



Index

- A
- accept lists, spam, 85
 - access
 - control, 36
 - databases
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - management, 272
 - physical security, 245
 - programmatic security, 246-247
 - transaction auditing, 247-248
 - Web sites, 148-149
 - accounts, e-mail, 89
 - ACLU (American Civil Liberties Union), 101
 - addresses
 - IP
 - GUIDs, 9
 - logging, 148-149
 - privacy, 19
 - .adm files (administrative template), creating, 74-76
 - administration
 - .adm files, 74-76
 - Authorization Manager, 279, 285-287
 - automatic updates, 64-65
 - centralized privacy settings, 32-33
 - cookies, 24, 159-165
 - CPG, 120-123
 - CPO, 119
 - databases, 272
 - DRM, 289
 - applications, 297-298
 - defending privacy, 290
 - development, 298-299
 - DMCA, 290
 - languages, 292-296
 - methods of copyright, 291
 - GPO, 76
 - Group Policy, 55-63
 - Help and Support Center, 56
 - IRM, 37
 - Linux-based configuration, 33
 - Microsoft Office 2003, 69-73
 - My Recent Documents, 66
 - papers (Microsoft Windows), 54
 - policies, 12
 - privacy hierarchies, 124
 - assigning privacy leads, 126
 - creating privacy councils, 124
 - developing privacy standards, 126-127

- privacy response centers
 - manual processes, 139-141
 - monthly reporting, 142
 - need for, 132
 - organization of, 133-135
 - resources, 142-143
 - workflow, 135-137
- privacy reviews, 204, 206
 - meetings, 207
 - scope, 208
 - team members, 206-207
 - templates, 208-211
- spam, 80
 - anti-spam applications, 85-91
 - bulk e-mail solutions, 94
 - controlling, 83-84
 - cost of, 80-81
 - e-mail solutions, 93
 - litigation, 82
 - server-side anti-spam applications, 91-92
 - WER, 57-63
 - WMP9, 67-69
- administrative template (.adm) files,
 - creating, 74-76
- advertisements
 - cookie managers, 24
 - popup blockers, 22-23
 - spyware, 23
- Alexa Toolbar, 43
- algorithms, 259. *See also* encryption
- American Civil Liberties Union (ACLU), 101
- analysis, 180
 - development, 187-188
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - documentation, 182-186
 - feature complete, 187
 - privacy response teams, 190
 - product release, 190
 - starting, 176-182
 - testing, 188
 - headers, 87
 - specifications, 192
 - data analysis, 194-195
 - dependency analysis, 202
 - disclosure plans, 200-202
 - entity description, 203
 - phone home disclosure, 202-203
 - security analysis, 197-198
 - usage analysis, 196-197
 - user access analysis, 199
 - user control analysis, 198
 - templates, 307
 - trend, 139-141
- anonymity, PATs/PETs, 18
- anonymizers, 19-21
- anonymous e-mail Web sites, 20
- anti-spam
 - applications, 83-92
 - policies, 84
 - tools, 22
- APPEL, 171-172
- applications
 - anti-spam, 83-92
 - context-level application
 - decomposition, 217
 - databases
 - configuring, 276-278
 - creating, 272
 - program files, 274-275
 - testing, 280-287
 - decomposition rollout, 221-222, 225
 - development, 176
 - exposure, 5, 7
 - Group Policy management, 55-56
 - level 0 application
 - decomposition, 218

- MFCs
 design, 228-230
 disclosure, 233-235
 encryption, 240-241
 files, 231-232
 installing, 231
 privacy settings, 236-238
 Microsoft Office 2003, 69-73
 onion routing, 21
 PATs, 36-37
 privacy
 settings, 29-33
 statements, 7-8
 rights management, 297-298
 spam, 84
 spyware, 23
 tracking, 9-10
 WER, 61-63
 asymmetric encryption, 260
 AT&T Privacy Bird, 166
 attachments, 91. *See also* e-mail; spam
 audio, WMP9, 67-69
 audits, transactions, 247-248
 authorization, 19
 automatic updates, 64-65
 Avant, 166
 AzMan (Authorization Manager),
 279, 285-287
- B**
 Backscatter x-ray devices, 110
 Bayesian filters, spam, 88
 beta release phase, 189. *See also*
 development
 block lists, 86, 91-92
 blocking RFID tags, 99
 boundaries, DFDs, 219
 branch offices, 134-135
 Brandeis, Louis D., 80
 building privacy-aware
 applications, 176
 bulk e-mail, 94
- C**
 CADP (correlated-noise additive data
 perturbation), 265
 calculations, perturbation, 266
 CAN-SPAM (Controlling the Assault
 of Non-Solicited Pornography and
 Marketing), 89
 CAPICOM (Crypto Application
 Programming Interface
 Component Object Model)
 library, 273, 279
 categorization
 data, 251
 databases, 272
 quantization, 254
 Cavoukian, Ann, 13
 centralized privacy setting
 management, 32-33
 certification, privacy-certification
 programs, 51
 CES (Contract Enabled Server), 295
 CFAA (Computer Fraud and Abuse
 Act), 41, 50
 challenge-response, spam, 86
 checklists, Web sites, 311-313
 Chief Privacy Officer (CPO), 119
 Children's Online Privacy Protection
 Act (COPPA), 49-50
 classification of data, 250-251
 clearing
 files, 35
 histories, 21
 client-side antispam solutions, 90-91
 client-side components, 303-304
 Clip Art tool, 6
 clothing, privacy-invasive devices
 under, 109-110
 code
 APPEL, 171-172
 complete phase, 189. *See also*
 development

