* disaster recovery

Recursively Search Active Directory Child Containers option, 237

reference computer images, 438–440, 439–440

References tab

- sample application, 295, 295
- supersedence, 318, 318

refresh computer deployment scenario, 412

Refresh Interval (Hours) option, 610

Registry

- 64 bit applications, 584
- hardware inventory, 507–510, 508–510
 - Report Builder, 563–564
 - site installation validation, 146–148, 147–148

RegKeyToMof tool, 508–509, 508

Release Management process, 5, 10

Release Readiness Review SMF, 12
 Release role cluster, 9
 Reliability Workbook, 14
 remediation, client, 261–262, 262
 reminders for client software updates, 354
 remote console for out-of-band management, 20
 remote control, 18
 Remote Desktop option, 613
 remote distribution point throttling, 270
 remote installation, 126
 Remote Tools Operator role, 212
 Remote Tools option for clients, 233
 Removable Storage option, 613, 637
 Repeated Malware Detection alerts, 719
 repeating services point role, 47
 Replace Hardware scenario, 464, 469–470
 replication, 50
 SQL, 281
 troubleshooting, 665–669, 665, 667–669
 Report Builder, 563–565, 564–565
 Report Manager, 542–543, 543
 Reporting Services point, 189–191, 190
 Reporting Services Point page, 536, 536
 reporting services site system, 535–536, 536
 reports, 19, 533–534
 Asset Intelligence, 481–485
 BIDS, 566–568
 client health, 743, 743
 client inventory, 515
 Compliance Settings, 596–597
 creating, 561–568, 564–565
 exporting, 570–571
 hardware inventory, 496–497
 importing, 551–552, 569–570
 linked, 569
 managing, 550–558
 migrating, 77
 migration results, 83
 models, 562–563
 moving, 568
 Report Builder, 563–565, 564–565
 Reporting Services, 189–191, 190
 running, 541–543, 542–543
 SCEP, 723, 723
 security, 545–550, 545, 558
 software metering, 474, 530, 540
 software updates, 381–382, 381, 407–408
 SQL commands, 561–562
 SQL Reporting Services, 21
 SQL Server Reporting Services, 534–538, 536
 status messages, 659–660
 subscriptions, 553–555, 558–561, 559

Require Administrator Approval if Users Request this Application option, 310
 Require Email Encryption/Encryption Algorithm option, 639
 Require Email Signing/Signing Algorithm option, 639
 Require Password Settings On Mobile Devices option, 611, 634
 Require The Site Server To Initiate Connections To This Site System option, 367, 370, 372
 Required Components to Use Administration UI page, 365
 requirements and Requirements tab
 Application Catalog Web Service Point, 194
 Application Catalog Web Site Point, 194
 application deployment, 273, 319–321, 321–322
 application information, 305–306, 305
 Asset Intelligence, 473–475, 478
 clients, 26–32
 distribution points, 173
 Endpoint Protection Manager, 205
 fallback status points, 186
 management points, 179
 mobile devices, 198
 Reporting Services, 191
 servers, 33–36
 site servers, 123–125
 Software Update Point role, 204
 state migration points, 185
 system health validator points, 182
 RESETKEYINFORMATION property, 250
 Resource Explorer, 500–501, 501, 514, 515, 518, 519
 resources
 discovery. *See* discovering resources
 for security scopes, 216, 217
 Resources folder, 538
 Restart Countdown setting, 352
 Restart Settings page, 352
 restoring backups, 682–685, 684
 Retire/Reinstate option, 290
 /retry property, 248
 return codes, 273–274, 306, 306
 Return Codes tab, 306, 306
 review phase in migration, 81
 Revision History option, 289, 289
 Ribbon options, 288–293, 289–292
 RichCopy application, 272
 roaming
 global, 37
 mobile device settings, 638, 638
 site system roles, 158
 Roaming page, 638, 638

