



Symbols

? (question mark) icon, 74

A

accounts

- default Cisco Unity accounts, 111
- setting policies, 98

ACE/Server, 23

AD (Active Directory), 259

- directory replication, 267
- two unity systems in an AD forest, 268

AD forests

- directory replication, 269–270
- VPIM networking, 290

adapter fault tolerance (AFT), 183

adding

- Cisco Unity subscribers, 112–114
- subscribers, 115

addressing (subscriber), 275

Administrative Access Activity Reports, 165

Administrator reports. *See* Cisco Unity

Administrator reports

AFT (adapter fault tolerance), 183

AMIS (Audio Message Interchange Specification), 156, 208

AMIS Options Delivery Options page, 301

AMIS Outbound and Inbound Traffic Reports, 168

AMIS subscribers, 114

AMIS-a, 257

networking, 32, 297

- Internet subscribers, 306
- IVC, 306
- location objects, 305
- message delivery, 304
- port usage and schedules, 301–302
- restriction tables, 303

setup, 298–301

UAmis mailbox, 304

subscribers, 273

Anonymous authentication, 72

ASR (automatic speech recognition), 184

ASR servers, 187

audio management tools, 332

quality, 332

Set Record Format utility, 332

Set WAV Format tool, 333

WaveGain utility, 334, 335

Audio Messaging Interchange Specification (AMIS), 156

Audio Text Manager, 323

audiotext application, 17

authentication

advantages/disadvantages, 72

Authentication Settings page, 88–90

automatic attendant, 16

automatic speech recognition (ASR), 184

B

backups, 157, 321

Audio Text Manager, 323

Bulk Edit utility, 324

Cisco qualified software packages, 322

Disaster Recover Backup tool, 325–327

Failover Monitor, 327–328

Global Subscriber Manager (GSM), 330–331

Licensing utility, 330

Migrate Subscriber Data Tool, 328–329

BHCA (busy hour call attempts), 184

blind addressing, 275, 292

Bridge networking, 33, 257

Cisco CallManager, 309

dual integration, 308

Internet subscribers, 315–316

location objects, 314

overview, 307

- setup, 310–312
- synchronization, 313
- UOmni mailbox, 312–313

Bridge subscribers, 114, 273

Bridge Traffic Analyzer tool, 342–343

bridgehead servers, 266

Bulk Edit utility, 324

Bulk Import tool, 295

busy hour call attempts (BHCA), 184

C

call flow

- Cisco PA, 61
- Cisco PA outside call flow, 8–10
- Cisco PA subscriber call flow, 10
- outside caller, 5–6
- subscriber, 7

call forward to personal greeting feature, 236

Call Handler Traffic Reports, 167

call handlers, 121

- defining, 122–123
 - customizing default, 124
 - directory call handlers, 125
 - interview handlers, 126–127
- planning use, 140
- user-defined, 127
 - customizing settings, 128–130, 133–138

Call History logs, 351–352

call routing rules, 142–145

call transfer settings, 133

Call Viewer, 346

CCM (Cisco CallManager), 14, 46, 62

- codecs, 176
- integrating, 91
 - with Cisco Unity, 238
 - with PA, 239

circular logging, 322

Cisco Media Convergence Server (MCS), 178

Cisco Messaging systems, messaging ports, 248–250

Cisco PA, 183

- assistant administration Rule-Sets page, 61
- call flow, 61
 - caller call flow, 8–10
 - subscriber call flow, 10
- Call History logs, 351–352
- client software, 216
- Follow Me, 34
- hardware requirements, 184
- installing, 211, 226
- integration, 14
- IP Phone Productivity Services, 41
- monitoring, 350
- optional features, 40
- PA-driven voice mail, 63
- performance capacity, 186
- rules-based routing, 37–38
- software requirements, 212
- speech recognition, 62
- standard features, 34
- troubleshooting, 349–350
- upgrading from 1.3 to 1.4, 231
- web-based system administration, 36
- web-based user administration, 35–36