- collection
 - control of data collection, 316
 - of personal information, 148-149
 - privacy policies, 117
- collusion, avoiding, 248
- column-count limitations, queries, 257
- columns
 - categorization, 272
 - security, 247
- commands, Help and Support (Start menu), 56
- compact policy (P3P), 158, 186
- compliance, planning, 178
- component teams, privacy hierarchies, 124-127
- components
 - client-side, 303-304
 - privacy-process flowcharts, 178-180
 - Web services, 304
- Computer Fraud and Abuse Act (CFAA), 41, 50
- computers
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - physical security, 245
 - programmatic security, 246-247
 - transaction auditing, 247-248
- concealing data (obfuscation), 252-253
- configuration
 - .adm files, 74-76
 - Authorization Manager, 279, 285-287
 - automatic updates, 65
 - databases, 272
 - executing, 276-278
 - program files, 274-275
 - testing, 280-287
 - GPO, 76
 - Group Policy, 55-56
 - Linux-based, 33
 - Microsoft Office 2003, 69-73
 - My Recent Documents, 66
 - privacy settings, 29-33
 - WER, 61-63
 - Windows Error reporting dialog box, 58
 - WMP9, 67-69
- connections
 - phone home disclosure, 202-203
 - security, 301
- ContentGuard, 298
- context-level application
 - decomposition, 217
- Contract Enabled Server (CES), 295
- control
 - access, 36
 - of data collection, 316
 - spam, 83-84
- Controlling the Assault of Non-Solicited Pornography and Marketing (CAN-SPAM) Act, 89
- cookies, 24, 148-149, 159
- COPPA (Children's Online Privacy Protection Act), 49-50
- copyrights, 289
 - applications, 297-298
 - defending privacy, 290
 - development, 298-299
 - DMCA, 290
 - languages, 292-296
 - methods, 291
- corporate policies, 12
- Corporate Privacy Group (CPG), 120-123
- correlated-noise additive data
 - perturbation (CADP), 265
- costs
 - right languages, 296
 - spam, 80-81

- councils, creating, 124
- CPG (Corporate Privacy Group), 120-123, 133-135
- CPO (Chief Privacy Officer), 119
- crowds, 21
- Crypto Application Programming Interface Component Object Model (CAPICOM) library, 273, 279
- customer service
 - privacy response centers
 - manual processes, 139-141
 - monthly reporting, 142
 - need for, 132
 - organization of, 133-135
 - resources, 142-143
 - workflow, 135-137
 - providing, 129-132
- customization. *See also* configuration
 - .adm files, 74-76
 - GPO, 76
 - Microsoft Office 2003, 69-71, 73
 - My Recent Documents, 66
- Customize Start Menu dialog box, 66
- D
- data analysis, 194-195, 307. *See also* analysis
- data classification/isolation, 250-251
- data minimization, 248-251
- data obfuscation, 252-253
- data perturbation, 262-265
- data quantization, 254
- data retention policies, 249
- databases
 - configuring, 276, 278
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - encryption, 258-262
 - hippocratic, 266-268
 - linking, 134-135
 - management, 272
 - physical security, 245
 - program files, 274-275
 - programmatic security, 246-247
 - queries, 256-257
 - suppression, 258
 - testing, 280-287
 - transaction auditing, 247-248
 - translucent, 252
- dataflow diagrams (DFDs), 213-217
 - context-level application
 - decomposition, 217
 - decomposition rollup, 221-222, 225
 - level 0 application
 - decomposition, 218
 - privacy boundaries, 219
 - privacy-aware applications, 228-230
- decomposition
 - context-level application
 - decomposition, 217
 - level 0 application
 - decomposition, 218
 - rollup, 221-222, 225
- defending privacy, 290
- defining, tracking, 9-10
- deleting
 - files, 25
 - hidden data, 73
- Deloitte and Touche, privacy training, 177
- demographics, 263
- departmental flow of privacy policies, 122
- dependency analysis, 202
- deployment
 - guides, 186, 191
 - P3P, 150-151
 - compact policy, 158
 - policy files, 153-157