Role-Based Access Control (RBAC) model, 209
 role-based administration, 53–54, 209
 administrative users, 220–221, 220, 224–225,
 224–226
 collections, 218–220, 223–224
 overview, 209–210
 security
 roles, 210–213, 211, 213, 221
 scopes, 214–218, 214–215, 217–218, 221–231,
 222–223
 software updates, 357–358
 roles
 mobile devices, 616–617
 Application Catalog web service point, 622, 622
 distribution point, 621, 621
 enrollment point, 618–619, 618
 enrollment proxy point, 617–618, 617
 management point, 619–620, 619
 Microsoft enterprise certification authority, 620,
 621
 site system. *See* site system roles
 rules
 application deployment, 319–320
 collections, 219
 configuration baselines, 581, 590–596, 591, 595
 configuration items, 585–588, 585, 587–588
 software metering
 adding, 524–526, 525
 Automatic Rule Generation, 523–524, 523
 enabling and disabling, 524
 migrating, 77
 software updates, 330, 337, 340–341, 341
 supersedence, 349
 System Center Updates Publisher, 358, 399–400,
 400
 Run Installation and Uninstall Programs in 32-Bit
 Process on 64-Bit Clients option, 302
 Run Task As Soon As Possible After A Scheduled Start
 Is Missed option, 735
 running reports, 541–543, 542–543

S

Scan Settings page, 711, 711
 scan state for USMT packages, 422
 scans
 antimalware policy, 709–711, 709–711
 software updates, 361
 SCCMContentLib folder, 170, 171
 SCCMContentLib library, 42
 SCEP. *See* System Center Endpoint Protection (SCEP)
 SCEPInstall.exe utility, 705
 Schedule Deployment Re-evaluation setting, 361

Schedule Evaluation setting, 390
 Scheduled Scans option, 709–710, 709
 scheduled tasks
 Actions page, 734, 734
 CCMEval, 736–739, 736, 738–739
 client health, 732–733, 732–733
 Conditions page, 734, 734
 History page, 735, 736
 Settings page, 735, 735
 Triggers page, 733, 733
 schedules
 antimalware scans, 709–710, 709
 application deployment, 311, 311
 content distribution, 41–42
 deployment templates, 337
 discovery, 243–244, 243–245, 608
 inventory, 501–502
 report subscriptions, 559
 software updates
 deployments, 390–391, 390
 scans, 361
 synchronization, 342, 349, 378, 378
 Scheduling page
 Deploy Software Updates Wizard, 390–391, 390
 Deploy Software Wizard, 311, 311
 schema for Active Directory, 36–37
 scheme extensions, 132
 scopes, security, 53, 214, 214
 applications, 292–293
 creating, 214–216, 215
 resources, 216–217, 216–217
 scenario, 221–231, 222–223
 viewing, 217–218, 218
 Scratch Space setting, 465
 scripts for client installation, 258, 260
 SCUP (System Center Updates Publisher), 675–676
 search folders in migration, 77
 search options for software updates, 382–384, 382–384
 secondary site servers
 implementing, 138–145, 139–145
 overview, 120–121
 secondary sites, 40
 backing up, 682
 migrating, 84
 upgrading, 95–96, 96
 security
 mobile devices, 613–614, 613, 636–637, 636
 reports, 545–550, 545, 558
 roles, 53, 210–213, 211, 213, 221
 SCEP, 700–702
 scopes, 53, 214, 214
 applications, 292–293
 creating, 214–216, 215

resources, 216–217, 216–217
 scenario, 221–231, 222–223
 viewing, 217–218, 218

sites, 51

SQL Server Reporting Services, 535

Security Administration SMF, 10

Security Administrator role, 212, 549

Security Compliance Manager, 598–599, 599

Security Management SMF, 11

Security page

- application, 297, 298
- boot images, 414
- mobile devices, 636–637, 636
- operating system images, 415
- operating system installers, 416
- unknown computer support, 453, 454

