INDEX

Numbers

3D graphics, 394 3D modeling, Blender for, 258, 259 3G, 55 4OD. See Flash 802.11a/b/g/n. See wireless, connection

Symbols

* (asterisk), use as wildcard character, 177 / (root), 100

A

AAC files, playing locked, 288 AbiWord, 238 accented characters, typing, 213, 216 Add-ons window, 68 Adobe Flash Player, 63 Advanced Package Tool (APT). See APT (Advanced Package Tool) advertising on IRC, 371 adware, 4 AIFF file format, 262 AIM. See IM (instant messaging) album art, Rhythmbox, 267 Ambiance, default theme in Ubuntu, 134 AMD64 processor, Ubuntu CD for, 409, 411 Android-based phones copying files to hard drive, 284 ejecting, 282

managing audio files on with Rhythmbox, 282 working with, 280 animation, Blender for, 258-259 antivirus software, 340 avast!, 346-347 ClamAV, 344, 346 f-Prot, 344 Panda Desktop Secure, 344 appending file to tarball, 172 Apple hackers, 365 applets, 65 adding to desktop panel, 31 defined, 30 applications. See also installing applications; software compiling from source, 184, 189 costs of, 3 finding commands for, 359 firewall, 342, 344 installing with apt-get, 168 installing with aptitude, 169 Internet, 59 moving between virtual desktops, 41 restarting for new font display, 144 ScribeFire, 66 web resources, 424 Wine for running Windows applications, 329-332 Applications menu, 27 Add/Remove, 80 adding launchers to panel from, 32 - 33Brasero Disc Burner, 110

Applications menu, continued **Evolution Mail**, 69 Firefox web browser, 60 in Serbian, 225 Movie Player, 293 Sound & Video Sound Converter, 287 Virus Scanner, 345 APT (Advanced Package Tool), 79 adding software repository, 86 graphical frontends for, 80 multiple frontends open, 91 APT line for GetDeb, 86 apt-get command Easter eggs in, 168 installing packages with, 168 aptitude command command mode, 171 installing packages with, 169 semi-graphical mode, 169 APT-URL, 88 archives creating with the tar command, 171, 173extracting with the tar command, 172 Art Manager, 133, 137 Asian languages, typing with IBus, 221 asterisk (*), use as wildcard character, 177 ATI graphics cards, 394 ATOM feeds, 62, 77 AU file format, 262 Audacity, 274 audio. See also sound Audio Tag Tool, 273 converting file formats, 287 EasyTAG, 273 file formats, 261 setting preferences, 287 Streamtuner, 273 Totem for playing, 294, 295 audio applications, installing MP3 file support for, 262–263 audio CDs, creating, 269, 270

audio players alternatives to Rhythmbox, 272 Rhythmbox, 264 authentication of packages, 86 auto-detecting printers, 194, 195 Autohide, GNOME desktop bottom panel, 132 automatic login, 148 automatic playlists in Rhythmbox, 266 auto-update of iPod/iPhone, disabling, 279-280 Avant Window Navigator, 138 avast! downloading DEB package, 346 license key for, 346 Avidemux, 303

B

backdoors, 4 backgrounds desktop, 129, 131 Terminal, 189, 191 window, 127 Nautilus side pane, 129 window in GNOME desktop, 128 backing up files, 116, 118 backports, 363 backup files, encrypting, 116 backups recovering from, 118 before Ubuntu install, 19 Bash (Bourne Again Shell), 159 batch photo conversions, Phatch for, 252 BBC iPlayer. See Flash beans, 367 /bin folder, 101 BIOS accessing, 407 setup, 12 keys to enter setup, 12 bitmap graphics creation GIMP, 250, 251, 252 paint programs, 250, 254, 255

blogs creating, 66 definition, 74 microblogging, 74 ScribeFire Firefox plugin, 66 web resources for, 423 Bluetooth devices pairing, 113 receiving files via, 115 sending files via, 115 working with, 113 Bluetooth Manager icon on top desktop panel, 29 boat, 65 Boing Boing, 62 Bombono DVD, 303 bookmarks navigating in Nautilus, 99 network share, 103 BookWrite, 87 boot order, checking, 376 booting a different kernel version, 85 changing boot order, 12 checking the boot order, 376 from live CD, 12 checking the disc, 376 downloading the CD image, 377 problems, 376 from USB flash drive, 405 **GRUB** errors, 380 into Windows, problems with, 383. See also dual-boot systems options, 407 problems, 379 using kernel options, 377 bootloader **GRUB**, 17 Windows, 16 borders for windows changing appearance, 134, 136 installing additional, 136-137 bottom panel, 29 Bourne Again Shell (Bash), 159 Brainstorm, 364

Brasero, 111 burning audio CDs with, 270 burning multisession CDs with, 110 duplicating CDs and DVDs with, 111 Breadcrumbs, 98 Breezy Badger, 10 Briscola, 180, 183 downloading and installing, 180 extracting tarball and renaming folder, 181 launchable link for, 183 moving folder to global location, 182 playing, 183 preparing script for, 181 broadband. See Internet connections browser. See Firefox browser Bug Squad, 363 bugs advice for reporting, 361 already reported, 360 commenting, 360 drinking from the firehose, 363 explanation of a bug report, 362 identifying, 358 marking that they affect you, 360 number reported, 363 origin of the term, 358 reporting, 359 reproducibility, 359 status, 363 subscribing, 360 things that aren't bugs, 359 time taken to fix, 363 updated packages, 363 Bull, Phil on becoming an Ubuntu contributor, 373 burning data CDs and DVDs, 106-107, 109 in Mac OS X, 410-411 ISO images to CD, 109 multisession CDs, 110 .bz file extension, 173 .bz2 file extension, 173

C

cable for providers without DHCP, 47 Internet connection, connecting, 46 CAD (computer-aided design), OCad for, 258 Calc (OpenOffice.org), 228 Easter egg in, 230 uses for. 230 calendar command, 162 canceling print job, 202–203 Canonical store, 372 capturing and editing digital video, Kino for, 300–301 case sensitivity of commands, 158 cd command, 163–164 CD Creator window, switching to, 109 CD drive, changing boot sequence, 12 CD/DVD, ejecting, 106 CD-RW discs, 108, 109 CDs burning, 106–107, 109 ISO images, 109 multisession, 110 duplicating, 111 for AMD64 users, 409 for Intel Core 2 users, 409 in book, 1 compatibiliy with 64-bit systems, 9 reading, 106 cellphones, working with, 282 Centrino IPW-2100 and IPW-2200 cards, 49 channel, IRC, 368 character encoding, for web pages, 212 Character Map utility, 213, 216 characters, typing nonstandard, 213, 216 chat. See IM (instant messaging) CheapBytes, 411 checksum, 376 children, Tux Paint for, 260