- reference files, 151-153
- design. *See also* configuration
 - applications, 228-230
 - disclosure, 233-235
 - encryption, 240-241
 - files, 231-232
 - installing, 231
 - phase, 186-187. *See also* development
 - privacy settings, 236-238
- destinations, mix networks, 20
- development, 187-188
 - applications, 5
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - documentation, 182-186
 - DRM, 298-299
 - feature complete, 187
 - legislation, 41-43
 - CFAA, 50
 - COPPA, 49-50
 - EU directives on data protection, 45-46
 - GLBA, 50
 - HIPAA, 51
 - OECD, 44-45
 - PIPEDA, 46
 - privacy-certification programs, 51
 - regulations, 42
 - Safe Harbor Privacy Principles, 47-49
 - need for, 10-11
 - phases, 302
 - planning, 178
 - policies, 12
 - privacy response teams, 190
 - product release, 190
 - spam, 84
 - specifications, 192
 - data analysis, 194-195
 - dependency analysis, 202
 - disclosure plans, 200-202
 - entity description, 203
 - phone home disclosure, 202-203
 - security analysis, 197-198
 - usage analysis, 196-197
 - user access analysis, 199
 - user control analysis, 198
 - standards, 315-317
 - starting, 176-182
 - testing, 188
 - training programs, 177
 - trustworthiness, 11-12
- devices, 97
 - legal view of, 110-111
 - nTag smart ID badges, 107
 - RFID tags, 98-105
 - smart dust, 108-109
 - Spotme conferencing devices, 106-107
 - under clothing, 109-110
- DFDs (dataflow diagrams), 213-217
 - context-level application
 - decomposition, 217
 - decomposition rollup, 221-222, 225
 - level 0 application
 - decomposition, 218
 - privacy boundaries, 219
 - privacy-aware applications, 228-230
- diagrams (DFDs), 213-217
 - context-level application
 - decomposition, 217
 - decomposition rollup, 221-222, 225
 - level 0 application
 - decomposition, 218
 - privacy boundaries, 219
- dialog boxes
 - Automatic Updates, 64
 - Customize Start Menu, 66

- Logging Properties, 249
- popup blockers, 22-23
- Windows Error Reporting, 34, 57-58
- WMP9 Privacy, 67
- Digital Millennium Copyright Act (DMCA), 290
- Digital Property Rights Language (DPRL), 292
- digital rights management (DRM), 289
 - applications, 297-298
 - defending privacy, 290
 - development, 298-299
 - DMCA, 290
 - languages, 292-296
 - methods of copyright, 291
- disclosure
 - phone home disclosure, 202-203
 - planning, 180, 200-202
 - privacy
 - content, 309
 - documents (Microsoft Windows), 53-54
 - privacy-aware applications, 233-235
 - standards, 316
 - DMCA (Digital Millennium Copyright Act), 290
- DNS (Domain Name System), 87
- documentation
 - development, 187-188
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - feature complete, 187
 - phases, 182-186
 - privacy response teams, 190
 - product release, 190
 - testing, 188
- DFDs, 213-217
 - context-level application decomposition, 217
 - decomposition rollup, 221-222, 225
 - level 0 application decomposition, 218
 - privacy boundaries, 219
- Information Rights Management, 73
- Microsoft Office 2003, 69-73
- My Recent Documents, 66
- privacy
 - data, 36
 - disclosure (Microsoft Windows), 53-54
 - flowcharts, 178-180
 - issues, 139-141
 - reviews, 186
 - statements, 185. *See also* privacy statements
- Domain Name System (DNS), 87
- DoubleClick, privacy legislation, 42
- DPRL (Digital Property Rights Language), 292
- DRM (digital rights management), 289
 - applications, 297-298
 - defending privacy, 290
 - development, 298-299
 - DMCA, 290
 - languages, 292-296
 - methods of copyright, 291
- E
- E-mail Service Provider Coalition (ESPC), 94
- EFF (Electronic Frontier Foundation), 101
- Electronic Media Management System (EMMS), 297
- Electronic Privacy Information Center (EPIC), 101

- elements
 - compact policy (P3P), 158
 - P3P policy files, 155
- email
 - accounts, 89
 - anonymous Web sites, 20
 - bulk e-mail solutions, 94
 - spam, 93
 - tracking, 4-5
 - unsolicited, 9. *See also* spam
- EMMS (Electronic Media Management System), 297
- employees, avoiding collusion, 248
- encryption, 258-262, 273
 - JANUS routing, 21
 - mix networks, 20
 - PATs, 36-37
 - privacy-aware applications, 240-241
- end-user license agreement (EULA), 41
- enforcement of privacy policies
 - adherence to, 117
 - lack of, 116
- Entertainment Software Rating Board (ESRB), 51
- entity description, 203
- EPIC (Electronic Privacy Information Center), 101
- Ernst and Young, privacy training, 177
- errors
 - Group Policy, 61-63
 - WER, 57-61
- ESPC (E-mail Service Provider Coalition), 94
- ESRB (Entertainment Software Rating Board), 51
- EU (European Union) directives on data protection, 45-46
- EULA (end-user license agreement), 41
- Excel, data analysis templates, 307
- execution
 - Authorization Manager, 279, 285-287
 - databases, 276, 278
- exposure
 - applications, 5, 7
 - ISP, 4-5
- eXtensible Markup Language (XML), 185
- eXtensible Rights Markup Language (XrML), 292
- F
- Fair Information Practices, 316
- feature complete phase, 187. *See also* development
- features
 - privacy (PATs), 27
 - right languages, 296
- Federal Trade Commission (FTC), Fair Information Practices, 316
- files
 - .adm, 74-76
 - PATs, 35
 - policy (P3P), 153-157, 186
 - privacy-aware applications, 231-232
 - program, 274-275
 - reference (P3P), 151-153, 185
 - secure deletion, 25
 - SQM, 36
 - Web, 276-278
- filtering
 - client-side antispam solutions, 90-91
 - spam, 88
- flow of privacy policies to departments, 122. *See also* workflow
- flowcharts, privacy-process, 178-180
- foreign subsidiaries, 134-135
- forms, online, 141
- frequencies, RFID tags, 98-105

