## Index

Note that you can download the PDF file for this book from **www.hentzenwerke.com** (see the section "How to download files" at the beginning of this book). The PDF is completely searchable and will provide additional keyword lookup capabilities not practical in an index.

Special Characters	anacron service script, 53
* (asterisk)	Apache Web server, 39, 57
deactivating users, 110	apmd service script, 53
with <b>rpm</b> command, 51	asterisk (*)
in Samba configuration file, 116	deactivating users, 110
\ (backslash character), continuation of	with <b>rpm</b> command, 51
commands, 147	in Samba configuration file, 116
>> (double forward directional arrow), with	at command, 247
quotation marks, 147	atd service script, 53
% character, mounting directories, 143	auth methods variable, 289
%m variable, 87	authentication
. (period), hidden directories, 143	configuring, 30, 33–34
# (pound sign), with logrotate script, 245	definition, 29
; (semicolon)	Microsoft user database, 114
activating tags, 95	Samba, 34, 71–72, 287
for comments, 84	Authentication Server, 72
' (single quotation marks), in .bash profile, 147	Authoring and Publishing package group, 37
\$SHELL value, 247	autofs service script, 53
<b>\$USER</b> variable, 147	autorun command, 49
32-bit Microsoft Windows operating systems,	
59	В
4Suite package, 200	backslash (\) character, continuation of
5, in commands, 254	commands, 146, 147
5G command, 242	Backup Domain Controllers (BDCs), 88, 262
•	bad blocks, 23
Α	"balanced trees" concept, 11
a command (vi), 242	bash shell, 145
A command (vi), 242	.bash_profile configuration file, 146
a2ps package, 200	BDC (Backup Domain Controller), 88, 262
Account Info settings, 109	Berkeley Standard Distribution (BSD), 87
ACL (Access Control Lists), 79, 123, 287	/bin directory, 10
Active Directory support, in Samba 3.0, 287	bind (Berkeley Internet Name Domain), 39
adapter, 158	bind interfaces only variable, 81
add group script command, 289	BIOS clock, 30
add machine script command, 289	Block grace period, 132
add user script command, 113–114, 289	/boot directory
add user to group script command, 289	dual-boot configuration, 14
Administration Tools package group, 37, 38	function, 10
administrative account, 105–106. See also root	mounted separately, 23
password	boot floppy, 24, 27, 31
allowable drives, 22	boot loader, 15–16, 25–26, 40
Amanda (Advanced Maryland Automatic	boot process, 127–128, 250–256
Network Disk Archiver), 39	broadcast address, 90-91
retwork Disk rueniver, 37	browse list, synchronizing, 90–91

browse master elections, 91–92	cups package, 200
browse options, SWAT, 77–78	cups service script, 54
	cups system, 87
С	cw command (vi), 242
caching-nameserver, 39	
cameras, information resource, 6	D
case sensitivity	daemons, 2
file names, 12	DARPA (U.S. Defense Advanced Research
passwords, 88	Projects Agency), 11
Samba, 93, 229	data corruption, 12
cat command, 236	date and time settings, 41
<b>cd</b> command, 232–233	dd command (vi), 242
central storage, 1	deactivating services, 56–57
chkconfig command, 57	deactivating users, 110
chmod command, 129, 249	Debian Linux, 4
chown command, 123	dedicated printer, 100–101
CIDR (Classless Inter Domain Routing), 90	default case variable, 93
CIFS (Common Internet File System), 60	delete user from group script command, 289
CIPE (Crypto IP Encapsulation), 39	/dev directory, 10
Classless Inter Domain Routing (CIDR), 90	Development Tools package group, 37
client, 158	DHCP (Dynamic Host Configuration Protocol)
Client/Server Password Management submenu,	29, 33, 169–171
84	directories. See also files; partitions; shared
"command not found" error, 19	directories
command-line interface	by client, 101–102
accessing, 44	common directory, 98
advantages, 35	copying all files in, 248–249
checking settings, 261	file systems mounted on, 256
configuring Samba users, 112	group directory, 98–99
documentation, 52	hidden, 143
managing users and accounts, 106	home directory, 10, 14, 107
viewing networks, 62	mounting, 135, 139-142, 255-256
commands. See specific command names	organizing, 9–11
comment command, 99	permissions, 95
comment variable, 74, 94	private, 101
comments	structure, 230–232
identifying network share, 96	disabling
in Linux configuration files, 84	encryption, 157
common directory, 98	firewalls, 31
Common Internet File System. See CIFS	signatures, 186
computer accounts, configuring, 113–114	Disk Druid tool
computer names, 61	adding or editing partitions, 21–23
<b>cp</b> command, 237, 238	alternative to FDISK.EXE, 18
crackers, 26, 39, 96	DNS (Domain Name Service), 29
cron daemon, 247	DNS Name Server package group, 37
cron scheduler, 243–245	dns proxy, 78
crond service script, 54	DNS Settings, TCP/IP Settings dialog, 178
CUPS (Common Unix Print System)	domain
configuration files, 201	connecting to, 137, 159–161, 171–172,
configuring printers with, 206–211	179, 188
installing, 199–201	joining, 180
versions, 48	re-entering user names and passwords, 194