Chinese input with IBus, 219–222 recommended input methods, 220 chmod command, 165, 167 ClamAV, 344, 346 clipart, adding to OpenOffice gallery, 234 Code of Conduct, 357 codec, 387 coffee, 367 color, Nautilus side pane, 129 command line, user reaction to. 155–156. See also Terminal command-line driven operating system, 2 commands apt-get, 168 aptitude, 169 calendar, 162 case sensitivity of, 158 cd, 163, 164 chmod, 165, 167 cp, 164 df, 161 exit, 162 finding for applications, 359 fine tuning with flags, 161 finger, 159 gunzip, 173 gzip, 173 ln, 171 locate, 167 ls, 162 mkdir, 163 mv, 163 pwd, 161 rm, 164 rmdir, 165 sudo, 167 tar, 171, 173 touch, 163 updatedb, 168use of flags with, 161 whoami, 158 commercial software, 355 compiler, 184

compiling programs from source, 184, 189 Xmahjongg, 187, 188 Compiz, 150 CompizConfig Settings Manager, 154 Annotate tool, 152 installing, 152 selecting visual effects with, 152 customizing, 151 effects on screenshots, 151 problems running, 394 turning off, 151 compose key, selecting, 214, 215 compressed files audio, 262 tar command to create, 173 tar command to extract, 172 computer-aided design (CAD), QCad for, 258 ./configure command, 185, 188 connections for printers, 199 Control Panel (Windows), System, Hardware tab, 8 controls in GNOME, changing appearance, 134 converting scanned document to text, 206 copying files and folders in Nautilus, 97 files from android based phones to hard drive, 284 files from digital media devices to hard drive, 284 files from iPod to hard drive, 284 costs of software, 3 Could not get lock, error message, 400 cp command, 164 CPU usage, 401 identifying, 8 crashes, 358, 401 Crayon Physics, installing with PlayOnLinux, 332 Create Archive window, 120 creating compressed files, 173

cryptic attack on locked DVD drive, 293 customization user accounts, 124 login screen, 146 cut and paste, for moving files, 97

D

daemon, defined, 219 Dapper Drake, 10 data CDs and DVDs burning, 106–107, 109 duplicating, 111 reading, 106 DEB packages, 79, 90. See also packages Debian distribution, 6 defragmenting hard drive, in Windows, 18 Déjà Dup, backing up files with, 116, 118 deleting files, troubleshooting, 398 dependencies, 79 dependency hell, 79 desktop, 25 customization, 126 hard disk and trash icons added to, 140 icons, stretching, 140 menus, 27 changing icons in, 38 changing item order in, 39 panel, moving items on, 37 desktop environments. See also **GNOME** desktop environment adding amusing applets, 31 adding menu contents to panel, 36 adding program launcher, 32 adding utility buttons, 30 bottom panel, 29 changing program launcher icons, 34 hard disk and trash icons added to, 139 icons, 27

desktop environments, continued menu editing, 38 menus, 27 Quit button options, 43 restarting panel, 42 switching between, 148 top panel, 27 virtual desktops, 40 Desktop folder, 94 desktop panel, adding drawer to, 35 developers, 356 Device Manager, 8 df command, 161 DHCP (Dynamic Host Configuration Protocol), 47 cable or Ethernet for providers without, 47 problems with, 47 dial-up Internet connection, 55 connecting with pppconfig, 53 external dial-up modems, 55 modem compatibility issues, 54 setting up, 53 digital cameras, 247 connecting to computer, 244 video camera, 301 digital media devices copying files to hard drive, 284 file format compatibility, 278 iPod/iPhone, 278 managing audio files on with Rhythmbox, 282 other using Rhythmbox as default application for, 282 working with, 282 Rhythmbox, ejecting from within, 285 digital video cameras, capturing video from, 299-300 directory tree, pwd command for current location in, 161 Disk Usage Analyzer, 119 display blank, 396 screen size, 395 troubleshooting, 394

distribution, defined, 5 distros. 5 DNS (domain name service), 48 Documentation Team, 356 documents secure deletion of, 350 shredding, delete after, 351 shredding digitally, 350 domain name service (DNS), 48 dongle, 55 downloading and installing software, 79 Art Manager, 133 avast!, 346 Briscola, 180 from free sites, 424 Picasa package, 256 Ubuntu Desktop CD ISOs, 409, 411 Xmahjongg file, 185–186 dpkg errors, 399 drag-and-drop, for moving files, 97 Draw (OpenOffice.org), 231 drawer adding program launcher to, 35 adding to panel, 35 drawer on desktop panel, adding drawer to, 35 drawing applications, Draw (OpenOffice.org) as, 231 drawing programs, vs. paint programs, 255 drivers disabling, to fix problems, 380 for graphics cards, 394 for nVidia graphics cards, 395 for wireless cards, 389 installing, for wireless, 390 dual booting accessing Ubuntu partition from Windows, 325 changing boot options, 327 changing boot timeout, 329 making Windows default OS, 327 options, 327 dual-boot systems. See also booting defragmenting hard disk, 18 explanation, 16

resizing Windows partition, 20 restarting into Windows, 24 dummy file create in Nautilus, 119 creating with the touch command, 163 duplicating, data CDs and DVDs, 111 DVD ripper AcidRip as, 303 DVD, Rip as, 303 DVD95 as, 303 K9copy as, 303 Thoggen DVD ripper as, 303 DVD Styler, 303 DVDs, 291 burning, 106, 109 drive, regional encoding lock, 293 duplicating, 111 playing encrypted, 292 reading, 106 Totem for playing, 294 Dynamic Host Configuration Protocol. See DHCP (Dynamic Host Configuration Protocol)

E

Easter eggs in apt-get, 168 in Calc (OpenOffice.org), 230 in GNOME desktop environment, 41–42 in Wanda (applet), 41 EasyTAG, 273 ecryptfs-utils installing, 348 setup of, 348 Edgy Eft, 10 editing digital video, Kino for, 301 Edubuntu, 10 ejecting CD/DVD, 106 email account settings, 69 Evolution for, 69 mailing lists, 371

