

Index

A

ACL (Access Control Lists)

configuring graphically, 157

entries, adding/
deleting, 158

Activity Monitor, 194-195, 199

AFP (AppleTalk Filing Protocol), 252

AirPort

network connectivity,
troubleshooting, 229

turning on/off, 240

wireless network
connections, 222

aliases. **See also**

shortcuts

deleting, 102

Finder, 101, 110

ls (list) command, 68

Smart Folders, 118

symlinks, 102

Terminal commands,
35-37

aligning icons, 105

Always open folders in a
new window option
(Finder, Preferences), 101

anonymous (guest) access,
FTP servers, 258

AppleShare, 246-251

applications

default settings,
restoring to, 185

installing, 173

disk images, 174

drag-and-drop, 175

keyboard shortcuts,
177-178

launching, 176

menu commands,
177-178

opener applications,
changing for files,
179

quitting

Force Quit com-
mand, 182-184

memory conserva-
tion, 180-181

uninstalling, 176-177

windows, opening with
Expose, 186-188

apropos command, 96

Aqua interface, 8, 11-13

Arrange By view option
(Icon view), 105

276 audio, synthesizing speech in text files

audio, synthesizing speech
in text files, 140-141

authentication,
Mac/Windows shared
resource connections,
253-254

Automator, 189-190

B

Back/Forward buttons
(Finder), 74

backups, Home folder, 17

bash (Bourne Again Shell)

command-line comple-
tion feature, 49

changing, 28-30

binding Macs to domains,
254

bundles, 102

applications as, 103

data files as, 103

icons, 103

Show Package
Contents option
(Finder), 120

burning CD/DVD, 213

blank disks, adding
files to, 214

Burn Disc command
(Finder), 215-216

from disk images, 219

ISO images, 218-219

saving burn folders,
216-217

C

Calculate all sizes option
(List view), 106

cancelling pending print
jobs, 169

capitalization, structural
folders, 16

case preservation, file-
names, 46-47

case sensitivity, filenames,
45, 47

cat, displaying text files on
command line, 129-130

cd (change directory) com-
mand, 69, 72

CD, burning, 213

blank disks, adding
files to, 214

Burn Disc command
(Finder), 215-216
from disk images, 219

ISO images, 218-219

saving burn folders,
216-217

chgrp command, changing
file/folder group owner-
ship, 147-149

chmod -R command,
changing file/folder per-
missions recursively, 155

chmod command, chang-
ing file/folder permis-
sions

numerically, 152-154

symbolically, 149-151

- configuring** 277
- chown -R command, changing file/folder permissions recursively, 155**
- chown command, changing file/folder permissions, 146-147**
- CIFS protocol, 247-248**
- CLI (Command-Line Interfaces), 11-14**
- color, customizing in Terminal, 25**
- Column view (Finder), 107**
 - Get Info pane, 108
 - Languages pane, 109
 - More Info button, 107
 - More Info pane, 109
 - Name & Extension pane, 109
 - Open With pane, 109
 - Ownership & Permissions pane, 110
 - Preview pane, 109
- columns, adjusting in List view (Finder), 107**
- command-line**
 - completion feature (bash), 49
 - printing files via, 166
- commands**
 - finding information on, 94-96
 - function, searching via, 96
- learning about, 40
- output, sending to other commands/text files, 138-140
- privileged command execution, 19
- recurring commands, scheduling, 191-193
- Terminal**
 - creating aliases, 35-37
 - executing commands when opening windows/tabs, 31
 - running previous commands again, 34
 - viewing command history, 33-34
- compression (files/folders), 142-143**
- configuring**
 - ACL graphically, 157
 - locations, 236-237
 - networks, 237
 - printers
 - local printers, 159-160
 - network printers, 161
 - Terminal**
 - adding to Dock, 22
 - changing shells, 28-30