Cisco PCA, 20, 58

- Cisco Unity Inbox, 20
- CUA, 21–22

Cisco Personal Assistant Design Guide, 186

Cisco Personal Communications Assistant (CPCA), 175, 213, 286

Cisco Security Agent for Cisco Unity v1.1, 209

Cisco Unity Administration Active Server Pages (ASP), 196

Cisco Unity Administrator reports, 160

Cisco Unity Assistant (CUA), 59

Cisco Unity Bridge server, 187

- Cisco Unity Bridges
 - Cisco CallManager, 309
 - dual integration, 308
 - Internet subscribers, 315–316
 - location objects, 314
 - network setup, 310–312
 - network synchronization, 313
 - overview, 307
 - UOmni mailbox, 312–313
- Cisco Unity Data Link Explorer (CUDLE), 335
- Cisco Unity Diagnostic Tool, 339–340
- Cisco Unity failover, configuring, 180
- Cisco Unity Greeting Administrator (CUGA), 129
- Cisco Unity Inbox (Cisco PCA), 20, 58
- Cisco Unity Installation Guide*, 225
- Cisco Unity Licensing utility, 330
- Cisco Unity servers, 175
 - AMIS-a networking, 297
 - ConfigMgr, 304
 - hardware
 - considerations, 183
 - optional, 190–191
 - networking, 256
 - AMIS-a, 297–306
 - communication methods, 257
 - digital networking, 257–258
 - IVC for Exchange, 259
 - message transfer and directory replication, 260–261
 - SMTP, 282–286
 - VPIM, 287–295
 - performance capacity, 185–186
 - Platform Overlay 1, 180
 - Platform Overlay 2, 181
 - Platform Overlay 3, 181
 - Platform Overlay 4, 182
 - Platform Overlay 5, 182
 - platform overlays, 175–178
 - storage configurations, 179
 - subscribers
 - addressing, 275
 - selecting, 274
- Cisco Unity Service Pack CD-ROM, 208
- Cisco Unity System Administration Guide*, 19
- Cisco Unity System Administration web page, 19
- Cisco Unity System Administrator
 - CoS configuration, 51
 - Media Master, 75
 - Navigation bar, 69
 - onscreen help, 74
 - overview, 67
 - page layout, 68
 - protecting the system administrator account, 71–72
 - subscriber conversion options, 52–55
 - title strip, 71
- Cisco Unity systems, 268
 - AD forests, 267
 - adding Cisco Unity subscribers, 112–114
 - adding subscribers, 115
 - administrator accounts, 74
 - audio management tools, 332
 - Set Record Format utility, 332
 - Set WAV Format tool, 333
 - WaveGain utility, 334–335
 - audiotext, 17
 - automated attendant, 16
 - backups, 321
 - Audio Text Manager, 323
 - Bulk Edit utility, 324
 - Cisco qualified software packages, 322
 - Disaster Recovery Backup tool, 325–327
 - Failover Monitor, 327–328
 - Global Subscriber Manager (GSM), 330–331