POP and SMTP, 69 Thunderbird for, 70, 71 email address, *ubuntu.com*, 357 emblems, adding to folders, 126 Empathy, for instant messaging, 71 encrypted DVD, installing support for, 292 encrypting encrypting backup files, 116 files, 348 creating, 348 recovering, 349 Home folder, during installation, 22 envelope icon, 69 error message, bugs, 358 /etc folder, 101 Ethernet for providers without DHCP, 47 network connection, setting up, 46 etiquette on IRC, 370 Evolution for email, 69 Ewing, Larry, 3 Examples folder, 94 executable files, path for, 178 exit command, 162 extracting compressed files, 172 tarball for Briscola, 181 Extreme Tux Racer, 308 Eyes (applet), 31

F

Facebook. See Gwibber social client FAT32, 414 Feisty Fawn, 10 file formats audio, 262 using GIMP to convert, 251–252 file naming, characters to avoid, 108 file permissions, 103–105 files backing up, 116 with Déjà Dup, 116, 118 files. continued changing file permissions with the chmod command, 165, 167compatibility of OpenOffice with Microsoft Office, 232 compressed tar command to create, 173 tar command to extract. 172 compressing and extracting, 119, 121 copying with the cp command, 164 deleting with the rm command, 164 encryption of, 348 executable, path for, 178 finding with locate command, 167 hidden, displaying, 162, 174 moving or copying in Nautilus, 97 moving with the my command, 163 recovering lost files, 402 removing unwanted, 119 sharing with Windows users on network, 337, 338 filesystem choosing, 414 definition, 414 explained, 100 finding files with locate command, 167 finger command, 159 Firefox browser, 60, 62 add-ons, 66 character encoding changes, 212 extensions, 62 fixing problems with, 400 installing extensions, 62, 69 live bookmarks, 62 plugins, 62 Popup Manager, 62 printing page to PDF, 201 tab feature, 60, 61 top panel launcher for, 27 won't open, 400

firehose, drinking from, 363 Firestarter, 342 confirming automatic running, 344 selecting network devices, 343 setup, 344 firewall in router, 341 software for, 342, 344 Firewire connector, setting up system to recognize, 300 FLAC (Free Lossless Audio Codec), 262 flags, use with commands, 161 Flash, 63 flash disk, installing Ubuntu from, 405 flash drives, 112 Flickr, exporting images to, 247 FlightGear, 314 flooding, 371 folder Properties window (Nautilus), Permissions tab, 104 folder sharing, setting up, 337, 338 folders, 101 adding emblems, 126 bookmarks for, 99 changing, 104 changing file permissions with the chmod command, 165, 167 copying with the cp command, 164 creating with the mkdir command, 163 creating, naming, and renaming in Nautilus, 96 deleting with the rmdir command, 165 for Briscola moving to global location, 182 renaming, 181 listing current contents, 162 listing current contents in Terminal, 162 moving or copying in Nautilus, 97 moving with the mv command, 163 navigating in Nautilus, 98, 99

permissions within Nautilus, 103, 105 saved photos, 244 tabbed browsing, 98 typing paths, 99 fonts installing Windows core fonts, 326 system fonts, customization, 141, 142 web resources, 424 Force Quit button, adding to desktop panel, 30 foreign DVDs, 292 foreign languages, reading web pages in, 212 forums, web resources for, 421 f-Prot, 344 Free Lossless Audio Codec (FLAC), 262 Freedoom, 311 Freenode, 369 Freeze, bugs, 358 Frets on Fire, making Guitar Hero controller to work with, 316 Fridge, The, 372 Frozen Bubble, 308 F-Spot Photo Manager attach tags when importing images, 244 creating new tag in, 249 exporting images to online albums with, 247 importing images with, 244 searching for images by tag, 250 tagging photographs with, 249 FTP client, Nautilus as, 103 Full Circle Magazine, 371

G

games, 305, 310 3D, need for hardware acceleration, 310 bundled AisleRiot Solitaire, 305 gbrainy, 305 Mahjongg, 305 Mines, 305

Quadrapassel, 305 Sudoku Plus, 305 card Hanafuda, 321 Schnapsen, 318 **GNOME** standards Blackjack, 307 Chess, 307 Five or More, 307 Iago, 307 Klotski, 306 Robots, 307 Same GNOME, 307 Tetravex, 306 installing, 306 Java, Schnapsen, 318 Linux-themed Extreme Tux Racer, 308 Frozen Bubble, 307 Pingus, 308 OpenSonic, 88 other 3D, 322 classic, 321 other sources, 321 Java, 318 PlayDeb, 317 problems running, 394 shooters finding other, 312 Freedoom, 311 Nexuiz, 311 Tremulous, 311 simulators FlightGear, 314 Frets on Fire, 316 LinCity-NG, 314 OpenCity, 314 Sim City (Micropolis), 314 Torcs, 316 strategy Warzone 2100, 313 Wormux, 313 TurboTanks, 65 gconf-editor, 138 GDM, 146 Gedit, 222 geotagging, 73

GetDeb, 86 gigabyte, definition, 414 GIMP, 250–252 online tutorials, 252 resize images and convert formats, 251-252 global location, TrueType fonts, 145 GNOME Art (Art Manager), 133, 137 **GNOME** Configuration Editor, 138 GNOME desktop environment, 25-26. See also desktop environments backgrounds, 129, 131 customization, 126 Easter eggs, 41–42 icon sets, 134, 136 printer icon, 202 printing file to PDF, 201–202 screensaver, 149 window backgrounds, 128 Gnome Games, installing, 307 **GNOME MPlayer**, 303 GNOME PPP, 53 GnuCash, 240 Go menu (Nautilus) CD/DVD Creator, 109 Location. 99 Gocr for scanner character recognition, 206 Google Picasa from, 256 search in Firefox, 60-61 gpaint, 254 GPG key for GetDeb, 86 unauthenticated packages, 399 GRand Unified Bootloader. See **GRUB** (GRand Unified Bootloader) graphical user interface (GUI), 2 graphics 3D, 394 Blender for, 258, 259 F-Spot Photo Manager, 244 GIMP for, 250-252 gpaint for, 254 Inkscape for, 255–256

inserting in OpenOffice document, 234 Phatch, 252 Picasa, 256–257 QCad for, 258 troubleshooting, 394 Tux Paint for, 260 graphics cards, 394 ATI, 394 nVidia, 395 GRUB (GRand Unified Bootloader), 17 errors, 380 menu, 85 selecting operating system from within, 327 gThumb image viewer, 257–258 GUI (graphical user interface), 2 gunzip command, extracting single files with, 173 Gutsy Gibbon, 10 Gwibber social client, 75 .gz file extension, 172 gzip command, 172–173