278 configuring

- command aliases, 35-37
- custom key mapping, 27-28
- customizing color schemes, 25
- executing command when opening windows/tabs, 31
- resizing window, 24
- restoring sessions, 32
- running previous commands again, 34
- saving sessions, 32
- viewing command history, 33-34

Connect automatically when needed option (PPP), 228

connectivity (networks), checking via Ping command, 262

copying

- files, 75
 - safely, 76
 - wildcards, 78
- folders, 79-80
- network services, 240

cp (copy) command, 75-80

crontabs, scheduling recurring commands, 191-193

CUPS logs, 171

curl command, downloading web files, 271-273

custom icons, 101, 104-105

customizing

- Column view (Finder)
 - Get Info pane, 108
 - Languages pane, 109
 - More Info button, 107
 - More Info pane, 109
 - Name & Extension pane, 109
 - Open With pane, 109
 - Ownership & Permissions pane, 110
 - Preview pane, 109
- Icon view (Finder), 104-105
- List view (Finder), 105
 - adjusting columns, 107
 - Calculate all sizes option, 106
 - date/time, 107
 - Use relative dates option, 106
- Terminal
 - color schemes, 25
 - key mapping, 27-28

D

Darwin interface, 9-14

Date Created column (List view), 107

Date Modified column (List view), 107

date/time

files, finding by, 116

folders, sorting by, 65

List view (Finder), customizing in, 107

Delete button, 28

deleting

ACL entries, 158

aliases, 102

applications, 176-177

files, 83

safely, 85

troublesome files, 88-90

wildcards, 84

folders, 86-87

locations, 237

MacFUSE software, 119

network services from locations, 240

symlinks, 102

desktops (virtual), 189

df (disk free) command, 200

DHCP (Dynamic Host Configuration Protocol)