- FTC (Federal Trade Commission), Fair Information Practices, 316
 full-text privacy statements, 185. *See also* privacy statements
- G**
 GADP (general method for additive data perturbation), 266
 GLBA (Gramm-Leach-Bliley Act), 50, 266
 globalization, 183
 globally unique identifier (GUID), 9
 GPMC (Group Policy Management Console), 55, 231
 GPO (Group Policy object), 56, 76
 GPOE (Group Policy Object Editor), 231
 Group Policy
 management, 55-56
 objects, 56, 76
 WER, 61-63
 Group Policy Management Console (GPMC), 55, 231
 Group Policy Object Editor (GPOE), 231
 groups
 integration of privacy response centers, 133
 routing (crowds), 21
 GUID (globally unique identifier), 9
- H**
 hashing, 86, 260-261
 headers
 analysis, 87
 P3P, 153
 Help and Support Center, 56
 heuristics, spam, 87
 hiding data, 73, 252-253
 hierarchies (privacy), 124
 assigning privacy leads, 126
 creating privacy councils, 124
 developing privacy standards, 126-127
- HIPAA (Health Information Portability and Accountability Act)**, 51, 266
 hippocratic databases, 266-268
 histories
 clearing tools, 21
 My Recent Documents, 66
 honeypots, spam, 89
 HTTP (HyperText Transfer Protocol), 147
- I**
 IAPP (International Association of Privacy Professionals), 119
 IBM Tivoli Privacy Manager (TPM), 268
 identity
 anonymous e-mail Web sites, 20
 JANUS routing, 21
 images, spam, 87
 impact of privacy, risk mitigation, 302-304
 implementation
 privacy policies, 116-117
 validation, 188
 Information Rights Management (IRM), 37, 73, 298
 infrastructure
 adherence to, 117
 lack of, 116
 installation of privacy-aware applications, 231
 integration
 development, 187-188
 beta release, 189
 code complete, 189

- data analysis specifications, 194-195
- dependency analysis
 - specifications, 202
- deployment guides, 191
- design, 186-187
- disclosure plans, 200-202
- documentation, 182-186
- entity description, 203
- feature complete, 187
- phone home disclosure, 202-203
- privacy response teams, 190
- product release, 190
- security analysis specifications, 197-198
- specifications, 192
- starting, 176-182
- testing, 188
- usage analysis specifications, 196-197
- user access analysis
 - specifications, 199
- user control analysis
 - specifications, 198
- P3P, 7, 28-29, 234
 - AT&T Privacy Bird, 166
 - Avant, 166
 - compact policy, 158
 - Internet Explorer, 160-161
 - Mozilla, 162-163
 - Mozilla Firebird, 165
 - Netscape, 165
 - Opera, 162
 - policy files, 153-157
 - reference files, 151-153
- phases, 302
- privacy response centers, 133
- interfaces
 - cookie managers, 24
- P3P, 159
 - AT&T Privacy Bird, 166
 - Avant, 166
 - Internet Explorer, 160-161
 - Mozilla, 162-163
 - Mozilla Firebird, 165
 - Netscape, 165
 - Opera, 162
 - privacy settings, 29-33
 - Ximian, 33
- International Association of Privacy Professionals (IAPP), 119
- Internet
 - application vulnerabilities, 5, 7
 - connections, 202-203
 - logging, 4-5
 - PETs
 - anonymizers/pseudonymizers, 19-21
 - antispam tools, 22
 - cookie managers, 24
 - history clearing tools, 21
 - online privacy protection Web sites, 25
 - popup blockers, 22-23
 - secure file deletion, 25
 - spyware, 23
 - tracking, 9-10
- Internet Explorer
 - cookie managers, 24
 - P3P, 160-161
 - popup blockers, 22-23
- Internet service provider (ISP), 4
- inventories, development
 - planning, 178
- IP (Internet Protocol)
 - addresses, 148-149
 - GUIDs, 9
- IRM (Information Rights

- Management), 37, 73, 298
- ISO MPEG REL, 294
- isolation of data, 250-251
- ISP (Internet service provider), 4
- J-K
- JANUS routing, 21
- JRC (Joint Research Centre), 170
- Katz v. United States*, 110
- keys, encryption, 262
- keyword-searches, spam, 86
- L
- languages
 - APPEL, 171-172
 - rights management, 292-296
- Lawler, Barbara, 12
- leads, creating, 126
- legal liabilities, 41-43
 - CFAA, 50
 - COPPA, 49-50
 - EU directives on data protection, 45-46
 - GLBA, 50
 - HIPAA, 51
 - OECD, 44-45
 - PIPEDA, 46
 - privacy-certification programs, 51
 - regulations, 42
 - Safe Harbor Privacy Principles, 47-49
- legal view of privacy-invasive devices, 110-111
- legislation, 41, 43
 - CAN-SPAM, 89
 - CFAA, 50
 - COPPA, 49-50
 - EU directives on data protection, 45-46
 - GLBA, 50
 - HIPAA, 51
 - OECD, 44-45
 - PIPEDA, 46
 - privacy-certification programs, 51
 - regulations, 42
 - Safe Harbor Privacy Principles, 47-49
- length of encryption keys, 262
- level 0 application decomposition, 218
- liabilities, 41-43
 - CFAA, 50
 - COPPA, 49-50
 - EU directives on data protection, 45-46
 - GLBA, 50
 - HIPAA, 51
 - OECD, 44-45
 - PIPEDA, 46
 - privacy-certification programs, 51
 - regulations, 42
 - Safe Harbor Privacy Principles, 47-49
- libraries, CAPICOM, 273, 279
- lifecycles of data, 130
- limitations of queries, 256-257
- linking subsidiary databases, 134-135
- Linux-based configuration
 - management, 33
- litigation
 - CPG, 120-123
 - CPO, 119
 - privacy-invasive devices, 110-111
 - spam, 82
- localization, 183
- locations, privacy, 19
- logging, 4-5
- Logging Properties dialog box, 249
- lookups, reverse DNS, 87