H

hacker culture, 365 hamster-applet, 88 Hanafuda, 321 hanging indent, 236 Hangul, 218 Hanja, 218 Hanzi, 217 hard disk drives. See also partitioning adding icons to desktop, 139–140 copying files from Android based phone to, 284 copying files from digital media devices to, 284 copying files from iPod to, 284 defragmenting in Windows, 18 formatting, 416 full disks, 397 information on size and available space with df command, 161 Linux minimum requirements, 9 partitioning, 413

hardware bugs, 359 checking that your wireless card is recognized, 389 compatibility issues, 7-8, 423 drivers, installing, 391 graphics cards, 394 minimum requirements, 9 modems, cable or ADSL, 52 modems, dial-up, 53 software for checking, 82 wireless Internet connection, 49 - 50hardware acceleration, checking for, 310 Hardy Heron, 10 help. See also troubleshooting community help website, 373 from mailing lists, 371 from Ubuntu Forums, 365 on IRC, 367 top panel launcher for, 27 hiberfil.sys, 383 hibernation role of the swap partition in, 417 Windows, problems with, 383 hidden files displaying, 162, 174 .plan file as, 174 hiding Nautilus side pane, 95 high-level programming languages, 184-185 high-speed Internet connection, setup, 46 hiragana, 217 History view of filesystem, 95 Hoary Hedgehog, 10 Hobbyist, role in open source, 365 */home* directory, creating separate partition for, 413 Home folder, 94, 100 encrypting, 22 keeping private, 105 home partition, 417–418 Hopper, Grace, 358 HWiNFO, 8 Hyperlink window, 233

I

IBus (Intelligent Input Bus), 219 Chinese, recommended input methods, 220 Japanese, recommended input methods, 220 Korean, recommended input methods, 220 Selecting input method modules, 219 setting up to automatically start at log in, 223 IcedTea. See Java icons changing in desktop menus, 38 changing sets, 134, 136 installing additional, 136–137 on GNOME desktop top panel, 27 stretching, 140 top desktop panel, 27 ideas on improving Ubuntu, 364 Identi.ca, 372 IM (instant messaging), 71 client, 71 explanation, 71 instant status, 73 IRC, 367 sending files, 73 IME, defined, 217 import process, for digital photos, 247 Impress (OpenOffice.org) presentation application, 231 indicator applet, 69 inkjet printer, scanned image resolution and, 208 *INSTALL* files, in source code packages, 186 Installer Team, 356 installing applications. See also applications; Software Installation window Art Manager, 133 Briscola, 180 by downloading a DEB package, 90 Firefox extensions, 62, 68-69

installing applications, *continued* fonts. See fonts from a PPA, 88 from a third-party repository, 86 from a website, 88 gpaint, 254 Inkscape, 255 multiple APT frontends open, 91 Phatch, 252 Picasa, 256 problems with, 399 pyWings, 176 RealPlayer, 271 requiring a password for, 340 selecting applications for, 81 selecting applications for installation, 82 tools for compiling from source, 185 Ubuntu Software Center, 80 uninstalling, 82 using APT-URL, 88 wallpapers, 131 with package Installer, 91 Xmahjongg, 188 installing Ubuntu, 16, 23 alternate CD, 377 booting from a CD, problems, 376 completing the installation, 23 disk space required, 14 downloading .iso disc image, 406 dual-boot, setting up, 20 from live CD, 19 in Windows via Wubi, 13 installer stops, 379 manually partitioning, 413 Migrate documents and settings screen. 22 on a netbook, 405 partitioning, 20 Prepare disk space screen, 20 problems with, 376 Ready to install screen, 23 reinstalling, to fix problems, 383 resizing partitions, 20 selecting keyboard layout, 20

selecting location, 19 single- or dual-boot setup, 16 using a USB flash drive, 405 warning message when writing changes to disk, 21 Who are you? screen, 22 Windows, installing on system with, 16 without a CD, 405 instant messaging. See IM (instant messaging) Intelligent Input Bus. See IBus (Intelligent Input Bus) Internet, troubleshooting connection problems, 388 Internet connections, 45 3G, 55 activating wireless card, 50, 51 broadband, ADSL and cable, 45 confirming that you're online, 46 dial-up connection, 53, 55 Evolution for email, 69 external dial-up modems, 54-55 Firefox browser, 62 hardware, 49, 50 high-speed connection setup, 46 identifying what type you have, 46 installing extensions, 62, 68-69 making available to all users, 48 mobile, 55 modem compatibility issues, 54 other applications, 77 other users can't connect, 393 Popup Manager, 62 releasing and renewing wireless connection, 52 tab feature, 60-61 Thunderbird for email, 70–71 types of, 45 wireless connection setup, 52 Internet Explorer, 50 Internet phone, Skype, 90 Internet protocol (IP), 48 Internet radio, Rhythmbox for, 268 Internet Relay Chat (IRC). See IRC (Internet Relay Chat)

Internet TV, 77 interpreter, 184 Intrepid Ibex, 10 IP (Internet protocol), 48 IP address, setting manually, 47 iPad, 289 iPlayer, BBC. See Flash iPod copying files to hard drive, 284 disabling auto-update, 280 filesystem formats, 280 problems writing to, 285 running Linux on, 289 iPod/iPhone disabling auto-update, 279-280 ejecting, 278 managing audio files with Rhythmbox, 282 mounting, 278 IRC (Internet Relay Chat), 367 channel, 368 conversation logs, 371 delays, 370 description, 367 etiquette, 370 Freenode, 369 further help with, 371 joining a channel, 368 nickname, 367 nickname, in Launchpad, 357 NickServ, 369 Pastebin, 371 registering a nickname, 369 shouting, 370 *#ubuntu* channel, 368 ISO file, downloading Ubuntu installer as, 406 .iso file extension, 109 ISO images burning to CD, 109 Mac OS X, 410 Windows, 410 creating an Ubuntu CD from, 377 creating your own, 110

ISO Recorder, 410 iTunes, copy restrictions, 280

J

jaggies, 255 Japanese input with IBus, 219–222 recommended input methods, 220 Jaunty Jackalope, 10 Java, 65 applications, running, 320 Java Runtime Environment, installing, 318 journaling, disabling on an iPod, 285