Ethernet network connections, 224-225

network connectivity, troubleshooting, 229

wireless network connections, 224

dial-up networks

modems, 228

PPP, 227

directories

creating, 73

folders

changing, 69

finding in, 68-69

permissions, 73

disconnecting

from shared resources, 260

SSH remote terminal connections, 266

Disk Utility

disk images

burning CD/DVD from, 219

creating, 206

encryption, 208-210

hard disks, adding to systems, 203

disks

defining, 197

df (disk free) command, 200

280 disks

du (disk usage) command, 201, 203

hard disks

adding to systems, 203-204

erasing, 205

partitioning, 204

images, 174

burning CD/DVD from, 219

creating, 206

encrypted disk images, 208-211

locking, 210-211

monitoring usage of, 198-203

volumes, 198, 204

diskutil command, 206

Dock

Smart Folders, adding to, 118

Terminal, adding to, 22

domains, binding to Macs, 254

downloading web files via curl command, 271-273

drag-and-drop

application installation, 175

files/folders

into Terminal, 71

printing via, 164-165

du (disk usage) command, 201-203

Duplicate command, 75

duplicating

files, 75

safely, 76

wildcards, 78

folders, 79-80

network services, 240

DVD, burning, 213

blank disks, adding files to, 214

Burn Disk command (Finder), 215-216

from disk images, 219

ISO images, 218-219

saving burn folders, 216-217

E - F

Edit Location option (Location submenu), 237

editing text files

Nano, 127

TextEdit, 124-126

ejecting shares (file-sharing), 250

embedded folders, creating a series of, 74

encryption

disk images, 208-211

wireless networks, 222

erasing hard disks, 205

Ethernet networks

- DHCP connections, 224-225
- TCP/IP connections, 226
- Expose, opening application windows, 186-188**
- files**
 - aliases, creating in Finder, 110
 - copying, 75
 - safely, 76
 - wildcards, 78
 - custom icons, 101
 - deleting, 83
 - safely, 85
 - troublesome files, 88-90
 - wildcards, 84
 - extensions, 42, 44
 - Finder, behavior in, 100
 - folders, listing in, 40
 - hidden files, 59
 - moving, 80-82
 - naming
 - case preservation, 46-47
 - case sensitivity, 45-47
 - maximum lengths of, 44-45
 - special characters, 47-50
 - opening, changing opener applications, 179
 - ownership, changing, 146
 - graphically, 156-157
 - group ownership, 147-149
 - permissions, changing
 - graphically, 156-157
 - numerically, 152-154
 - recursively, 155
 - symbolically, 149-151
 - preserving information when duplicating folders, 80
 - previewing via Quick Look, 113
 - printing
 - command line, 166
 - drag-and-drop, 164-165
 - PDF, 163
 - read/write access, 154
 - renaming, 80-82
 - saving as Smart Folders, 117-118
 - sharing
 - ejecting shares, 250
 - finding servers, 250
 - FTP servers, 257-259
 - Macs, 246-247, 249-252
 - NFS resources, 255-256

282 files

- secure remote terminal access, 244-245
 - disconnecting from shared resources, 260
 - SSH, 244-245
 - WEBDAV resources, 256-257
 - Windows computers, 247-248, 253-254
 - sizes, expressing in kilo/mega/gigabytes, 67-68
 - Spotlight, finding via
 - + button, 116
 - contents, 114
 - date, 116
 - kind, 116
 - name, 113
 - narrowing focus, 114
 - Other attribute type, 117
 - Unique File ID, 113
 - symlinks, creating in Finder, 112
 - Terminal, dragging into, 71
 - text files
 - displaying on command line, 129-130
 - displaying via less pager, 130-131
 - editing via Nano, 127
 - editing via TextEdit, 124-126
 - finding via less pager, 132
 - pattern searches, 136-137
 - plain text, 123
 - plist files, 124
 - rich text, 123
 - sending command output to, 138-140
 - synthesizing speech, 140-141
 - viewing first few lines of, 133
 - viewing last few lines of, 134
 - viewing updates to, 135
 - transferring
 - FTP, 267-269
 - SCP, 269, 271
 - SFTP, 267-269
 - types of, 42-44
 - Unique File ID, 113
 - web files, downloading via curl command, 271-273
 - wildcards, 50-51
 - Zip compression, 142-143
- filesystem, navigating, 12-13**

- FileSystem Hierarchy Standard, 17**
- FileVault (Security pane), 209**
- Finder**
 - aliases, 101, 110
 - Back/Forward buttons, 74
 - bundles, 102
 - Burn Disc command, 215-216
 - Column view
 - Get Info pane, 108
 - Languages pane, 109
 - More Info button, 107
 - More Info pane, 109
 - Name & Extension pane, 109
 - Open With pane, 109
 - Ownership & Permissions pane, 110
 - Preview pane, 109
 - files
 - behavior in, 100
 - saving as Smart Folders, 117-118
 - folders
 - behavior in, 100
 - changing directories, 69
 - opening in, 71, 101
 - Smart Folders, 117-118
 - Get Info pane, Open With section, 180
 - Home folder
 - backups, 17
 - multiple users, 17
 - naming, 15
 - navigating to, 72
 - opening, 15
 - paths to, 16
 - Icon view, customizing, 104-105
 - List view
 - customizing, 105-107
 - Date Created column, 107
 - Date Modified column, 107
 - New Burn Folder command, 216
 - Preferences, Always open folders in a new window option, 101
 - Shared heading, finding shared resource servers, 250
 - Show Package Contents option, 120
 - Spotlight, finding files by
 - + button, 116
 - contents, 114