Security role cluster, 9

Security Settings window, 613–614, 613

Security Warning window, 399, 399

SELECT command for reports, 562

Select Deployment Package option, 385

Select Deployment Template option, 389

Select Files page, 599, 599

Select Media Type page, 434, 434, 453, 453

Select New Container dialog box, 236, 237

Selected Language option, 295

Self-Update option, 357

Send Password Recovery PIN To Exchange Server option, 634

Server Deployment scenario, 464

Server Language Selection page, 129

server locator point functionality, 178

servers

- requirements, 32–36
- setting migration, 66
- site. *See* site servers

Service Continuity Management SMF, 12

Service Delivery process, 3

service desk function, 4, 11

Service Level Agreement Review, 12

Service-Level Agreements (SLAs), 4

Service Level Management (SLM) process, 5, 11

Service Management Functions (SMFs), 7–13

Service Monitoring and Control SMF, 10

/Service property, 248

Service Support process, 3

service validation, 151, 151

Services registry key, 148, 148

Servicing tab, 415

Set period of time to install Software Updates with a deadline setting, 361

Set Security Scope option, 292–293

Set Security Scopes window, 216

Setting Summary page, 131, 131

settings and Settings page

- Add Exchange Server Wizard, 609
- Application Settings, 614, 614
- Email Management Settings, 612–613, 612
- General Settings, 610, 610
- Password Settings, 610–611, 611
- Security Settings, 613–614, 613

Application Deployment, 274

migrating, 76

recovery process, 689, 689

scheduled tasks, 735, 735

task sequences, 417

Settings Management feature, 18

Settings Summary page, 689, 689

Setup Wizard

- central administration sites, 127–134, 127–133
- primary site servers, 134–138, 134, 137–138
- System Center Updates Publisher, 395, 395

Shared (Multi-user) Computers report, 475

Show Install Status option, 144, 145

Show Message menu, 658, 658

Show Notifications For New Deployments option, 232

Show Settings From All Mobile Device Configuration Items option, 643

side-by-side migration, 81–82

- clients, 96–97
- configuring, 85–86, 85–86
- distribution points, 87, 91–95, 92–93, 95
- process, 82–84, 83
- secondary sites, 95–96, 96

Signing And Encryption tab, 515

Simple Schedule option, 504

Simulate Deployment option, 291, 291

Single Computer page, 449, 449, 469

single instance storage, 269

Site and Installation Settings page, 129, 129, 688, 688

site data, 667, 667

site database server point role, 47

Site Maintenance dialog box, 526–527, 527

site migration point role, 47

Site Recovery Information page, 687, 687

Site Repair Wizard, 685

Site Server and Database Recovery Options page, 686–687, 687

site servers, 121

- backing up, 680–681, 681
- checklist, 123–124
- implementing, 123, 123
- central administration, 125–137, 127–136

site servers (*continued*)

primary sites, 134–138, 134, 137–138
 secondary sites, 138–145, 139–145
 software requirements, 123–125
 troubleshooting, 152–155, 152–155
 unattended installation, 155–157
 inventory, 519–520
 log files, 651–653
 primary, 120
 secondary, 120–121
 verifying, 145–150, 146
 database validation, 152, 152
 file system validation, 148, 149
 group validation, 149–150, 150
 registry validation, 146–148, 147–148
 services validation, 151, 151
 WMI validation, 150–151, 151

Site Status dashboard, 658, 658

Site System Installation Account setting, 367, 372

site system roles, 45–47

Application Catalog Web Service Point, 191–195, 192–194
 Application Catalog Web Site Point, 191–195, 192–194
 Asset Intelligence Synchronization Point, 206–207, 206
 component servers, 162
 configuring, 137, 137
 distribution points, 162–174, 163–174
 Endpoint Protection Manager, 204–205, 205
 fallback status points, 185–187, 186
 installing, 157–160, 158–159
 management points, 174–179, 175–176
 mobile device and AMT enrollment point, 195–199, 197–198
 operating system, 33–34
 out-of-band management, 187–189, 188–189
 overview, 160–162
 Reporting Services point, 189–191, 190
 site database servers, 180
 site servers, 179–180
 site systems, 180
 Software Update Point, 199–204, 199–203
 state migration points, 182–185, 182–184
 system health validator points, 180–182
 Site System Roles page, 137, 137
 site systems, 180
 backing up, 674
 design, 47–49
 planning, 58
 Site tab, 260, 260
 site-to-site communications, 281
 sitecomp.log file, 162, 537