K

Kanji, 217 karma, 357 Karmic Koala, 10 katakana, 217 KDE, 148 kernel, 2 booting a previous version, 85 options, 377 panic, 380 problems caused when updating, 364 using an older version, 382 key, GPG, 86 keyboard layouts adding, 215 selecting during installation, 20 keyboard shortcuts copy, 97 cut, 97 for moving window between workspaces, 41 for Run Application panel applet, 31 paste, 97 keyloggers, 4 keymap, 215 killall command, 42

Kino

capturing and editing digital video, 300–301 for video editing, 299–300 installing, 300 special effects, 301–302 Timeline view, 301–302 Korean input with IBus, 219–222 recommended input methods, 220 Kubuntu, 10

L

LAN, for Internet connection, 46 language. See also multilingual environment choosing from live CD boot screen, 12 choosing when installing Ubuntu, 12 reading web pages or documents in foreign, 212 system display, 12 typing nonstandard characters, 213, 216 with Compose Key option, 213, 215 viewing system in another, 223 laser printer, scanned image resolution and, 208 Launcher Properties window, 34 Launchpad, 357 karma, 357 **PPAs**, 89 profile, 357 registering for an account, 357 reporting bugs, 359 /lib folder, 101 libdvdcss2, 293 license key for avast!, 346 Liferea RSS feed reader, 77 LinCity-NG, 314 linked file creating with the ln command, 171 removing, 183

Linux defined, 2, 3 filesystem, 100 for desktop computer, 4 kernel. See kernel need for protection, 340 nonprivilege mode, 340 on iPod, 289 reasons to use, 3, 4 reference sites, web resources, 422 security updates, 84 strengths, security, 339–340 Linux Multimedia Studio (LMMS), 274 Linux User Group (LUG), 372 live bookmarks, 62, 77 live CD. 7 booting from, 12 changes to the hard disk, 12 exiting, 12 running Ubuntu from, 12 via Wubi. 13 LMMS (Linux Multimedia Studio), 274 ln command, 171 local install of pyWings, 176 TrueType fonts, 143 LocalApps folder, moving pyWings folder to. 177 locate command, 167 locked AAC files, playing, 288 LoCo, 372 logging in automatically, 148 logging in to user accounts, 125 login language selecting in Language window, 224 selecting in login screen, 225 login screen beautifying, 146 customizing, 146 multilingual, 224 Ubuntu, 25, 26 low-level programming languages, 184 - 1851s command, 162

Lucid Lynx, 10 LUG (Linux User Group), 372 lyrics, Rhythmbox, 267–268

M

.m4p files, playing, 288 Mac OS X, burning Desktop CD ISO to CD, 410-411 machine code, 184 Macintosh, using Ubuntu on, 10 magazines, web resources, 424 Mail/Message Indicator on top desktop panel, 28 mailing lists, 371 make clean command, 185, 189 make command, 185, 188 make uninstall command, 189 makefile, 185, 187 malware, 339 MD5SUM, 376 /media folder, 101 membership, 357 memory card reader, for photo transfers, 244 memory, Linux minimum requirements, 9 Memtest86. 381 menu editor, 39-40, 359 menus on desktop adding contents to panel, 36 changing icons, 38 changing item order, 39 customization, adding menu contents to panel, 36 meritocracy, 357 microblogging definition, 74 Gwibber, 75 Twitter, 74 microphone, troubleshooting, 386 Microsoft Exchange server, 69 hackers, 365 Office, 227, 231 Windows Mail, 70 Miro. 303 Internet TV, 77

mkdir command, 163 mobile broadband, 55 modems, 55 connecting with a cable or DSL modem, 52 connecting with a dial-up modem, 53 external dial-up, 54 hardware modems, 54 internal, 54 serial, 55 **USB**, 55 Winmodems, 53 monitor, identifying, 8 Moonlight. See Silverlight motherboard, identifying, 8 mount point, 415 mounting Windows partition, 324 movie players, Totem as, 294 MP3 file format, 262 MPlayer Media Player, 388 MSN. See IM (instant messaging) multilingual environment, login screen, 224. See also language multisession CD, burning, 110 MuseScore for musical notation, 274 Music menu (Rhythmbox), Import Folder, 264 mv command, 163

N

names files during CD burn, Windows compatibility, 108 folders in Nautilus, 97 Nautilus (file manager), 94, 96, 109 adding shred command to, 351 as FTP client, 103 bookmarks for, 99 compressing and extracting files and folders in, 119, 121 copying files and folders, 97 create dummy file in, 119 create playlist for burning CD, 270 Nautilus (file manager), continued creating, naming, and renaming folders, 96 customization, 129-130 file and folder permissions within, 103, 105 hiding side pane in, 95 History view, 95 importing images with, 246 moving files and folders, 97 navigating through folders, 98 - 99network browser, 101, 105 opening window, 144 Places view, 95 shredding documents from within, 353 side pane, 95-96 tabbed browsing, 98 Tree view, 95 typing paths, 99 Nautilus Actions Configuration adding shred command to Nautilus with, 352 installation of, 351 Navigator window, 233 ndiswrapper, 391 netbook, installing Ubuntu on, 405 network, troubleshooting connection problems, 388 network browser, Nautilus as, 101, 105 network card 3G, 55 Ethernet, 46 laptop, 49-50 unsupported, 47 wired. 46 wireless, 49 Network Manager connecting to the Internet with, 46 establishing a mobile broadband (3G) connection, 55 establishing a wireless connection, 49 Network Manager Applet on top desktop panel, 27

Network Settings window, Ethernet connection, 47 network share creating in Ubuntu, 337 defined, 337 in Ubuntu, accessing from Windows, 338 Windows, accessing from Ubuntu, 337 network shares, 101, 337 news, Ubuntu, 371 news and information, web resources, 424 news feed, 62, 77 Nexuiz, 311 nickname, IRC, 367 NickServ, 369 non-responding windows, Force Quit button for, 30 Notepad (Windows), running under Wine, 330 NoteTab Light, installing, 330–332 NTSC discs, 293 nVidia graphics cards, 395 nyckelharpa, 60

0

.odp file extension, 232 .ods file extension, 232 .odt file extension, 232 Ogg Vorbis file format, 262 online resources. See web resources open source community, 355 developers, 356 hacker culture, 365 hobby, 365 meritocracy, 357 philosophy, 365 reasons for contributing, 355 OpenCity, 314 OpenOffice.org office suite, 227, 237 Calc, 228 Draw, 231 exporting document to PDF, 201 features, 232 Impress, 231

printing in, 201 special characters in, 213 toolbar buttons, 232 Writer, 228 OpenSonic, 88 OpenWeek, 374 operating system (OS), 2. *See also* Windows (Microsoft) /opt folder, 101 Outlook, Microsoft, 69