284 **Finder**

- date, 116
- global search bar, 114
- kind, 116
- name, 113
- narrowing focus, 114
- Other attribute type, 117
- Unique File ID, 113
- symlinks, creating in, 112
- view modes, 100
- windows, sizing, 100
- finding**
 - commands via function, 96
 - files. **See** Spotlight
 - folders in directories, 68-69
 - information on commands, 94-96
 - MAC addresses, 223-224
 - NFS shares, 256
 - patterns, text files, 136-137
 - shared resource servers, 250
 - text, less pager, 132
- Firewall section (Security pane), 230-232**
- firewalls, 230-232**
- folders**
 - aliases
 - creating in Finder, 110
 - Smart Folders, 118
 - bundles, 102
 - copying, 79-80
 - creating, 73
 - custom icons, 101
 - deleting, 86-87
 - directories
 - changing, 69
 - finding in, 68-69
 - embedded folders, creating a series of, 74
 - files
 - listing, 40
 - saving as Smart Folders, 117-118
 - Finder
 - behavior in, 100
 - opening in, 71
 - opening in separate windows, 101
 - listing items in, 53-54
 - color-coded types, 57-58
 - pattern-matching via wildcards, 58
 - sizes, 55
 - type symbols, 57
 - viewing hidden folders, 59

- ownership
 - changing, 146-149, 156-157
 - viewing, 60-64
 - permissions
 - changing, 149-157
 - listing, 60-64
 - read/write access, 154
 - Smart Folders
 - adding to Dock, 118
 - aliases, 118
 - saving files as, 117-118
 - SpotlightFS software, 119
 - sorting by
 - date/time, 65
 - size, 66
 - symlinks, creating in Finder, 112
 - Terminal, dragging into, 71
 - Zip compression, 142-143
 - Force Quit command, 182-184**
 - formatting volumes (disks), 204**
 - Forward/Back buttons (Finder), 74**
 - FTP (File Transfer Protocol) servers, 267-268**
 - anonymous (guest) access, 258
 - Grab, capturing screenshots 285**
 - file-sharing, 257-259
 - mount ftp command, 259
 - shares, navigating, 259
 - function, searching commands via, 96**
-
- G**
-
- General section (Column view, Get Info pane), 108**
 - Locked option, 109
 - Open using Rosetta option, 108
 - Stationary Pad option, 108
 - Get Info pane**
 - custom icons, creating for files/folders, 101
 - General section
 - Locked option, 109
 - Open using Rosetta option, 108
 - Stationery Pad option, 108
 - Open With section, 180
 - Spotlight Comments section, 108
 - gigabytes (gB), expressing files sizes by, 67-68**
 - global search bar (Spotlight), 114**
 - Grab, capturing screenshots, 121**

286 **grep command, pattern searches in text files**

grep command, pattern searches in text files, 136-137

Grid spacing slider (Icon view), 104

group ownership, changing in files/folders, 147-149

GUI (Graphical User Interfaces), 11-13

H

hard disks

adding to systems, 203-204

erasing, 205

partitioning, 204

hduutil command, creating encrypted disk images, 209

head command, viewing first few lines of text files, 133

hidden files/folders, viewing, 59

histories (Terminal command), viewing, 33-34

Home folder

backups, 17

multiple users, 17

naming, 15

navigating to, 72

opening, 15

paths to, 16

“Host unreachable” error messages (Ping command), 263

I

Icon view (Finder)

Arrange By view option, 105

customizing, 104-105

Grid spacing slider, 104

Show icon preview option, 104

Show item info option, 104

Snap to grid option, 105

Iconographer shareware, 101

icons

aligning, 105

bundles, 103

custom icons

creating, 104-105

files/folders, 101

images

custom icons, creating, 101

disk images, 174

burning CD/DVD from, 219

creating, 206

encrypted disk images, 208-211

locking, 210-211

ISO images (CD/DVD), 218-219

screenshots, capturing, 121

listing 287

**Inspector palette
(Terminal), 25**

installing applications, 173

disk images, 174

drag-and-drop, 175

**Internal Modem, turning
on/off, 240**

**ISO images (CD/DVD),
218-219**

J - K - L

**key mapping, customizing
in Terminal, 27-28**

keyboard

modifier keys, 179

shortcuts, 177

quitting applica-
tions, 181

redefining, 178

screenshots, captur-
ing, 121

**Keyboard Shortcuts section
(Keyboard and Mouse
pane), redefining short-
cuts, 178**

**Keyboard Viewer palette,
126**

**Keychain, storing WEP
passwords in, 237**

killall command, 195

**kilobytes (kB), expressing
files sizes by, 67-68**

**Languages pane
(Column view), 109**

less pager

man pages, 133

text, finding, 132

text files

displaying, 130-131

viewing output in,
140

List view (Finder)