- Licensing utility, 330
- Migrate Subscriber Data Tool, 328–329
- call flow
 - Cisco PA outsider caller, 8–10
 - Cisco PA subscriber, 10
 - outside caller, 5–6
 - subscriber, 7
- call handlers, 121
 - customizing default, 124
 - defining, 122–123
 - defining call routing rules, 142–145
 - directory call handlers, 125
 - planning use, 140
 - speciality, 126–127
- Cisco PA
 - client software, 216
 - installing, 211
 - software requirements, 212
 - speech recognition, 62
- Cisco PCA, 20
 - Cisco Unity Inbox, 20
 - CUA, 21–22
- communications system integration, 236
 - attributes, 238
 - CCM, 238
 - DTMF, 242
 - dual phone systems, 246
 - IP, 241
 - PA and CCM, 239
 - PBXLink, 243
 - SIP, 244–245
 - SMDI, 243
 - types of, 240
- communications system reporting, 159
 - Subscriber Reports, 160–164
 - using tools, 159
- configuring, 76
 - changing directory handler, 93
 - changing opening greeting, 92
 - Configuration Settings page, 79–81
 - creating task lists, 77–78
 - Phone Languages page, 84–90
 - Recordings page, 82–83
- CUGA, 24
 - FlexLM, 24
 - Live Reply, 25
- CUSPA, 26
- default Cisco Unity accounts, 111
- deleting subscribers, 116
- diagnostic tools
 - Cisco Unity Data Link Explorer, 335
 - Cisco Unity Diagnostic Tool, 339–340
 - dbWalker, 335–336
 - EMS, 338
 - SysCheck, 340
- digital networking, implementing, 275–279
- DUCS, 57, 202
 - client software, 214–215
 - installing, 202, 210
 - software components, 209–210
- EMEA voice board support, 28
- Exchange architecture, 195–197
 - client software, 213
 - software requirements, 205–207
 - telephone systems, 197–201
 - Unity Service Pack CD-ROM, 208–209
- features, 15
- Flex Stack, 25
- Global subscriber settings, 96
 - account policies, 98
 - CoS, 98–100
 - CoS settings and subscriber interactions, 107
 - distribution lists, 101
 - subscriber templates, 102–107
- installing unified communications software, 217–226
- integration, 11
 - attributes, 12
 - telephone systems, 13–14

- maintaining
 - additional resources, 158
 - servers, 154–157
- managing calls, 46
- monitoring
 - PA, 169
 - performance counters, 168
- MTTR, 45
- multiple directory handlers, 27
- networking
 - communication methods, 257
 - defining, 255–256
 - digital networking, 257–258
 - IVC for Exchange, 259
- optional features, 29
 - integrated faxing, 30
 - localized versions, 30
 - networking features, 32
 - unified messaging, 29
- PA architecture, 203–204
- real-time monitoring tools, 149–150
 - Status Monitor, 151–153
 - System Status page, 152
- reporting tools, 342
 - Bridge Traffic Analyzer tool, 342–343
 - GUSI, 345
 - Port Usage Analyzer tool, 343–344
- RSA security, 23
- subscriber accounts vs. subscriber templates
 - alternate extensions, 109
 - message notifications, 110
 - private lists, 108
- subscribers, 273
- support, 26
- supported platforms, 183
- switch integration tools, 346
 - Call Viewer, 346
 - Integration Monitor utility, 348
 - Switch Configuration utility, 347
- System Reports
 - Administrative Access Activity Reports, 165
 - AMIS Outbound and Inbound Traffic Reports, 168
 - Call Handler Traffic Reports, 167
 - Event Log Reports, 166
 - Unresolved References Reports, 167
- TUI, 46–47
 - defining subscribers, 48–49
 - sending messages, 50
 - subscriber conversation options, 52–55
- unified communications software, 204
- upgrading unified communications software, 227–228
 - Cisco PA 1.3 to Cisco PA 1.4, 231
 - Exchange to Domino, 230
 - locating version number, 228
- user-defined call handlers, 127–138
- voice cards, 187–189
- voice mail, 16
- Cisco Unity Telephony Integration Manager (UTIM), 91, 198
- Cisco Unity Tools Depot, 158
 - audio management tools, 332
 - Set Record Format utility, 332
 - Set WAV Format tool, 333
 - WaveGain Utility, 334–335
 - reporting tools, 342
- class of service (CoS), 20
- client software
 - Cisco PA, 216
 - DUCS, 214–215
 - Exchange, 213
- comma-separated values (CSV), 160
- communications architectures
 - Cisco PA
 - client software, 216
 - installing, 211
 - software requirements, 212