P

package cache, 398 Package Installer, 91 packages, 79. See also DEB packages backported, 363 dependencies, 79 installing single package files, 90 installing with apt-get command, 168 installing with aptitude command, 169 repositories, 79, 86 unauthenticated, 399 unofficial, 90 updates, 82 updating after bug fixes, 363 page layout applications Draw (OpenOffice.org) as, 231 Scribus as, 241 paint can button in Writer, applying styles with, 237 paint programs GIMP, 250 gpaint, 254 PalmPilot, 69 Panda Desktop Secure, 344 panels adding drawer to, 35 adding menu content to, 36 bottom desktop panel, 29 changing icons on, 34 on GNOME desktop customization, adding amusing applets, 31 top panel, 29 moving items on, 37

restarting, 42 top desktop panel, 27 panels on desktop, 26 adding menu contents to panel, 36 adding program launcher to drawer, 36 adding to desktop panel, changing icon, 34 changing launcher icons, 33 customization adding amusing applets, 31 adding program launcher, 31 - 33adding utility buttons, 30 changing program launcher icons, 34 top panel, 27 parallel port, for printer, 195 partitioning, 413. See also hard disk drives choosing a filesystem, 414 definition, 21 deleting a partition, 414 example disk layouts, 418 formatting, 416 free space, 414 house analogy, 21 manually partitioning, 413 primary and logical partitions, 415 resizing a partition, 20, 413, 416 shared partition, 418 types of, 416 when the changes are applied, 413 passwords, 17 access network share, 102 choosing during installation, 22 for email, 70 for software install, 340 Pastebin, 371 path, for executable files, 178 PCMCIA slot on laptop, 49 PDF AbiWord, 239 printing to, 201, 202 printing web page to, 201

penguin, 3 permissions changing, 104 changing from within the Terminal, 165 explained, 104 Home folder, 105 Nautilus, 103, 105 numeric representations explained, 165 problems with, 398 textual representation explained, 166 Personal Package Archive (PPA), 88 Phatch, 252 batch photo conversions, 252 how to use, 253 installing, 252 philosophy, open source, 365 photographs importing with F-Spot, 244 importing with Nautilus, 246 tagging with F-Spot, 249 Picasa, 256, 257 exporting images to, 247 installing, 256 Pico editor, 173 picture, adding to user account, 147 Pingus, 308 pinyin, 217, 220 PiTiVi for video editing, 297 how to use, 298 limitations, 297 Places menu, 27, 94 Places view of filesystem, 95 *.plan* file creating, 173 defined, 160 Planet Ubuntu, 372 PlayDeb game repository, 317 PlayOnLinux, tweaking Wine with, 332 plugins, 62 Flash, 63 Java, 65 Silverlight, 64

podcasting, 274 POP, 69 Popup Manager, in Firefox, 62 PostScript Printer Description (PPD) file, 199 power button on computer, 43 **PowerPCs** Ubuntu CD for, 410 using Ubuntu on, 10 PowerPoint, 231 PPD (PostScript Printer Description) file, 199 printers, 194, 201 auto-detecting, 194, 195 checking compatibility of, 194 clearing after canceling print job, 203 configuring manually, 196, 198 connection checking, 199 Linux support for, 194 setup, 194, 200 third-party drivers, 199 Windows drivers for, 199 without Linux drivers, 199, 200 printing caneling print job, 202 checking ink levels, 203 options, 200 PDF, 201, 202 printer maintenance, 203 scanned image resolution and, 208 privacy on IRC, 371 privileges, changing for user account, 124 problems. See troubleshooting program launcher adding to desktop panel, 31-33 adding to drawer, 35-36 adding to GNOME desktop panel, 179 changing icon, 34 for Briscola, 183 programming languages, 184–185 pwd command, 161 Python, 176

pyWings, 174, 180 creating launchable link for, 178 downloading, 176 extracting tarball, 177 moving folder to *LocalApps* folder, 177 moving to global location, 183 running, 178

Q

QCad, 258 QDVDAuthor, 303 questions, asking on IRC, 367 in Ubuntu Forums, 365 queued print jobs, window displaying, 202 Quit icon on top desktop panel, 29

R

RAM. Linux minimum requirements, 9 READ ME file, 181 read permission, 103 RealMedia streams, 271 RealPlayer, 271–272 recording audio, Audacity for, 275 Region 1 NTSC discs, 293 registration for Ubuntu Forums, 366 removing software, 82 repository. See software repository research on Web, for troubleshooting, 8 resolution for scanners, 207–209 restarting after installing security updates, 83 restricted drivers, 390 disabling, to fix problems, 380 installing, for wireless, 390 Rhythmbox, 264 adding songs to library, 264-265 album art in, 267 automatic playlists, 266 browsing library, 265–266 bug reported for, 362

burning audio CDs with, 269 creating playlists in, 266 display song lyrics in, 267 ejecting digital media devices from within, 285 for managing audio files on iPod/iPhone, 282 visualizer in, 268 rm command, 164 rmdir command, 165 root (/), 100 account, 18 partition, 416 router defined, 340 firewall in, 341 setup, 341 setup software, 341 RSS feeds, 62, 77 Rubrica, 81 Run Application panel applet, 31 Rhythmbox adding radio streams to, 268 digital media devices, 282 online stores via, 267

S

Samba, 103 Sandra, 8 Sane, 204 Save As dialog box, bookmarks in, 99 saving custom theme, 136 /sbin folder, 101 scanners, 204, 209 converting document to text, 206 resolution for, 207, 209 unregconized, troubleshooting, 207scanning with Simple Scan, 204 with XSane Image Scanner, 205 Schnapsen, 318-320 screen blank, 396 resolution, problems with, 395 screensaver, selecting, 149

screenshots, taking with key combinations, 150 with Screenshot application, 150 in Totem, 295 **ScribeFire** downloading and installing, 67, 69setup, 68-69 Scribus, 241 scripts, 184 searching for files, 402 in Firefox web browser, 60 security, 339 avast!, 346 ClamAV, 344, 346 of software repositories, 88 router for, 340, 341 security updates. See also updates checking for, 83 downloading in the background, 84 frequency, 83 installing automatically, 84 stability, 363 time taken to release, 363 troubleshooting, 84 with Update Manager, 82 selecting as default application for, 282 Self-Appointed Benevolent Dictator For Life (SABDFL), 6, 356 serial port and connector, 55 Session Indicator on top desktop panel, 28 share, explained, 101 shared folder disabling, 338 setting up, 337-338 shareware, 4 sharing files for dual-boot systems, 418 shell, explained, 159 shouting on IRC, 370 shred command, 350 selecting from within Nautilus, 353