customizing, 105

adjusting columns,
107

Calculate all sizes
option, 106

dates/times, 107

Use relative dates
option, 106

Date Created column,
107

Date Modified column,
107

listing

files in folders, 40

items in folders, 53-54

color-coded types,
57-58

hidden folders, 59

pattern-matching via
wildcards, 58

sizes, 55

type symbols, 57

pending print jobs, 167

288 local printers, configuring

local printers, configuring,
159-160

Location submenu
(Network pane), 236-237

locations

Automatic setup, 236

creating, 236

defining, 235

deleting, 237

network services

adding/removing,
239

duplicating, 240

setting preference
order, 238-239

networks

configuring settings,
237

deleting from, 240

renaming, 237

switching, 241

Locked option (Column
view, General section),
109

locking disk images,
210-211

lpq command, listing pend-
ing print jobs, 167

lpr command, printing files
from command line, 166

lprm command, cancelling
pending print jobs, 169

lpstat command, viewing
print job status, 171

ls (list) command, 40

aliases, 68

file sizes, expressing in
kilo/mega/gigabytes,
67-68

listing items in folders,
53-54

color-coded types,
57-58

hidden files/folders,
59

pattern-matching via
wildcards, 58

permissions, 60-64
sizes, 55-57

type symbols, 57

viewing ownership,
60-64

sorting folder contents

date/time, 65

size, 66

M

MAC addresses, finding,
223-224

MacFUSE software, 119

Macs

domains, binding to,
254

file-sharing, 246-252

Make Service Inactive
option (Network pane),
240

man (manual) command,
40, 94-96

Nano, editing text 289

man (manual) pages

- quitting, 96
- reading, 94-96

man pages, less pager, 133**megabytes (mB), expressing files sizes by, 67-68****memory, conserving by quitting applications, 180-181****menu commands, 177-178****mkdir (make directory) command, 41, 73-74****modems**

- dial-up network connections, 228
- Internal Modem, turning on/off, 240

modifier keys (keyboard), 179**monitoring**

- hard disk usage, 198-203
- system performance, 194-195

More Info pane (Column view), 107-109**mount afp command, 252****mount ftp command, 259****mount nfs command, 256****mount smbfs command, 255****mount webdav command, 257****mounting**

- AFP, Mac shared resource connections, 252
- NFS servers, 256
- shares automatically, 251
- SMB, Windows computer shared resource connections, 255

mouse, Option click to position cursor option (Terminal), 129**moving files, 80-82****mv (move) command, 80-82****N****Name & Extension pane (Column view), 109****naming**

- files
 - case preservation, 46-47
 - case sensitivity, 45-47
 - maximum lengths of, 44-45
 - special characters, 47-50
- Home folder, 15
- locations, 237

Nano, editing text, 127

290 navigating

navigating

filesystem, 12-13

FTP shares, 259

Home folder, 72

Network pane (System Preferences)