- DUCS, 202
 - client software, 214–215
 - components, 209–210
 - installing, 202, 210
- Exchange architecture, 195–197
 - client software, 213
 - software requirements, 205–206
 - supported software, 207
 - telephone systems, 197–201
 - Unity Service Pack CD-ROM, 208–209
- PA architecture, 203–204
- communications systems
 - integration, 11, 235
 - attributes, 238
 - Cisco Unity and CCM, 238
 - DTMF, 242
 - dual phone systems, 246
 - IP, 241
 - PA and CCM, 239
 - PBXLink, 243
 - SIP, 244–245
 - SMDI, 243
 - telephone systems, 247
 - types of, 240
 - messaging ports in Cisco Messaging system, 248–250
- ConfigMgr tool, 304
- Configuration Settings page, 79–81
- configuring
 - Cisco Unity failover, 180
 - Cisco Unity systems, 76
 - changing directory handler, 93
 - changing opening greeting, 92
 - Configuration Settings page, 79–81
 - creating task lists, 77–78
 - Phone Languages page, 84–90
 - Recordings page, 82–83
 - message ports, 250
- conversations, exiting, 53
- conversion options (subscribers), 52–55

- CoS (class of service), 20, 98–100
- CPCA (Cisco Personal Communications Assistant), 175, 213, 286
- creating
 - default Cisco Unity accounts, 111
 - subscriber templates, 102–103
 - call transfer options, 105
 - caller input, 107
 - passwords, 105
 - Profile page, 104
- CSV (comma-separated values), 160
- CUA (Cisco Unity Assistant), 21–22, 59
- CUDLE (Cisco Unity Data Link Explorer), 335
- CUGA (Cisco Unity Greeting Administrator), 24, 129
 - FlexLM, 24
 - Live Reply, 25
- CUICA (Cisco Unity Installation and Configuration Assistant), 26, 219–223
- CUPID (Cisco Unity Performance Information and Diagnostic), 150, 157
- CUSPA (Cisco Unity Server Preparation Assistant), 26, 217–218
- customizing
 - default call handlers, 124
 - VMO, 58

D

- dbWalker, 167, 335–336
- DCM (Dialogic Configuration Manager), 189
- default Cisco Unity accounts, 111
- defining
 - call handlers, 122–123
 - customizing default, 124
 - directory call handlers, 125
 - interview handlers, 126–127
 - call routing rules, 142–145
 - Cisco Unity subscribers, 48–49

- messaging port configuration, 248
 - primary location objects, 292
- deleting subscribers, 116
- delivery location objects, 290
- diagnostic tools
 - Cisco Unity Data Link Explorer, 335
 - Cisco Unity Diagnostic Tool, 339–340
 - dbWalker, 335–336
 - EMS, 338
 - SysCheck, 340
- Dial IDs, 277
- Dialing Domain IDs, 276
- dialing domains, 279
- Dialogic Configuration Manager (DCM), 189
- Dialout MWI setting, 250
- DID (Direct Inward Dialing), 6
- digital networking, 28, 257
 - Cisco Unity 4.0, 271
 - implementing, 275
 - dialing domains, 279
 - location objects, 275–276
 - prerequisites, 277
 - search options, 278
 - setup, 278
- direct calls, 144
- Direct Inward Dialing (DID), 6
- directory call handlers, 93, 125
- directory replication, 259–261
 - AD, 267
 - AD forests, 269–270
 - intersite, 263–264
 - intranouting groups, 264–265
 - two Unity systems in an AD forest, 269
- DiRT, 326–327
- Disaster Recovery Backup tool, 325–327
- Disk Drives page, 152
- distribution lists, 101, 107
- Distribution Lists Reports, 163
- DNS (Domain Name System), 281

- Domino Unified Communication Services. *See* DUCS
- Domino, 214. *See also* DUCS
- DTMF
 - integration, 242
- DTMF tones
 - (dual-tone multifrequency), 188
- dual phone systems
 - integration, 246
- DUCS (Domino Unified Communications Services), 57, 202, 209–210
 - client software, 214–215
 - installing, 202, 210
 - upgrading to, from Exchange, 230
- DVD installation, 26
- Dynamic Configuration Tool, 183