M

management

- .adm files, 74-76
- Authorization Manager, 279, 285-287
- automatic updates, 64-65
- centralized privacy settings, 32-33
- cookies, 24, 159-165
- CPG, 120-123
- CPO, 119
- databases, 272
- DRM, 289
 - applications, 297-298
 - defending privacy, 290
 - development, 298-299
 - DMCA, 290
 - languages, 292-296
 - methods of copyright, 291
- GPO, 76
- Group Policy, 55-63
- Help and Support Center, 56
- IRM, 37
- Linux-based configuration, 33
- Microsoft Office 2003, 69-73
- My Recent Documents, 66
- papers (Microsoft Windows), 54
- policies, 12
- privacy hierarchies, 124
 - assigning privacy leads, 126
 - creating privacy councils, 124
 - developing privacy standards, 126-127
- privacy response centers
 - manual processes, 139-141
 - monthly reporting, 142
 - need for, 132
 - organization of, 133-135
 - resources, 142-143
 - workflow, 135-137

- privacy reviews, 204-206
 - meetings, 207
 - scope, 208
 - team members, 206-207
 - templates, 208-211
- spam, 80
 - anti-spam applications, 85-91
 - bulk e-mail solutions, 94
 - controlling, 83-84
 - cost of, 80-81
 - e-mail solutions, 93
 - litigation, 82
 - server-side anti-spam applications, 91-92
- WER, 57-63
- WMP9, 67-69
- manual processes, privacy response centers, 139-141
- MediaPro privacy training, 177
- meetings, privacy reviews, 207
- metadata settings, Microsoft Office 2003, 71
- MFC (Microsoft Foundation Class)
 - applications
 - design, 228-230
 - disclosure, 233-235
 - encryption, 240-241
 - files, 231-232
 - installing, 231
 - privacy settings, 236-238
- Microsoft Knowledge Base
 - Web site, 56
- Microsoft Office 2003, management, 69-73
- Microsoft privacy legislation, 43
- Microsoft Windows
 - automatic updates, 64-65
 - My Recent Documents, 66
 - privacy disclosure documents, 53-54
 - WMP9, 67-69

-
- Microsoft Windows Active Directory
 - domain, privacy settings, 32
 - Microsoft Word 2003, exposure, 6
 - minimization of data, 248-251
 - mitigation
 - CPG, 120-123
 - CPO, 119
 - privacy reviews
 - management, 204, 206
 - meetings, 207
 - scope, 208
 - starting, 204
 - team members, 206-207
 - templates, 208-211
 - risks, 302-304
 - mix networks, 20
 - monitoring databases
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - physical security, 245
 - programmatic security, 246-247
 - transaction auditing, 247-248
 - monthly reports, privacy response
 - centers, 142
 - Mozilla, 162-165
 - MPEG (Moving Picture Experts Group), 293
 - My Recent Documents, 66

 - N
 - Netscape
 - cookie managers, 24
 - P3P, 165
 - networks, mix, 20
 - nodes, destinations, 20
 - Nokia, 298
 - nTag smart ID badges, 107

 - O
 - obfuscation, data, 252-253
 - objects
 - creating, 76
 - GPO, 56
 - obtaining RFID tags, 105
 - ODRL (Open Digital Rights Language), 294-298
 - OeBF (Open eBook Forum), 294
 - OECD (Organization for Economic Co-operation and Development), 44-45
 - Office 2003, management, 69-73
 - OMA (Open Mobile Alliance), 295
 - onion routing, 21
 - online Help, 56
 - online privacy forms, 141
 - online privacy protection Web sites, 25
 - OnStar system, 97
 - Open Digital Rights Language (ODRL), 294-298
 - Open eBook Forum (OeBF), 294
 - Open Mobile Alliance (OMA), 295
 - OpenIPMP, 297
 - Opera
 - cookie managers, 24
 - P3P, 162
 - Organization for Economic Co-operation and Development (OECD), 44-45

 - P
 - P3P (Platform for Privacy Preferences Project), 7
 - APPEL, 171-172
 - compact policy, 158, 186
 - deploying, 150-151
 - integration, 28-29, 234
 - interfaces, 159