Location submenu, 236-237

Make Service Inactive option, 240

network connectivity, troubleshooting, 229

Network Preferences pane

Set Service Order option, 239

WINS tab, 249, 253

networks

connectivity

checking via Ping command, 262

troubleshooting, 229

dial-up networks

modems, 228

PPP, 227

Ethernet

DHCP connections, 224-225

TCP/IP connections, 226

firewalls, 230-232

locations

adding network services, 239

Automatic setup, 236

configuring, 237

defining, 235

deleting, 237

duplicating network services, 240

removing network services, 240

renaming, 237

setting network service preference order, 238-239

switching, 241

printers, configuring, 161

wireless networks

AirPort activation, 222

DHCP, 224

encryption, 222

finding MAC addresses, 223-224

New Burn Folder command (Finder), 216

NFS (Network File Systems)

file-sharing, 255-256

mount nfs command, 256

“No route to host” error messages (Ping command), 263

nonsymbolic links, 112

peripherals 291

O

open command, opening folders in Finder, 71

Open using Rosetta option (Column view, General section), 108

Open With pane

Column view, 109

Get Info window, 180

opener applications

changing for files, 179

file types, 43

Option click to position cursor option (Terminal), 129

Other attribute type (Spotlight), finding files by, 117

ownership, files/folders

changing in, 146

graphically, 156-157

group ownership, 147-149

viewing, 60-64

Ownership & Permissions pane (Column view), 110

P

paggers (less)

man pages, 133

text, finding, 132

text files

displaying, 130-131

viewing output in, 140

partitioning hard disks, 204

passwords

remote terminal connections, SSH, 266

WEK passwords, storing in Keychain, 237

pattern searches, text files, 136-137

pattern-matching, listing folder items via wild-cards, 58

PDF files, printing, 163

pending print jobs

cancelling, 169

listing, 167

starting/stopping, 168

viewing status of, 171

performance

hard disks, monitoring usage of, 198-203

memory conservation, quitting applications, 180-181

system performance, monitoring, 194-195

peripherals

keyboard

modifier keys, 179

shortcuts, 121, 177-178, 181

292 **peripherals**

mouse, Option click to position cursor option (Terminal), 129

permissions

directories, 73

files/folders, changing in

graphically, 156-157

listing in, 60-64

numerically, 152-154

recursively, 155

symbolically, 149-151

Ping command

checking network connectivity, 262

“Host unreachable” error messages, 263

“No route to host” error messages, 263

pipes (|), sending command output to other commands/text files, 138-139

plain text files, 123

plist files, 124

plutil command, 124

popd command, 74

PPP (Point-to-Point Protocol)

Connect automatically when needed option, 228

dial-up networks, 227

preferences

application preferences, restoring, 185

network services, setting in locations, 238-239

Preferences (Finder), Always open folders in a new window option, 101

Preview pane (Column view), 109

previewing

files via Quick Look, 113

printing, 164

Print & Fax pane (System Preferences)

Print Queue

starting/stopping print jobs, 168

viewing print job status, 171

printer configuration, 160-161

Start Jobs button, 169

Stop Jobs button, 169

Print Queue, print jobs

starting/stopping, 168

viewing status of, 171

printing

CUPS logs, 171

files

command line, 166

drag-and-drop, 164-165

PDF, 163

rm (remove) command, deleting files/folders 293

- local printers, configuring, 159-160
 - network printers, configuring, 161
 - pending jobs
 - cancelling, 169
 - listing, 167
 - starting/stopping, 168
 - viewing status of, 171
 - previewing, 164
 - troubleshooting, 170
 - privacy, files/folders, 154**
 - privileged commands, issuing, 19, 91-93**
 - pushd command, 74**
 - pwd (print working directory) command, 68-69**
- Q - R**
-
- Quartz compositing layer, 9**
 - Quick Look, previewing files, 113**
 - quitting applications**
 - Force Quit command, 182-184
 - memory conservation, 180-181
 - read/write access (files/folders), 154**
 - recurring commands, scheduling, 191-193**
 - redirection operators, saving filtered command output in text files, 140**
 - remote terminal connections, SSH, 264-266**
 - remote terminals, secure file-sharing, 244-245**
 - removing**
 - ACL entries, 158
 - applications, 176-177
 - MacFUSE software, 119
 - network services from locations, 240
 - Rename Location option (Location submenu), 237**
 - renaming**
 - files, 80-82
 - locations, 237
 - resizing Terminal window, 24**
 - restoring**
 - applications to default settings, 185
 - Terminal sessions, 32
 - rich text files, 123**
 - rm (remove) command, deleting files/folders, 83, 86-87**
 - safely, 85
 - troublesome files, 88-90
 - wildcards, 84