using graphically, 351 vs. rm command, 350 shutting down, 43 Shuttleworth, Mark, 6, 356 side pane in Nautilus (file manager), 95–96 Silverlight, 64 Sim City (Micropolis), 314 Simple Scan, scanning with, 204 Skype, 90 Slideshow, Impress for, 231 slow computer, 401 SMTP, 69 social networking. See Gwibber social client software. See also applications; installing applications adding extra repositories, 86 checking what is installed, 80 developers, 356 finding the version number of, 361 getting the latest versions from PPAs, 90 home-brewed, 89 information out of date, 87 packages, 79 searching for, 81 uninstalling, 82 software bugs. See bugs Software Center. See Ubuntu Software Center Software Installation window, in Firefox, 67. See also installing applications software repository, 79 adding, 86 GetDeb, 86 **PPAs**, 88 reloading, 87 security, 88 third-party, 86 Software Sources enabling unsupported updates, 363 using to add software repository, 86

sound. See also audio checking speakers, 385 checking the sound card is detected, 385 codec. 387 fixing problems with, 384 formats, 387 microphone, 386 no sound, 385 problems with, in Skype, 91 volume, 385 Sound Converter, 81, 287 Sound Recorder, 387 source compiling programs from, 184, 189 defined, 184, 185 speakers, checking, 385 spreadsheets, Calc (OpenOffice.org), 228 SSID, 393 stamps in Tux Paint, 260 StartUp-Manager boot options with, 327 installing, 327 status, instant messaging, 73 Sticky Notes, 239 sticky threads, 366 streaming media, with Rhythmbox, 269 Streamtuner, 272 sudo command, 167, 182 sudo make install command, 185, 188 sudo rm command, 189 support. See help swap partition, 417 Sysinfo, 82 system fonts, customization, 141–142 information, 82 memory, checking for errors, 381 packages, 84 recovering after a problem, 85 System menu, 27 Art Manager, 133 Quit, 125

System Monitor, 35–36, 401 System76, 372

T

tab feature Firefox. 60 for Terminal sessions, 191 Nautilus, 98 tags attaching when importing images, 244 creating new, 249 searching for images by, 250 tagging photographs with F-Spot, 249 tar command, 171, 173 tarball. 119 adding file to, 172 extracting, for Briscola, 181 Tcl scripting language, 180 Technical Board, 356 temporary files, recovering, 403 Terminal, 35. See also command line backgrounds for, 189 basics explained, 157–158 change font colors in, 191 changing directories from within, 163, 164 changing permissions from within, 165 closing with the exit command, 162 commands apt-get, 168 aptitude, 169 calendar, 162 cd, 163, 164 chmod, 165, 167 cp, 164 df, 161 exit, 162 finger, 160 gunzip, 173 gzip, 173 ln, 171 locate, 167 1s, 162

Terminal. continued commands. continued mkdir, 163 mv, 163 pwd. 161 rm, 164 rmdir, 165 sudo, 167 tar, 171, 173 touch, 163 updatedb, 168 wget, 180 customization, 189, 191 tabbed shell sessions, 191 transparent background for, 190 test page printing, 195 text conversion, for scanned document. 206 text editors AbiWord, 238 Gedit, 221 themes Gallery, 234 GNOME desktop, 134, 136 in OpenOffice.org, 234 saving custom, 136 third-party drivers, for printers, 199 thread. 366 Thunderbird for email, 70–71 Tips system in OpenOffice, 232 Tk. 180 Tkinter explained, 176 installing, 176 Tomboy, 240 Tools menu (Firefox), Add-Ons, 67 Torcs, 316 Torvalds, Linus, 2, 365 Totem movie player, 293, 295 audio player, 294–295 playing DVDs, VCDs, and multimedia files, 294 screenshots in. 295 touch command. 163 Tracker search tool, 402 transparent background, for Terminal, 190 trash, 119, 397

Trash icon adding, 139-140 on bottom desktop panel, 29 Tree view of filesystem, 95 Tremulous, 311 troubleshooting, 375. See also help after security updates, 84 audio and video codecs, 387 boot problems, 380 checking for memory errors, 381 checking the sound card is detected, 385 crashes, 401 deleting a file, 398 dial-up Internet connections, 54 display problems, 394 with X11, 396 display, blank, 396 dpkg errors, 399 Firefox web browser, 400 freezes. 380 games, 394 getting help in Ubuntu Forums, 365 getting help on IRC, 367 graphics, 394 graphics problems, 394 hard disk, full, 397 installation problems, 376 installing software, 399 Internet and network connections, 388 Internet connection, 46 kernel panic, 380 microphone, 386 modems, web resources for, 54 permissions, 398 printer setup, 199-200 program won't start, 401 programs, 400 recovering if Ubuntu will not start, 85 reinstalling Ubuntu, 383 rescue mode, 382 research on Web for, 8 screen looks the wrong size, 395 screen resolution, 395

screen, blank, 396 slow computer, 401 sound, 384 sound doesn't work, 385 updates, 400 video, 384 waking up the computer, 396 Windows boot problems, 383 Windows disk checking, 384 wireless card, checking that it's recognized, 389 wireless connection. 51 networks, 388 installing Windows drivers, 391 no networks found, 392 TrueType fonts installing globally, 145 installing locally, 143 Tux (penguin), 3 Tux Paint, 260 TV on the Internet, 77 Twitter, 74 @ sign, 76 follow, 75 followers, 74 messaging other users, 76 replying to a tweet, 76 retweets, 76 signing up, 74 tweets, 74 *#ubuntu* hashtag, 372 what's the point?, 74 with Gwibber, 75 typing nonstandard characters, 213, 216 adding keyboard layouts to, 215 Compose Key option, 213, 215