- AT&T Privacy Bird, 166
- Avant, 166
- Internet Explorer, 160-161
- Mozilla, 162-163
- Mozilla Firebird, 165
- Netscape, 165
- Opera, 162
- Policy Editor, 185
- policy files, 153-157, 186
- reference files, 151-153, 185
- tools, 167
 - JRC, 170
 - P3PEdit, 169-170
 - Policy Editor, 168
 - Validator, 169
- Passive Millimeter Wave (PMMW), 109
- Patriot Act, 266
- PATs (privacy aware technologies), 17
 - access control, 36
 - documentation of privacy-related data, 36
 - encryption, 36-37
 - features, 27
 - files, 35
 - goal of, 18
 - overview of, 25-27
 - P3P integration, 28-29
 - privacy settings, 29-33
 - privacy statements, 28
 - unsubscribing, 36
 - Windows Error Report, 33
- payment at risk, spam, 88
- permissions, legal liabilities, 41
- personal information
 - clearing, 35
 - collection of, 148-149
- Personal Information Protection and Electronic Documents (PIPEDA), 46
- personally identifiable information (PII), 302
- personnel, privacy response centers, 142-143
- perturbation, data, 262-263, 265
- PETs (privacy enhancing technologies), 17
 - anonymizers/pseudonymizers, 19, 21
 - antispam tools, 22
 - cookie managers, 24
 - goal of, 18
 - history clearing tools, 21
 - online privacy protection
 - Web sites, 25
 - overview of, 19
 - popup blockers, 22-23
 - secure file deletion, 25
 - spyware, 23
- phases
 - data analysis, 194-195
 - dependency analysis, 202
 - development, 187-188
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - documentation, 182-186
 - feature complete, 187
 - privacy response teams, 190
 - product release, 190
 - starting, 176-182
 - testing, 188
 - disclosure plans, 200-202
 - entity description, 203
 - integration, 302
 - phone home disclosure, 202-203
 - security analysis, 197-198

- usage analysis, 196-197
- user access analysis, 199
- user control analysis, 198
- philosophy of privacy standards, 315
- phishing, 82
- physical security of computers, 245
- PII (personally identifiable information), 302
- PIPEDA (Personal Information Protection and Electronic Documents), 46
- planning
 - compliance, 178
 - disclosure, 180, 200, 202
- Platform for Privacy Preferences Project (P3P)
 - APPEL, 171-172
 - compact policy, 158, 186
 - deploying, 150-151
 - integration, 28-29, 234
 - interfaces, 159
 - AT&T Privacy Bird, 166
 - Avant, 166
 - Internet Explorer, 160-161
 - Mozilla, 162-163
 - Mozilla Firebird, 165
 - Netscape, 165
 - Opera, 162
 - Policy Editor, 185
 - policy files, 153-157, 186
 - reference files, 151-153, 185
 - tools, 167
 - JRC, 170
 - P3PEdit, 169-170
 - Policy Editor, 168
 - Validator, 169
- PMW (Passive Millimeter Wave), 109
- policies
 - adherence to, 117
 - anti-spam, 84
 - compact (P3P), 158, 186
 - CPG, 120-123
 - CPO, 119
 - data retention, 249
 - files (P3P), 153-157, 186
 - Group Policy, 55-56
 - retention, 317
 - statements, 153-157
 - WER, 61-63
- popup blockers, 22-23
- privacy
 - need for, 10-11
 - value of, 13
- Privacy Council, The, 177
- privacy councils, creating, 124
- privacy disclosure document, 53-54
- privacy leads, 126
- privacy policies
 - adherence to, 117
 - CPG, 120-123
 - CPO, 119
 - lack of, 116
- privacy response centers
 - customer service, 129-132
 - manual processes, 139-141
 - monthly reporting, 142
 - need for, 132
 - organization of, 133-135
 - resources, 142-143
 - workflow, 135-137
- privacy response teams, 190. *See also* development
- privacy reviews, 186
 - management, 204-206
 - meetings, 207
 - scope, 208
 - team members, 206-207
 - templates, 208-211

- starting, 204
- templates, 305
- validation, 188
- privacy settings, 29-33, 236-238
- privacy specifications, 192
 - data analysis, 194-195
 - dependency analysis, 202
 - disclosure plans, 200-202
 - entity description, 203
 - phone home disclosure, 202-203
 - security analysis, 197-198
 - usage analysis, 196-197
 - user access analysis, 199
 - user control analysis, 198
- privacy standards, creating, 126-127
- privacy statements, 7-8, 185, 309
 - Microsoft Windows, 54
 - PATs, 28
- privacy-aware applications
 - design, 228-230
 - disclosure, 233-235
 - encryption, 240-241
 - files, 231-232
 - installing, 231
 - privacy settings, 236-238
- privacy-aware technologies. *See* PATs
- privacy-certification programs, 51
- privacy-enhancing technologies.
 - See* PETS
- privacy-invasive devices, 97
 - legal view of, 110-111
 - nTag smart ID badges, 107
 - RFID tags, 98-105
 - smart dust, 108-109
 - Spotme conferencing devices, 106-107
 - under clothing, 109-110
- privacy-process flowcharts, 178-180
- product development
 - beta release, 189
 - code complete, 189
 - design, 186-187
 - feature complete, 187
 - phases, 181-186
 - privacy response teams, 190
 - product release, 190
 - testing, 188
- product groups, integration of privacy
 - response centers, 133
- product plans, assigning privacy
 - leads, 126
- product release phase, 190. *See also*
 - development
- program files, databases, 274-275
- programmatic security, 246-247
- programs. *See* applications
- protection
 - databases
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - physical security, 245
 - programmatic security, 246-247
 - transaction auditing, 247-248
 - translucent databases, 252
- protocols
 - HTTP, 147
 - TCP/IP, 147
- PSample program, 228-230
- pseudonymity, 18
- pseudonymizers, 19-21
- Q-R
- quantization, data, 254
- query-type limitations, 258
- Quicken 2003, 6
- Radar-Based Through-the-Wall
 - Surveillance System, 106