294 Rosetta

Rosetta, Open using Rosetta option (column view, General section), 108

routers, tracing paths via traceroute command, 263-264

S

saving

burn folders (CD/DVD burning), 216-217

files in Smart Folders, 117-118

Terminal sessions, 32

scheduling recurring commands, 191-193

SCP (Secure Copy Protocol), 269-271

screenshots, capturing, 121

searches

commands via function, 96

pattern searches, text files, 136-137

security

disk images

encryption, 208-209

locking, 210-211

file-sharing

remote terminal access, 244-245

SSH, 244-245

file-transfers, SCP, 269, 271

firewalls, 230-232

privacy, files/folders, 154

remote terminal connections, passwords, 266

wireless networks, encryption, 222

Security pane

FileVault, 209

Firewall section, 230-232

servers

FTP servers, 268

anonymous (guest) access, 258

file-sharing, 257-259

NFS servers, mounting, 256

shared resource servers, finding, 250

Set Service Order option (Network Preferences pane), 239

SFTP (Simple File Transfer Protocol), 267-269

Shared heading (Finder), finding shared resource servers, 250

shared resources (file-sharing)

disconnecting from, 260

- finding servers, 250
- FTP server connections, 257-259
- Mac connections, 249-252
- mounting shares automatically, 251
- NFS resource connections, 255-256
- WEBDAV resource connections, 256-257
- Windows computer connections, 253-254
- sharing files**
 - ejecting shares, 250
 - Macs, 246-247, 249-252
 - NFS resources, 255-256
 - secure remote terminal access, 244-245
 - servers
 - finding, 250
 - FTP servers, 257-259
 - shared resources, disconnecting from, 260
 - SSH, 244-245
 - WEBDAV resources, 256-257
 - Windows computers, 247-248, 253-254
- Sharing Preferences pane**
 - Mac file-sharing, 246-247
- Snap to grid option (Icon view)** 295
 - Windows computer file-sharing, 248
- shells. *See* bash (Bourne Again Shell); SSH (Secure Shell)**
- short names, Home folder, 15**
- shortcuts. *See also* aliases**
 - keyboard shortcuts, 177
 - capturing screenshots, 121
 - quitting applications, 181
 - redefining, 178
 - symlinks, 102
- Show icon preview option (Icon view), 104**
- Show item info option (Icon view), 104**
- Show Package Contents option (Finder), 120**
- sizing windows in Finder, 100**
- Smart Folders**
 - aliases, 118
 - Dock, adding to, 118
 - files, saving as, 117-118
 - SpotlightFS software, 119
- SMB (Server Message Blocks), 247-248, 255**
- Snap to grid option (Icon view), 105**

- 296 **Snapz Pro X software, capturing screenshots**
- Snapz Pro X software, capturing screenshots, 122**
- software**
- Iconographer, 101
 - installing, 173
 - disk images, 174
 - drag-and-drop, 175
 - MacFUSE, 119
 - Snapz Pro X, 122
 - SpotlightFS, 119
 - uninstalling, 119, 176-177
- sorting folders by**
- date/time, 65
 - size, 66
- Spaces, 189**
- spaces in usernames, 15**
- special characters in file-names, 47-50, 126**
- speech, synthesizing in text files, 140-141**
- Spotlight**
- command-line functions, 119
 - finding files by, 117
 - + button, 116
 - contents, 114
 - date, 116
 - kind, 116
 - name, 113
 - narrowing focus, 114
 - Other attribute type, 117
 - Unique File ID, 113
 - global search bar, 114
- Spotlight Comments section (Column view, Get Info pane), 108**
- SpotlightFS software, 119**
- SSH (Secure Shell)**
- enabling, 244
 - graphical programs, 245
 - remote terminal connections, 264-266
 - SCP, 270
 - specific user lists, 245
- Start Jobs button (Print & Fax pane), 169**
- Stationery Pad option (Column view, General section), 108**
- Stop Jobs button (Print & Fax pane), 169**
- storing WEP passwords in Keychain, 237**
- sudo (superuser do) command, issuing privileged commands, 19, 91-93**
- sudo ipfw show command, viewing firewall rules, 232**
- switching locations, 241**
- symlinks. *See also* aliases**
- deleting, 102
 - Finder, creating in, 112
 - nonsymbolic links, 112
 - shortcuts, 102