E

- e-mail
 - Lotus Notes, 57
 - VMO, customizing, 58
- EMEA voice board support, 28
- EMS (Event Monitoring Service), 338
- Event Log Reports, 166
- Exchange
 - circular logging, 322
 - Disaster Recovery Backup tool, 327
 - upgrading to Domino, 230
- Exchange 2000
 - contacts, 272
 - intranouting group message transfer and directory replication, 265
 - IVC, 283
 - routing group message passing, 266
- Exchange architecture, 195–197
 - client software, 213
 - software requirements, 205–206
 - supported software, 207

- telephone systems, 197–201
- Unity Service Pack CD-ROM, 208–209
- Exchange networking, 258
- exiting conversations, 53
- Extension Addresses Utility, 285

F

- Failed Login Reports, 163
- failover, configuring, 180
- Failover Monitor, 327–328
- faxing capabilities, 30
- Field Help icon, 74
- Flex Stack, 25
- FlexLM, 24, 330
- Follow Me feature, 34
- forwarded calls, 145
- FQDN (fully qualified domain name), 281

G

- G.711, 176
- G.729, 176
- GAL (global address list), 113, 263
- Gather Unity System Information utility (GUSI), 345
- Global Catalog Monitor, 270
- Global Subscriber Manager (GSM), 330–331
- Global subscriber settings, 96
 - account policies, 98
 - CoS, 98–100
 - CoS settings and subscriber interactions, 107
 - distribution lists, 101
 - subscriber templates, 102–107
- greetings
 - changing, 92
 - subscriber templates, 106
- GSM (Global Subscriber Manager), 330–331

- GUI Languages page, 85
- GUSI (Gather Unity System Information utility), 345

H

- hardware, 195–201
 - Cisco PA, 183–184
 - optional (Cisco Unity servers), 190–191
 - PA architecture, 203
 - voice cards, 188–189
- hardware requirements, 183
- help functions (Cisco Unity System Administrator), 74

I

- IBM Lotus Domino, 257–258
- icons (Help functions), 74
- IIS (Microsoft Internet Information Server), 156
- implementing digital networking, 275
 - dialing domains, 279
 - location objects, 275–276
 - prerequisites, 277
 - search option, 278
 - setup, 278
- installing
 - Cisco PA, 211
 - DUCS, 202
 - DVDs, 26
 - IVC, 283
 - Bridge networking, 311
 - VPIM networking, 290
 - Unified communications software
 - Cisco PA, 226
 - CUICA, 219
 - CUSPA, 217–218

- integrating with telephony systems, 224
- License File Wizard, 223
- Message Store Configuration Wizard, 224
- Permissions Wizard, 220–221
- Service Configuration Wizard, 223
- Unity System setup, 217
- voice card hardware, 188–189

Integrated Windows authentication, 72

integrating

- Cisco CallManager, 91
- Cisco Unity systems, 11
 - attributes, 12
 - telephone systems, 13–14
- communications systems, 235
 - attributes, 238
 - Cisco Unity and CCM, 238
 - DTMF, 242
 - dual phone systems, 246
 - IP, 241
 - PA and CCM, 239
 - PBXLink, 243
 - SIP, 244, 245
 - SMDI, 243
 - telephone systems, 247
 - types of integration, 240
- faxing, 30

Integration Monitor utility, 348

Internet Explorer, 73

Internet subscribers, 272

- adding in SMTP networking, 284
- AMIS, 306
- Cisco Unity Bridges, 315–316
- connecting offices, 272
- options, 286
- VPIM networking, 295

Internet Voice Connector (IVC), 258

intersite message transfer and directory replication, 263–264

interview handlers, 126–127

intrarouting group message transfer and directory replication, 264–265

intrasite messaging in Exchange 5.5, 261–262

IVC (Internet Voice Connector), 258

- AMIS, 306
- Exchange 2000, 283
- installing
 - Bridge networking, 311
 - VPIM networking, 290
- used along with SMTP, 281
- VPIM networking, 294