- radio frequency identification (RFID) tags, 98-105
 - RealNetworks, privacy legislation, 42
 - RealOne Player, exposure, 6
 - recording, privacy issues, 139-141
 - Red Carpet Enterprise, 33
 - reduction, data, 249
 - reference files (P3P), 151-153, 185
 - regulations (privacy legislation), 42
 - relationships, creating, 11-12
 - releases, deployment guides, 191. *See also* development
 - Remove Hidden Data Tool (Microsoft Office), 73
 - reports
 - Group Policy Management console, 77
 - privacy response centers, 142
 - WER, 57-63
 - requests, crowds, 21
 - resources, 142-143, 319-326
 - restrictions. *See also* security
 - database access, 247
 - queries, 256-257
 - result-set limitations, queries, 257
 - retention
 - data policies, 249
 - privacy policies, 117
 - retention policies, 317
 - reverse DNS lookups, spam, 87
 - reviews, 186
 - management, 204-206
 - meetings, 207
 - scope, 208
 - team members, 206-207
 - templates, 208-211
 - starting, 204
 - validation, 188
 - RFID (radio frequency identification) tags, 98-105
 - Rights Meta Data for Open Archiving (RoMEO), 295
 - risks, 301-304
 - RMS (Windows Rights Management Services), 297-299
 - rollup, decomposition, 221-222, 225
 - RoMEO (Rights Meta Data for Open Archiving), 295
 - routing
 - groups (crowds), 21
 - JANUS, 21
 - onion, 21
 - rows. *See also* databases
 - categorization, 272
 - security, 247
- S
- SADP (simple additive data perturbation), 265
 - Safe Harbor Privacy Principles, 47-49, 311-313
 - sample applications, 228-230. *See also* applications
 - Sarbanes Oxley Act, 266
 - scope of privacy reviews, 208
 - SDKs (software development kits), 298-299
 - searching .adm files, 74-76
 - secure file deletion, 25
 - Secure Sockets Layer (SSL), 37
 - security
 - analysis, 197-198
 - connections, 301
 - databases
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - encryption, 258-262
 - hippocratic, 266-268

- management, 272
- physical security, 245
- programmatic security, 246-247
- queries, 256-257
- suppression, 258
- transaction auditing, 247-248
- translucent databases, 252
- selection of rights expression
 - languages, 295
- sending anonymous messages, 20. *See also* email
- sensitive information, transmission of, 302
- server-side antispam solutions, 91-92
- servers, Web, 21
- service quality monitoring (SQM)
 - files, 36
- services
 - anonymous e-mail Web sites, 20
 - checklists, 311-313
 - development, 187-188
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - feature complete, 187
 - phases, 181-186
 - privacy response teams, 190
 - product release, 190
 - testing, 188
 - onion routing, 21
 - privacy statements, 309
 - standards, 315-317
- sharing data
 - control of, 316
 - privacy policies, 117
- sharing information, 302
- Silverman v. United States*, 110
- simple additive data perturbation (SADP), 265
- smart dust, 108-109
- smart tags, 98-105
- software development kits (SDKs), 298-299
- sound, WMP9, 67-69
- spam
 - anti-spam
 - applications, 85-92
 - tools, 22
 - bulk e-mail solutions, 94
 - controlling, 83-84
 - costs, 80-81
 - e-mail solutions, 93
 - litigation, 82
 - management, 80
- SpamCon Foundation, 94
- specifications, 184, 192
 - data analysis, 194-195
 - dependency analysis, 202
 - disclosure plans, 200-202
 - entity description, 203
 - phone home disclosure, 202-203
 - security analysis, 197-198
 - usage analysis, 196-197
 - user access analysis, 199
 - user control analysis, 198
- Spotme conferencing devices, 106-107
- spreadsheets, data analysis templates, 307. *See also* databases
- spyware, 23
- SQM (service quality monitoring)
 - files, 36
- SSL (Secure Sockets Layer), 37
- standards, 126-127, 315-317
- Start menu
 - Customize Start Menu dialog
 - box, 66
 - Help and Support command, 56