sites, 37–38, 38

boundaries, 44–45
 central administration, 38–39
 communications, 50
 databases, 47, 696–697
 distribution points, 41–44, 43
 failure effects, 682–683
 maintenance tasks, 648–650
 migrating, 66
 primary, 39–40
 recovering, 684–685, 684, 692
 secondary, 40
 security, 51
 types, 120–121, 122
 upgrading, 95–96, 96
 64 bit applications, Registry, 584
 Size Limit (KB) For Email Attachments (Automatically Downloaded) setting, 613
 Size Limit (KB) For HTML Email (Automatically Downloaded) setting, 613
 Size Limit (KB) For Plain Text Email (Automatically Downloaded) setting, 612
 spswi.dat file, 515
 SLAs (Service-Level Agreements), 4
 SLM (Service Level Management) process, 5, 11
 SMFs (Service Management Functions), 7–13
 smp.msi file, 185
 smpmsi.log file, 185
 SMS And MMS Messaging option, 614, 637
 SMS_CCM folder, 148, 149
 SMS Database Monitor, 155
 sms_def.mof file, 78, 495
 SMS_Executive component, 153–154, 153
 SMS provider point role, 47
 SMS Provider Settings page, 130–131
 SMS providers
 high availability, 49
 purpose, 155
 settings, 130–131
 SMS registry key, 146
 SMS Site reports, 540
 smsawebsvcsetup.log file, 195
 smsbkup.log file, 676, 676, 682
 SMSCacheDir property, 251
 SMSCacheFlags property, 251
 SMSCacheSize property, 251
 SMSConfigSource property, 251
 smsdbmon.log file, 155, 180
 SMSDIRECTORYLOOKUP property, 251
 SMSDPPROV.LOG file, 92
 Smsenrollsrvsetup.log file, 198
 Smsenrollwebsetup.log file, 198
 smsexec.log file, 154, 154