text files 297

**system performance,
monitoring, 194-195****System Preferences**

Network pane

Location submenu,
236-237

Make Service

Inactive option,
240troubleshooting net-
work connectivity,
229Print & Fax pane, print-
er configuration,
160-161Security pane, FileVault,
209**T****tail -F command, viewing
updates to text files, 135****tail command, viewing last
few lines of text files,
134****TCP/IP (Transfer Control
Protocol/Internet
Protocol)**Ethernet network
connections, 226network connectivity,
troubleshooting, 229**Telnet, MAC OS X support
for, 246****Terminal**color schemes,
customizing, 25

commands

creating aliases,
35-37executing when
opening
windows/tabs, 31

running again, 34

viewing history of,
33-34

Dock, adding to, 22

folders, dragging into,
71

Inspector palette, 25

key mapping, customiz-
ing, 27-28

launching, 22

Option click to position
cursor option, 129

resizing window, 24

sessions

restoring, 32

saving, 32

shells, changing, 28-30

tabbed mode, 23

Zoom button, 24

text

finding, less pager, 132

Keyboard Viewer
palette, 126

special characters, 126

text filescommand line, display-
ing on, 129-130

editing

298 text files

Nano, 127
TextEdit, 124-126

less pager, displaying
via, 130-131

pattern searches,
136-137

plain text, 123

plist files, 124

rich text, 123

sending command
output to, 138-140

speech, synthesizing,
140-141

viewing
first few lines of,
133
last few lines of,
134
updates, 135

TextEdit, 124-126**time/date**

files, finding by, 116
folders, sorting by, 65
List view (Finder),
customizing in, 107

**traceroute command,
263-264****transferring files**

FTP, 267-269
SCP, 269-271
SFTP, 267-269

troubleshooting

applications, Force Quit
command, 182-184

network connectivity,
229
printing, 170

U

uninstalling

applications, 176-177
MacFUSE software,
119

Unique File ID, 113**Unix**

mv (move) command,
80-82
rm (remove) command,
83-90

Unix shell

apropos command, 96
cd (change directory)
command, 69
cd command, 72
cp (copy) command,
75-80
ls (list) command,
53-68
man (manual)
command, 94-96
mkdir (make directory)
command, 73-74
open command, 71
popd command, 74
pushd command, 74
pwd (print working
directory) command,
68-69

sudo (superuser do)
command, 91-93
updates, viewing in text
files, 135
Use relative dates option
(List view), 106
usernames, Home folder,
15

V - W

virtual desktops, 189
volumes (disks), 198, 204
web files, downloading via
curl command, 271, 273
WEBDAV, file-sharing,
256-257
WEP passwords, storing,
237
wildcards, 50-51
files
copying, 78
deleting, 84
listing folder items via,
58
Windows computers,
file-sharing,
247-248, 253-254
windows, sizing in Finder,
100
WINS tab (Network
Preferences pane),
249, 253
Wired Equivalent Privacy,
wireless networks, 222
wireless networks

Zoom button (Terminal) 299
AirPort activation, 222
DHCP, 224
encryption, 222
MAC addresses,
finding, 223-224
workflows, automating,
189-190

X - Y - Z

Zip compression
(files/folders), 142-143
Zoom button (Terminal), 24