L

LDAP (Lightweight Directory Access Protocol), 61

levels (platform overlays), 177–178

License File Wizard, 223

License Viewer, 330

Live Reply, 25

location delivery objects, creating, 283

location objects, 275, 276

- AMIS, 305
- Cisco Unity Bridges, 314
- search options, 278
- VPIM networking, 292–293

Lotus Notes Mail, 57

M

macro traces, 340

MailView features (Cisco PA), 213

maintaining

- Cisco Unity servers, 154–156
 - additional resources, 158
 - message verification, 157

MAPI (Messaging Application Programming Interface), 200
MCS (Cisco Media Convergence Server), 178
mean time to repair (MTTR), 45
Media Master control bar, 75
Message Latency report, 343
message ports, configuring, 250
Message Store Configuration Wizard, 224
message transfer, 259–261
 AD forests, 270
 intersite, 263–264
 intranet routing groups, 264–265
 intrasite messaging in Exchange 5.5, 261–262
Message Transfer Agent (MTA), 261
message waiting indicators (MWIs), 7, 107, 237
messages
 AMIS, 304
 sending, 50
 sorting, 55
 subscriber templates, 107
 time stamps, 53
 VMO, 55–56
 VPIM, 287
messaging ports, defining configuration, 248
micro traces, 340
Microsoft Windows 2000 Active Directory Users and Computers console, 167
Microsoft Windows 2000 Server, 195
Microsoft Windows Server 2003 AD, 196
Migrate Subscriber Data Tool, 328–329
monitoring
 Cisco PA, 349–350
 PA, 169
 performance counters, 168
 real-time monitoring tools, 149–150
 Status Monitor, 151–153
 System Status page, 152
MTA (Message Transfer Agent), 261
MTTR (mean time to repair), 45

multiple directory handlers, 27
MWIs (message waiting indicators), 7, 51, 107, 237

N

name dialing, 34
name synchronization, 34
NDR (nondelivery report), 295
Netscape, 73
network fault tolerance (NFT), 183
networking, 255–256
 AMIS-a, 297, 300
 Internet subscribers, 306
 IVC, 306
 location objects, 305
 message delivery, 304
 port usage and schedules, 301–302
 setup, 298, 301
 UAmis mailbox, 304
 Bridge networking, 307–308
 Cisco CallManager, 309
 Internet subscribers, 315–316
 location objects, 314
 setup, 310–312
 synchronization, 313
 UOmni mailbox, 313
 communication methods, 257
 digital networking, 257–258
 IVC for Exchange, 259
 message transfer and directory replication, 260–261
 SMTP, 280–281
 creating location delivery objects, 283
 Internet subscribers, 284–286
 setup, 282
 subscribers (Internet), 272

VPIM, 287

- addressing, 291
- creating delivery location objects, 290
- installing IVC, 290
- Internet subscribers, 295
- IVC, 294
- licensing, 288
- location objects, 292–293
- setup, 289–290

networks, digital networking, 28

NFT (network fault tolerance), 183

NICs (AFT/NFT), 183

nondelivery report (NDR), 295

O

one-key dialing, 18

- routing callers, 140

Online Documentation Help icon, 74

optional features (Cisco Unity systems), 29

- integrated faxing, 30
- localized versions, 30
- networking features, 32
- unified messaging, 29

OutCall Billing Reports, 164

outside caller call flow, 5–6

P

PA (Personal Assistant)

- integrating with CCM, 239
- monitoring, 169

PA architecture, 203–204

PAK (product authorization key), 223

passwords (subscriber templates), 105

PBX (private branch exchange), 12

PBXLink, integration, 243

PCM (pulse code modulation), 176

performance (Cisco PA), 350

performance capacity, 185–186

performance counters, monitoring, 168

Permissions Wizard, 220–221

Personal Assistant. *See* PA

Phone Languages page, 84–85

- authentication settings, 88–90
- licensing, 86

planning call handler use, 140

Platform Overlay 1, 180

Platform Overlay 2, 181

Platform Overlay 3, 181

Platform Overlay 4, 182

Platform Overlay 5, 182

platform overlays, 175–178

Port Usage Analyzer tool, 343–344

Port Usage Reports, 166

Ports page, 152

private branch exchange (PBX), 12

product authorization key (PAK), 223

Profile page (subscriber templates), 104

PSTN (Public Switched Telephone Network), 61

pulse code modulation (PCM), 176

R

RAID, 178–179

real-time monitoring tools

- defining, 149–150
- Status Monitor, 151–153
- System Status page, 152

recordings, 82

Recordings page, 82–83

recovery, 157

reporting tools, 342

- Bridge Traffic Analyzer tool, 342–343
- GUSI, 345
- Port Usage Analyzer tool, 343–344