U

#ubuntu IRC channel, 368 Ubuntu advantages, 6, 7 Code of Conduct, 357 community, 355, 372 contributing, 357, 373 defined, 5, 6

founder, 356 installing, 16, 23 IRC channel, 368 local teams, 372 LoCo team, 372 login screen, 25-26 mailing lists, 371 membership, 357 news, 371 number of users, 356 on Twitter, 372 OpenWeek, 374 release names Breezy Badger, 10 Dapper Drake, 10 Edgy Eft, 10 Feisty Fawn, 10 Gutsy Gibbon, 10 Hardy Heron, 10 Hoary Hedgehog, 10 Intrepid Ibex, 10 Jaunty Jackalope, 10 Karmic Koala, 10 Lucid Lynx, 10 Warty Warthog, 10 running directly from live CD, 12 sharing ideas on how to improve, 364 stickers and other merchandise, 372 teams, 356, 373 Technical Board, 356 via Wubi, 13 Ubuntu Desktop CD burning ISO images to CD, Windows, 410 downloading ISOs, 409, 411 for AMD64 and Core 2 Processors, 409 in Windows, 410 ordering, 411, 425 Ubuntu Forums, 365 asking a question, 367 beans, 367 registering, 366 replying to a post, 366 searching, 366 starting a thread, 367

Ubuntu Netbook Edition, 10 Ubuntu partition, accessing from within Windows, 325 Ubuntu Software Center, 80 installing applications with, 80 selecting applications for, 81, 82 Ubuntu Studio, 10 Ubuntu Weekly Newsletter, 372 ubuntu-users, 371 Ultimate Coffee Grinder, 367 Unable to lock the administration directory error message, 400 unauthenticated packages, 399 uninstalling Wubi installation of Ubuntu. 16 uninstalling software, 82 unmounting Windows partition, 325 Update Manager, 82, 83, 363 updatedb command, 168 updates. See also security updates fixing broken updates, 400 proposed, 363 to fix bugs, 363 unsupported, 363 updating file and directory database with updatedb command, 168 upgrades to system, with Update Manager, 82-83 upstream, 363 **USB** devices flash drive, installing Ubuntu with, 405 printer, 194 storage devices, 112 user accounts adding picture to, 147 changing privileges, 124 creating, 124 finger command for information about, 160 logging in to, 125 usernames. 17 access network share, 102 choosing during installation, 22 users, number of Ubuntu, 356 /usr folder, 101 USRobotics modem, 55

utility buttons, adding to desktop panel, 30, 31

V

vector images, 255 video applications for, 293, 297, 299, 303 codecs, 387 digital cameras, 301 DVDs, 291 player, VLC, 296 support for different formats, 387 Totem movie player, 293, 295 video calls, 73 video card, identifying, 8 video editor Kino as, 299, 300 PiTiVi as, 297 videos, watching online, 63 View Menu (Nautilus) Side Pane, 95 virtual desktops, 40, 41 virtual machine defined. 334 installing Windows in, 336, 337 running with VirtualBox, 335 VirtualBox, running virtual machine with, 335 visual effects, customizing, 151 visualizer Rhythmbox, 268 Totem, 294–295 VLC media player, 388 video player, 296 Voice over IP, Skype, 90 volunteers, 373 artists, 373 Bug Squad, 363 local teams, 372 marketers, 373 multilinguists, 373 to implement ideas, 365 volunteering, 373 writers, 373

W

waking up the computer, 396 wallpaper, installing, 131 Wanda (applet), 31, 42 WAP (wireless access point), 50 Warty Warthog, 10 Warzone 2100, 313 WAV file format, 262 web browser. See Firefox browser web pages in foreign languages, 212 printing to PDF, 201 Writer. 228 web resources applications, 424 blogs, 423 checking Windows application compatibility with Wine, 330 downloading from free sites, 424 DVD Easter eggs, 41 fonts, 424 for Ubuntu Desktop CD, 411 forums, 421 free fonts, 143 hardware compatibility issues, 423 ISO Recorder, 410 Linux printer support, 194 Linux reference sites, 422 magazines, 424 modem troubleshooting, 54 MP3 streams, 268 news and information, 424 on card games, 320 online games, 321 printer drivers, 199 scanner support, 204 Windows applications, Linux equivalents to, 329 wireless connections, 423 webcams Camorama for, 303 Cheese for, 303 WEP (Wired Equivalent Privacy), 51 wget command, 180, 186 whoami command, 158 Wi-Fi Protected Access (WPA), 51 Wikipedia, meaning of ubuntu in, 6

wildcard character, use of * (asterisk) as, 177 window backgrounds, changing, 127 window controls changing appearance of, 136 installing additional, 136–137 Window List icon on bottom desktop panel, 29 window managers, 2 Window Selector applet, 138 Windows (Microsoft). See also operating system (OS) bootloader, 16 disk space required by, 417 failure to boot into, 383 filename compatibility, 108 installing within Ubuntu, 334, 337 installing Ubuntu on system with, 13, 16 installing wireless driver for, on Ubuntu. 391 security vulnerabilities, 339 Wine for running applications, 329, 331-332 Windows applications easing installation with PlayOnLinux, 332 Linux equivalents to, 329 running in Ubuntu with Wine, 329, 331-332 running with Wine, 330 Windows core fonts installing, 326 installing from Windows partition, 326–327 windows backgrounds for, 127 changing appearance of, 136 in GNOME desktop backgrounds for, 128 changing appearance, 134 minimizing all open, 29 Windows Live. See IM (instant messaging) Windows partition installing fonts from, 326, 327 mounting, 324 unmounting, 325

Wine, 329-332 Winmodems, 53 Wired Equivalent Privacy (WEP), 51 wireless checking that the card is turned on, 389 connection activating wireless card, 50-51 checking that wireless card is turned on, 51 disabling, 51 entering WEP/WPA passphrase, 50 hardware, 49, 50 refreshing, 51 releasing and renewing wireless connection, 52 setup, 52 supported wireless cards, 50 web resources, 423 hidden networks, 393 installing drivers, 390 installing Windows wireless drivers on Ubuntu, 391 ndiswrapper, 391 no networks found, 392 troubleshooting connection problems, 388 turning on and off, 392 wireless access point (WAP), 50 WMV files, Totem for playing, 294 word processors, 228. See also text editors Workspace Switcher on bottom desktop panel, 29 Wormux, 313 WPA (Wi-Fi Protected Access), 51 write permission, 103 write-protected folders, using sudo command to perform tasks within, 167 Writer (OpenOffice.org), 228 Wubi, 13, 16

X

X Window System, 2 XCF file format, 252 XChat, 367 Xfce, 148 Xmahjongg compiling and installing, 187, 188 configure and make for, 187, 188 downloading and extracting file, 185 installing, 188 running, 188 XSane Image Scanner, 204–206 Xubuntu, 10

Y

Yahoo! Messenger. See IM (instant messaging) YouTube, 63

Z

Zip files, 119 Zoom Telephonics, 55