SMSFSPSetup.log file, 187
 SMSMP property, 251
 smsportwebsetup.log file, 195
 smspov.log file, 180
 SMSPUBLICROOTKEY property, 250
 smspxe.log file, 427
 SMSROOTKEYPATH property, 250
 SMSSiteCode property, 252
 smssmpsetup.log file, 185
 snapshots
 archiving, **678–679**, 678
 report properties, 557
 Software Available Time setting, 390
 Software Catalog
 application deployment, 314, 315
 application information, 282
 distribution points, **271**
 primary devices, 322
 software categories for Asset Intelligence, **476**
 Software Center
 application deployment, 314–316, **315–316**
 distribution points, **271**
 software updates, 331, 331
 Software Deployment option, 233
 Software Deployment page, 278–279, 279
 software distribution
 client installation, **258**
 collections. *See* collections
 distribution points. *See* distribution points
 packages. *See* packages
 reports, 540
 Software Distribution Component Properties dialog box, **280–281**, 280
 Software Download While Roaming option, 638
 software families for Asset Intelligence, **476–477**
 software inventory
 clients, 233
 collecting, **499–500**, 499
 configuring, **511–518**, 511–518
 software licenses for Asset Intelligence, **488–491**, 488, 490–491
 Software Metering Client Agent, 473–474, 521
 Software Metering feature, **17**, **521**
 clients, **528–530**, 529
 configuring, **522–523**, 522
 maintenance tasks, **526–528**, 527
 overview, **521–522**
 reports, **474**, **530**, 540
 rules
 adding, **524–526**, 525
 Automatic Rule Generation, **523–524**, 523
 enabling and disabling, **524**
 migrating, 77
 Software Metering option, 233
 Software Metering Properties dialog box, 523, 523
 Software Metering Summarization Progress report, 527, 527
 Software Metering Usage Report Cycle action, 529, 529
 software reports, **483–484**
 software requirements
 Application Catalog Web Service Point, 194
 Application Catalog Web Site Point, 194
 Asset Intelligence Synchronization Point, 207
 distribution points, **173**
 Endpoint Protection Manager, 205
 fallback status points, 186
 management points, **179**
 mobile device and AMT enrollment point role, 198
 Reporting Services, 191
 servers, **33–36**
 site servers, **123–125**
 Software Update Point role, 204
 state migration points, 185
 system health validator points, 182
 Software Update Catalog, 358
 Software Update Manager role, 212
 reports, 549
 software updates, **357–358**
 software update point role, 47
 active. *See* active software update points setup infrastructure, **346**
 install planning, **346–348**
 settings, **199–204**, 199–203
 software updates, **333–334**
 testing, **359–360**
 Software Update Scan Schedule setting, **361**
 software updates, **17**, **329**
 classifications
 classes, **350**
 configuring, 376, 376
 metadata, 334–335
 client installation, **257–258**
 client settings, **355–356**, 355
 compliance, **343–344**
 Computer Client Agent, **353–355**, 354
 deployments, **339–340**, **344–345**
 Deploy Software Updates Wizard, **388–395**, 389–392
 packages, **338–339**
 rules, **340–341**, 341
 templates, **337–338**
 downloading, **384–387**, 385–386
 enabling, 233
 files, **335**

software updates (*continued*)
 finding, 380–384, 381–384
 general settings, 348
 goals, 346
 group policy settings, 356–357
 groups, 330, 337, 388
 Internet-based settings, 348–349
 languages, 351, 377, 377, 394
 maintenance windows, 351–352
 metadata, 334–335, 376, 379
 migrating, 74–75
 monitoring, 404–408, 404–407
 new features, 329–332
 objects, 335–337
 planning, 345
 prerequisites, 332–333
 process, 342
 products, 350–351
 properties, 353
 reports, 381–382, 381, 540–541
 role-based administration, 357–358
 settings, 375–380, 376–378
 software update point role. *See* software update point role
 Software Updates Client Agent
 configuring, 360–361, 360
 description, 334
 summary details, 351
 supersedence rules, 349
 synchronization, 342–343, 349, 375–380, 376–378
 System Center Updates Publisher, 358–359
 templates, 332, 337–338
 test labs, 359–360
 update files, 351
 Windows Server Update Services Server
 console, 365–366
 installation, 361–365, 363
 Software Updates Client Agent, 360–361, 360
 Software Updates Deployment Evaluation Cycle
 action, 355
 Software Updates Scan Cycle action, 355
 sorting reports, 562
 Source Directory page, 421, 422
 Source Files page, 421
 source hierarchy, 66–67, 67, 85
 /source property, 248
 source sites, migrating, 66
 Specify A Fully Qualified Domain Name (FQDN) For This Site System On The Intranet option, 370
 Specify An FQDN For This Site System For Use On The Internet option, 367
 Specify An FQDN For This Site System On The Intranet option, 372