- starting
 - development, 176-182
 - privacy reviews, 204
- statements
 - PATs, 28
 - privacy, 7-8, 185, 309
- statistical databases, 254
- storage, control of, 316
- subdermal RFID tags, 100
- subsidiaries, privacy response centers,
 - 134-135
- suppression, 258
- surveillance, 148-149
- symmetric encryption, 260
- T
- tables. *See also* databases
 - categorization, 272
 - data categorization, 251
 - encryption, 258-262
 - hippocratic, 266, 268
 - management, 272
 - query limitations, 256-257
 - row-level security, 247
 - suppression, 258
- TCP/IP (Transport Control Protocol/Internet Protocol), 147
- teams
 - component (privacy hierarchies),
 - 124-127
 - privacy responses, 190
 - privacy reviews, 206-207
- templates
 - data analysis, 307
 - privacy review, 305
 - privacy reviews, 208-211
- testing
 - Authorization Manager, 285-287
 - databases, 280-287
 - text, 185. *See also* documentation;
 - privacy statements
 - Tivoli Privacy Manager (TPM), 268
- tools
 - anti-spam, 22, 85-92
 - clearing histories, 21
 - Clip Art, 6
 - cookie managers, 24
 - P3P, 167
 - JRC, 170
 - P3PEdit, 169-170
 - Policy Editor, 168
 - Validator, 169
 - popup blockers, 22-23
 - Remove Hidden Data, 73
- TPM (Tivoli Privacy Manager), 268
- tracking, 4-5
 - access
 - data minimization, 248-251
 - data obfuscation, 252-253
 - data perturbation, 262-265
 - data quantization, 254
 - physical security, 245
 - programmatic security, 246-247
 - transaction auditing, 247-248
 - defining, 9-10
 - privacy issues, 139-141
 - RFID tags, 98-105
 - Web sites, 148-149
- training, 122
 - customer service personnel, 129-132
 - programs, 177
- transactions, auditing, 247-248
- translucent databases, 252
- transmissions, 302
- Transport Control Protocol/Internet Protocol (TCP/IP), 147
- trend analysis, 139-141

- troubleshooting
 - databases, 280-287
 - Group Policy, 61-63
 - online Help, 56
 - spam, 85-92
 - WER, 57-61
- trustworthiness, creating, 11-12
- TV-Anytime, 294
- type A bias, 263
- type B bias, 263
- type C bias, 263
- type D bias, 263
- U
- U.S. Department of Commerce, 47-49
- United States v. Karo*, 111
- unlinkability, 18
- unservability, 18
- unsolicited e-mail, 9. *See also*
 - anti-spam; spam
- unsubscribing, 36
- updates, automatic, 64-65
- URLs (Uniform Resource Locators), 21
- usage analysis, 196-197
- user access analysis, 199
- user control analysis, 198
- utilities
 - anti-spam, 22, 85-92
 - clearing histories, 21
 - cookie managers, 24
 - P3P, 167
 - JRC, 170
 - P3PEdit, 169-170
 - Policy Editor, 168
 - Validator, 169
 - popup blockers, 22-23
 - Remove Hidden data, 73
- V
- validation of implementation, 188
- Validator (P3P), 169
- value of privacy, 13
- values
 - PATs, 27
 - quantization, 254
- VeriChip, 100. *See also* RFID tags
- viewing P3P, 8, 153
- Visual Studio (MFC applications)
 - design, 228, 230
 - disclosure, 233-235
 - encryption, 240-241
 - files, 231-232
 - installing, 231
 - privacy settings, 236-238
- vocabulary, P3P privacy, 186
- vulnerabilities of Internet
 - applications, 5-7
- W
- Watchdog fields, 139
- Web beacons, 148-149
- Web files, configuring, 276-278
- Web servers, crowds, 21
- Web services
 - components, 304
 - spam, 84
- Web sites
 - anonymous e-mail, 20
 - checklists, 311-313
 - data captured by, 147
 - development, 187-188
 - beta release, 189
 - code complete, 189
 - deployment guides, 191
 - design, 186-187
 - feature complete, 187
 - phases, 181-186

- privacy response teams, 190
- product release, 190
- testing, 188
- encryption, 37
- IP addresses, 148-149
- JANUS routing, 21
- Microsoft Knowledge Base, 56
- P3P, 7, 147, 150-151
 - APPEL, 171-172
 - AT&T Privacy Bird, 166
 - Avant, 166
 - compact policy, 158
 - interfaces, 159
 - Internet Explorer, 160-161
 - JRC, 170
 - Mozilla, 162-163
 - Mozilla Firebird, 165
 - Netscape, 165
 - Opera, 162
 - P3PEdit, 169-170
 - Policy Editor, 168
 - policy files, 153-157
 - reference files, 151-153
 - tools, 167
 - Validator, 169
- PETs
 - anonymizers/pseudonymizers, 19-21
 - antispam tools, 22
 - cookie managers, 24
 - history clearing tools, 21
 - online privacy protection, 25
 - popup blockers, 22-23
 - secure file deletion, 25
 - spyware, 23
- policies, 12
- privacy content, 309
- resources, 319-326
- WER (Windows Error Reporting), 33, 57-63
- Windows
 - automatic updates, 64-65
 - My Recent Documents, 66
 - privacy disclosure documents, 53-54
 - WMP9, 67-69
- Windows Error Report, 33
- Windows Error Reporting (WER), 33, 57-63
- Windows Media Player privacy settings, 32
- Windows Media Player 8, exposure, 5
- Windows Media Player 9, exposure, 6, 67-69
- Windows Rights Management Services (RMS), 297-299
- Windows Server 2003, exposure, 5
- Windows XP, exposure, 5
- Windows-based privacy setting management, 32
- workflow, privacy response centers, 135-137
- X-Z
- Ximian, 33
- XML (eXtensible Markup Language), 185
- XrML (eXtensible Rights Markup Language), 292