viewing, 140	F
domain authentication, 71	fdisk command, options, 19-21
domain logons command, 119	fdisk, Linux version, 17
Domain Master Browser, 59	FDISK.EXE command, 18–21
domain master command, 119	Fedora Linux, 199
Domain member server, 295–298	Fedora Rawhide, 40, 48, 287
domain network logons, 95–96	File and Print server, configuring, 59
Domain share, 165–166, 173, 191	file management commands, 235–241
domain users, PDCs, 114–120	file names
double forward directional arrow (>>),	case sensitivity, 12
with quotation marks, 147	in Samba 3.0, 287
downloading	file permissions, 95, 121–122
hardware information, 6–7	file servers. See also server file system;
Red Hat Linux 9, 3	Web servers
driver floppies, 27	basic functions, 1
drivers, finding, 7–8	File and Print server, 59
dual-boot configuration, 14, 251	hardware considerations, 1
-	Kerberos 5, 289
E	samba-2* RPM server package, 136
echo command, copying information, 147	setting up domain users
editing	Microsoft user database, 114–118
partitions, 21–23	Samba PDC database, 118-120
print queue, 205–206	setting up users
Editors package group, 36, 49	considerations, 105–106
edquota command, 127, 132–133	file and directory management, 121–123
empty space, after adding partitions, 22	Linux groups, 123–127
encrypt passwords command, 119	Linux user and group accounts, 106–111
encrypt passwords variable, 82, 88, 92	quotas, 127–133
encrypted passwords, 30, 33, 72, 88, 106,	Samba users, 111–114
288–289	SMB, 34
encryption, Windows 95, 92, 156–157	WINS, 111
Engineering and Scientific package group, 36	file sharing
error messages	passwords, 167
"Access is denied" error, 193	for workgroups, 1
"Command not found" error, 19	file system type, 22
smbmount command, 249	files. See also directories; log files
"Subsys locked" error, 137	adding information to end of, 241
Esc command (vi), 242	copying, 248–249
/etc directory, function, 10	creating and deleting, 237–241
/etc/crontab command columns, 245	hidden, 144
/etc/fstab command columns, 256	installation, 248–249
/etc/fstab configuration files, 135	organizing, 9–11
/etc/group directory, 110	reading, 236–237
/etc/gshadow directory, 110	filesystem format
/etc/inittab directory, 253–255	selecting, 11–15
/etc/passwd directory, 110	terminology, 18
/etc/samba directory, 67	Filesystem Hierarchy Standard (FHS), 4, 8, 9–11
/etc/shadow directory, 110, 260–261	Filesystem, verifying, 132
ext2 filesystem format, 11, 12	filesystems, mounted on directories, 256
ext3 filesystem format, 11, 12	find command, 235–236
extended partition, 8	Finger utility, 39
entended purtition, o	FIPS.EXE command, 15–17