Specify an Internet-based FQDN For This Site System option, 370, 372
 Specify Endpoint Protection License page, 704
 Specify Intranet Microsoft Update Service Location option, 356
 Specify Microsoft Active Protection Service window, 704
 Specify Peak Time option, 638
 Specify The Content Distribution page, 428
 speed of networks, 45
 splash.hta file, 127
 SpyNet, 700
 SQL
 considerations, 49–50
 memory, 126, 132
 replication, 281
 reports
 commands, 561–562
 SQL Reporting Services, 21, 675
 SQL Server Management Studio, 534
 SQL Server Reporting Services (SSRS), 189–190, 534–538, 536
 SQL Server Settings page, 140–141, 141
 srsrp.log file, 191, 538
 srsrpMSI.log file, 191, 538
 srsrpsetup.log file, 191
 SSRS (SQL Server Reporting Services), 189–190, 534–538, 536
 stand-alone media for task sequences, 418
 standalone site recovery, 692
 startup scripts for client installation, 260
 state-based distribution point groups, 43–44
 State Message Detail Level setting, 390
 State Message Reporting Cycle (Minutes) setting, 355
 State Messaging setting, 234
 State Migration page, 443, 443, 450–451, 451
 State Migration Point page, 424–426, 425
 state migration points
 configuring, 424–426, 425
 operating system deployment, 414
 State Migration report, 541
 states
 Asset Intelligence validation, 473
 link, 666
 statistics for in-console monitoring, 404–407, 404–407
 Status Message Details dialog box, 659, 659
 status messages, 657–659, 658–659
 default reports, 541
 deployment, 661–662
 distribution, 662–663
 distribution point configuration, 663
 distribution point groups, 663

system, 664
 web reports, 659–660

Stop Data Gathering dialog box, 99

Stop The Task If It Takes Longer Than setting, 735

Storage Card Encryption option, 614, 639

Storage Folder Settings page, 425, 425

Storage Management SMF, 10

Style folder for reports, 538

Subscription Schedule page, 559

subscriptions for reports, 553–555, 558–561, 559

summarization tasks for software metering, 528

Summarize Installed Software Data task, 474

Summary Details information for software updates, 351

Summary page

- Asset Intelligence, 487
- client health, 740, 740
- client installation, 422
- computer information, 450
- configuration items, 588, 588
- Deploy Software Updates Wizard, 394–395, 394
- device drivers, 457
- distribution points, 169, 169
- image capture, 439
- Microsoft Deployment Toolkit, 470
- mobile devices, 614–615
- packages, 424
- secondary site servers, 143–144, 144
- task sequences, 436, 443

supersedence, 343

- application deployment, 317–318, 317–318
- Application References, 272
- software updates, 349

Supersedence page for applications, 297, 297

Supersedence Rules page

- Software Update Point role, 202, 202
- software updates, 377, 378

Support role cluster, 9

Supported Platform page, 644, 644

Supporting Quadrant MOF, 9–11

Supports Contacts option, 294

Suppress Any Required Computer Restart After The Endpoint Protection Client Is Installed option, 232

Supsetup.log file, 204

Suspend BitLocker PIN Entry Or Restart option, 232

suspended software updates, 330–331

swmproc.log file, 530

SWMTRReportGen.log file, 530

Sync Schedule tab, 378, 378

synchronization

- Asset Intelligence, 479, 486–487, 487
- discovery, 608

mobile devices, 637–638, 637

monitoring, 407, 407

software update points, 368–369, 374

software updates, 342–343, 349, 375–380, 376–378

Synchronization Point Schedule page, 487

Synchronization Schedule page

- Asset Intelligence Synchronization Point, 207
- Software Update Point role, 201

Synchronization Source page, 200, 201, 371, 371

Synchronize From An Upstream Update Server option, 368, 374

Synchronize From Microsoft Update option, 368, 374

System Administration SMF, 10

System Center Endpoint Protection (SCEP), 22, 699

- alerts, 719–722, 720–722
- benefits, 700–702
- definition files, 717–719, 717–718
- Endpoint Protection client agent, 705–709, 706–708