Reports page, 152

restriction tables (AMIS-a), 303
routing group message passing, 266
routing, rules-based, 37–38
RSA security, enhanced phone security, 23
rules-based routing, 37–38

S

SA (System Administrator), 73
SCCP (Skinny Client Control Protocol), 241
schedules
 AMIS transmissions, 301
 AMIS-a, 302
security
 protecting system administrator account,
 71–72
 RSA security, 23
selecting
 subscriber addressing, 275
 subscribers, 274
servers
 maintaining (Cisco Unity systems), 154–158
 networking (SMTP), 283
Service Configuration Wizard, 223
Session Initiation Protocol (SIP), 176
Set Record Format utility, 332
Set WAV Format tool, 333
setting account policies, 98
setup, 300
SIP (Session Initiation Protocol), 176
 integration, 244–245
 support, 27
Skinny Client Control Protocol (SCCP), 241
SMDI, integration, 243
SMTP, 257
 networking, 280–281
 creating location delivery objects, 283
 Internet subscribers, 284–286
 setup, 282

SMTP Transport Event Sink, 295
software
 Cisco PA
 client software, 216
 installing, 211
 software requirements, 212
 DUCS
 client software, 214–215
 components, 209–210
 installing, 210
 Exchange architecture
 client software, 213
 optional components, 206
 requirements, 205
 supported software with Cisco Unity,
 207
 Unity Service Pack CD-ROM, 208–209
 unified communications, 204
speciality call handlers
 directory call handlers, 125
 interview handlers, 126–127
Status Monitor, 151–153
storage (Cisco Unity servers), 179
Storage Usage Reports, 164
subscriber accounts vs. subscriber templates
 alternate extensions, 109
 message notifications, 110
 private lists, 108
subscriber call flow, 7
Subscriber Message Store Status report, 158
Subscriber Reports, 160
 OutCall Billing Reports, 164
 Storage Usage Reports, 164
 Subscriber Message Activity Reports, 162
subscriber templates, 102–105
 caller input, 107
 conversion options, 105
 distribution lists, 107
 greetings, 106
 message notification options, 107

- setting messages, 107
- vs. subscriber accounts
 - alternative extensions, 109
 - message notifications, 110
 - private lists, 108
- subscribers
 - adding, 115
 - adding Cisco Unity subscribers, 112–114
 - AMIS-a, 273
 - Bridge servers, 273
 - Cisco PCA, 58
 - conversion options, 52–55
 - deleting, 116
 - exiting conversations, 53
 - Internet
 - adding in SMTP networking, 284
 - AMIS-a, 306
 - Cisco Unity Bridges, 315–316
 - connecting offices, 272
 - options, 286
 - VPIM networking, 295
 - listening to voice mail, 201
 - selecting, 274–275
 - VPIM, 273
- Switch Configuration utility, 347
- switch integration tools, 346
 - Call Viewer, 346
 - Integration Monitor utility, 348
 - Switch Configuration utility, 347
- SysCheck, 340
- system administration, web-based, 36
- System Configuration Reports, 166
- system recovery, 157
- System Reports
 - Administrative Access Activity Reports, 165
 - AMIS Outbound and Inbound Traffic Reports, 168
 - Call Handler Traffic Reports, 167

- Event Log Reports, 166
- Unresolved References Reports, 167
- System Schedules page, 85
- System Status page, 152