Endpoint Protection Point role, 702–705, 704

endpoint protection policies, 709

- antimalware, 709–715, 709–714
- assigning, 716, 716
- Windows Firewall, 715–716, 715
- vs. FEP, 699

malware scenario, 723–728, 724–728

reporting, 723, 723

settings, 232–233

System Center Online service, 476

System Center Updates Publisher (SCUP), 127, 342, 395

- backups, 675–676
- configuring, 396–397, 396–397
- importing updates, 398–399, 399
- installing, 395–396, 395
- overview, 358–359
- partner software updates catalogs, 397–398, 398
- publishing updates, 401–402, 401
- rules, 399–400, 400
- third-party updates, 402–404, 403

system discovery, 52, 239–240, 240

system health validator point role, 47, 180–182

system requirements

- client, 26–32
- servers, 32–36

System Center Updates Publisher, 358–359

System Restart Turnaround Time setting, 352

system role. *See* site system roles

System Role Selection page

- Asset Intelligence, 487
- reporting site role, 535
- state migration points, 424

system status messages, 664

system updates. *See* System Center Updates Publisher (SCUP)
systems management, 1

T

Task Sequence Designer, 111, 112
Task Sequence Information page, 442, 450
task sequences
capture images, 430–436, 431–435
deploying, 444–448, 445–448
developing, 441–444, 442–444
MDT, 466–469, 467, 469
media boot, 433–436, 434–435
operating system deployment, 416–418,
 450–451, 451

P2V Migration Toolkit, 110–114, 111–114
reports, 541

Team Model, 8

Technology setting, 299

templates for software updates, 332, 337–338

test labs, 359–360

test phase in migration, 80–81

testing

- site backups, 681, 681
- software update points, 359–360

thin images, 419

3rd party license information, 490–491, 491

third-party updates, 402–404, 403

Threat Overrides page, 713, 713

thresholds for alerts, 721, 721

throttling

- content distribution, 41–42
- remote distribution point, 270

time stamps for log files, 328

Trace utility, 328

Trace32 utility, 154

Triggers page, 733, 733

troubleshooting, 647

- Application Catalog Web Service Point,
 194–195

- Application Catalog Web Site Point, 194–195

- application deployment, 325–328, 326

- Asset Intelligence Synchronization Point, 207

- backups, 682

- client installation, 261

- Configuration Manager deployment, 664–665

- Database Replication, 665–669, 665, 667–669

- distribution points, 173–174, 174

- Endpoint Protection Manager, 205

- enrollment proxy point and enrollment point,
 198–199

fallback status points, 187

inventory, 518–521

log files for, 651–657

maintenance plans for, 647–651, 648

management points, 179

mobile devices, 645–646

Reporting Services, 191

scenario, 669–671

site database servers, 180

site servers, 152–155, 152–155

Software Update Point role, 204

state migration points, 185

status messages for, 657–664, 658–659

Trusted Publishers option, 397

Type of Deployment setting, 390

U

unattended site server installation, 155–157

Uncategorized state in Asset Intelligence, 479

Unhealthy Client Details reports, 263

Uninstall Program option, 302

/Uninstall property, 249

Uninstall Start In option, 302

unknown computer support, 452–455, 452–455

Unknown package conversion state, 103

Unknown status in monitoring, 405

unmanaged scenarios, SCEP in, 702–703

Unsigned Applications option, 614, 637

Unsigned File Installation option, 614, 637

Update Files setting, 351

Update lists feature, 332

Update Prerequisite Components page, 688, 688

Update Server option, 396

Update/Update Group option, 390

Updateable state in Asset Intelligence, 479

Updated Prerequisite Components page, 135

updates

- clients, 259, 259

- security, 717–719, 717–718

- software. *See* software updates

Upgrade Assessment - Windows 7 report, 541

Upgrade Shared Distribution Point wizard, 91–92, 92

upgrading

- administrative console, 84

- Configuration Manager console, 98–99

- distribution points, 83–84, 91–95, 92–93, 95

- secondary sites, 95–96, 96

Use default distribution point groups associated to this collection option, 308–309

Use This Server As The Active Software Update Server option, 375

Use Wake-On-LAN to Wake up Clients for Required Deployment option, 390
 /UsePKICert property, 249
 User And Device Affinity settings, 234, 279, 280
 User Categories option, 295
 user-centric focus for distribution points, 271
 user configuration for mobile devices, 624–631, 625–631
 User-defined state in Asset Intelligence, 478
 User Device Affinity
 application deployment, 322–325, 323–325
 configuring, 459–463, 460–463
 operating system deployment, 418
 report, 541
 User Device Affinity Usage Threshold (Days) setting, 461
 User Device Affinity Usage Threshold (Minutes) setting, 461
 User Documentation option, 295
 User-Driven Installation scenario, 464
 User Experience settings
 application deployment, 303–305, 303
 Deploy Software Updates Wizard, 391–392, 391
 Deploy Software Wizard, 312, 312
 deployment templates, 337
 task sequence deployment, 446
 visual experience, 391–392
 user facing packages, 101
 user focused service support, 3
 User State Migration Tool (USMT)
 documentation, 424
 package creation, 422–424, 423
 users
 administrative, 220–221, 220, 224–225, 224–226
 discovery, 52, 240
 report, 541
 state management, 470–471, 470
 UserState task category, 417

V

Validated state in Asset Intelligence, 478
 validation
 Asset Intelligence states, 478–479
 configuration baseline rules, 594–596, 595
 configuration items, 585–588, 585, 587–588
 content, 43, 43
 databases, 152, 152
 file systems, 148, 149
 groups, 149–150, 150
 registry, 146–148, 147–148
 services, 151, 151
 WMI, 150–151, 151
 validator points, 180–182

vendor updates, 358
 verification
 client installation, 260–261, 260
 site servers, 145–150, 146
 database validation, 152, 152
 file system validation, 148, 149
 group validation, 149–150, 150
 Registry validation, 146–148, 147–148
 services validation, 151, 151
 WMI validation, 150–151, 151
 version setting for software metering rules, 525–526
 viewing
 inventory information, 500–501, 501
 software inventory, 514, 515, 517–518, 518
 Virtual Application Name setting, 619
 virtual application package migration, 74
 Virtual Applications report, 541
 Volume Shadow Copy Service (VSS), 673

W

Wake on LAN feature
 description, 18
 report, 541
 WCM.log file, 204
 web reports for status messages, 659–660
 Web Site Name setting, 618
 Web Site Selection page, 363, 363
 Website Name/Port Number setting, 619
 Whether Or Not A User Is Logged On option, 304
 wildcards in Compliance Settings, 584
 Windows 7 operating system support, 28
 Windows event log settings, 475
 Windows Firewall policies, 715–716, 715
 Windows Management Instrumentation (WMI), 150–151, 151, 344
 Windows Server 2003 operating system support, 29
 Windows Server 2008 operating system support, 29–30
 Windows Server Update Services (WSUS), 17, 329
 central administration sites, 132
 console, 365–366
 database backups, 675
 description, 332
 installing, 361–365, 363
 ports, 373, 373
 reporting events, 349
 software update points, 346
 Synchronization Manager, 342–343
 Windows Update Agent (WUA)
 compliance, 343
 event messages, 349
 software updates, 356

- Windows Vista operating system support, 28
- Windows XP operating system support, 27
- wipe-and-load migration, 97–100, 100
- Wireless Communications page, 640–641, 640
- Wireless Network Connection window, 641, 641
- Wireless Network Connections option, 613
- Wizard Completed screen
 - captured image, 441
 - compliance, 343
 - distribution points, 428
 - task sequences, 436
 - USMT packages, 424
- WMI (Windows Management Instrumentation),
150–151, 151, 344
- Work Information setting, 356
- Workforce Management SMF, 11
- workstations as distribution points, 269
- WSUS. *See* Windows Server Update Services (WSUS)
- WSUSCtrl.log file, 204
- wsutil.exe utility, 74–75, **379–380**
- WSYNCMGR.log file, 204
- WUA (Windows Update Agent)
 - compliance, 343
 - event messages, 349
- software updates, 356