T

- TAC (Technical Assistance Center), 78, 156
- TAPI Service Provider (TSP), 198
- task lists, creating, 77–78
- Technical Assistance Center (TAC), 78
- telephone systems
 - Cisco Unity for Exchange, 201
 - Cisco Unity with Exchange, 197–200
 - enhanced phone security, 23
 - integration, 247
 - integration with Cisco unity systems, 13–14
- Telephone User Interface (TUI), 24, 286
- telephony systems
 - integrating with Unity, 224
 - integrating with Unity systems, 224
 - toll fraud, 351
- text-to-speech (TTS) e-mail, 53
- time stamps, 53
- title strip (Cisco Unity System Administrator), 71
- toll fraud, 351
- traces (Cisco Unity Diagnostic Tool), 340
- Transfer Call Billing Reports, 164
- TRAP (Telephony Record and Playback)
 - Connection, 249
- troubleshooting
 - backups. *See* backups, 321
 - Cisco PA, 349–350
 - Cisco Unity Diagnostic Tool, 339–340
 - CUDLE, 335
 - dbWalker, 335–336
 - EMS, 338
 - MTTR, 45

- SysCheck, 340
- telephone toll fraud, 351
- TSP (TAPI Service Provider), 198, 241
- TTS (text-to-speech) email, 53
- TTS (text-to-speech) engines, 29
- TUI (Telephone User Interface), 24, 46–47, 67, 286
 - defining subscribers, 48–49
 - sending messages, 50
 - subscribers
 - conversion options, 52–55

U

- UAmis mailbox, 304
- UMR (Unity Message Repository), 197
- Unaddressed Messages distribution list, 155
- Unified communications software, 204
 - Exchange, 205–206
 - installing
 - Cisco PA, 226
 - CUICA, 219
 - CUSPA, 217–218
 - integrating with telephony systems, 224
 - License File Wizard, 223
 - Message Store Configuration Wizard, 224
 - Permissions Wizard, 220–221
 - Service Configuration Wizard, 223
 - Unity System setup, 217
 - upgrading, 227–228
 - Exchange to Domino, 230
 - from Cisco PA 1.3 to Cisco PA 1.4, 231
 - locating version number, 228
- unified messaging, 29
- Unity 1 Directory Change Writer, 269

- Unity Message Repository (UMR), 197
- Unresolved References Reports, 167
- UOmni mailbox, 312–313
- upgrading
 - Unified communications software, 227–228
 - Cisco PA 1.3 to Cisco PA 1.4, 231
 - Exchange to Domino, 230
 - locating version number, 228
- user-defined call handlers, 127
 - customizing settings, 128
 - call transfer settings, 133
 - caller input settings, 137–138
 - greeting settings, 133–135
 - message settings, 138
 - profile settings, 129–130
- UTIM, 198, 224
- UTIM (Cisco Unity Telephony Integration Manager), 91, 198, 241

V

- VERITAS backup utilities, 322
- versions (Cisco Unity systems), 228
- VM (voice messaging), 178
- VMO (ViewMail for Microsoft Outlook), 45, 55, 213
 - customizing, 58
 - Media Master Control, 56
- voice cards, 187
 - Cisco Unity Bridge servers, 187
 - installing hardware, 188–189
- voice messaging (VM), 178
- voicemail, 16
 - Cisco PA-driven voice mail, 63
 - Cisco Unity with Exchange, 199
 - PA architecture, 204
 - ports, 248
 - VPIM, 273

VPIM (Voice Profile for Internet Messaging),
208, 257

- networking, 287
 - addressing, 291
 - creating delivery location objects, 290
 - installing IVC, 290
 - Internet subscribers, 295
 - IVC, 294
 - licensing, 288
 - location objects, 292, 293
 - setup, 289, 290
- subscribers, 114, 273

W

WaveGain utility, 334–335

Web sites

- Cisco Unity System Administration, 19
- Failover Monitor, 328
- Veritas Software Corporation, 322

web-based system administration (Cisco PA), 36

web-based user administration (Cisco PA), 35–
36