Ø 11	1
firewalls	logging in at, 254–255
configuring, 26, 31–33, 178	managing services from, 64–65
default services, 32–33	modules, 2
definition, 29	opening smb.conf file, 85
Samba servers, 66, 68–70	
security levels, 31–32	Н
FireWire (IEEE1394), information resource, 6	halt service script, 54
First Boot process, 29, 40–43	hard disk space. See also partitions
First Interactive Partition Splitter, 15–16	configuring, 19–20
firstboot command, 43	minimum requirements, 5
firstboot service script, 54	hash mark (#), for comments, 84
font utilities, 200	head command, 237
FQDN (fully qualified domain name), 78	hex codes, Linux partition types, 19
fragmentation, Microsoft Windows, 14	hidden files, 144
Free Software Foundation, GNU (GNU's Not	hide special files variable, 289
Unix), 2	hide unwritable files variable, 289
FTP (File Transfer Protocol), 29, 33	high-security firewall, 31
FTP server, 28	"high-speed" connections, 26
FTP Server package group, 37	/home directory, 10, 11, 13–14
functions service script, 54	Home menu, SWAT, 76
	HOME variable, 244
G	hosts allow variable, 70, 77, 78
G command (vi), 242	hosts deny variable, 70, 77, 78
Games and Entertainment package group, 37	HOWTO documents, Linux Documentation
gateways, 32	Project, 149
getent passwd command, 117	hpijs package, 200
ghostscript package, 200	HTTP (HyperText Transfer Protocol), 29, 33
Globals menu, SWAT, 76–78	HTTP server, 27
GNOME Desktop Environment	httpd service script, 54
as login terminal, 255	
package group, 36, 38	I
text editor, 142, 144, 145	i command (vi), 243
GNOME (GNU Network Object Model	IDE hard disk, partitions, 8
Environment), 43–44	idmap gid variable, 288
GNOME Software Development package	idmap uid variable, 288
group, 37	info grub command, 250
.gnome2 directory, 143	init 5 command, 43
GNU/Linux operating system, 2	/initrd directory, 10
gpm service script, 54	installation source, 249–250
grace periods, quotas, 132	interfaces variable, 81
Graphical Internet package group, 36, 38	InterNetNews, 39
Graphics package group, 37, 39	IP addresses
Greenwich Mean Time, 30	in Samba configuration file, 116
group configuration files, 110	as wildcards, 86
group directory, 98–99	IP Settings, TCP/IP Settings dialog, 178
Groups settings, 109	iptables RPM, 68, 70
GRUB boot loader, 15–16, 25–26, 40, 250–252	iptables service script, 54
Guest Account, 72	irda service script, 54
guest account variable, 95	isdn service script, 54
GUI (graphical user interface)	Juli Service Seript, 5 1
Linux login batch files, 143–144	

K	partitions, 4, 8-9, 13-15
kdcrotate service script, 54	remaining steps, 30–31
KDE Desktop Environment package group,	Linux permissions, 121–122
36, 37	linux rescue command prompt, 259–260
Kerberos 5 server, 33, 289	Linux workstations
Kernel Development package group, 37	configuring Samba client packages, 136
kernels, size considerations, 14	connecting to a domain, 137
keyboard, minimum requirements, 5	considerations, 135–136
keytable service script, 54	finding shared directories, 137–139
kill-9 PID command, 64	Linux login batch files, 143–147
killall service script, 54	Linux PDC and Linux Domain member
kill-HUP PID command, 64	server, 151–152
kudzu service script, 54	on a Microsoft Windows Domain, 135
• '	mounting directories, 139–142
L	peer-to-peer Workgroup, 147–149
LABEL command, 255	setting up accounts, 149–150
LAN (Local Area Network)	Windows PDC and Linux Domain server
browse master, 91	150–151
definition, 30	lmhosts file, 67, 84
Linux installation and, 44	load printers command, 214
laptop computers, information resource, 6	local master command, 119
LDAP (Lightweight Directory Assistance	locate command, 235, 236, 246–247
Protocol)	locking user accounts, 260–261
BDC (Backup Domain Controller) as,	log files
262–263	primary, 196–197
database of user names and passwords,	rotated, 245
151	workstation, 197
definition, 33	logical extent (LE), 18
passwords, 149	logical partition, 8
less command, 237	logical volume (LV), 18
	login name, 107
/lib directory, 10	login scripts, 145
Lindows, availability, 4 Linux distributions, 2, 4. <i>See also</i> Red Hat	login shell, 107
Linux distributions, 2, 4. See diso Red Hat	logon path command, 119
	logon path variable, 120, 155
Linux Documentation Project, 149	logon scripts, 119–120, 154–155
Linux extended filesystems, 11 Linux groups, 123–127	logon script variable, 92
Linux installation. <i>See also</i> file servers;	logrotate script, 245, 246
software installation	lokkit command, 68–70
authentication, 33–34	/lost+found directory, 10
checking for bad blocks, 23	LPD (Line Print Daemon)
coexisting with Microsoft Windows, 12, 14	alternatives, 201
documentation, 42	installing, 199
filesystem format, 11–15	lprng system, 87
hardware	<b>Is</b> command, 233–235
checklist, 6–7	LVM (Logical Volume Management), 9, 13,
considerations, 4	18, 24
drivers, 7–8	,
minimum requirements, 5–6	M
local, 24–26	MAILTO command, 244
network, 26–28	Make RAID Device dialog, 23
1161WUIK, 20-20	Mandrake Linux, availability, 4
	mandiane Linux, availability, 4

map acl inherit variable, 289	network cards, 7, 26
MDS passwords, 33	Network ID, 189
medium-security firewall, 31	network interfaces, 90
memory (RAM), minimum requirements, 5	Network Logon Service, 95
Microsoft user database, 114–118	Network Neighborhood, 61, 86
Microsoft Windows	network printers. See shared printers
CIFS (Common Internet File System), 60	network properties, Windows 2000
coexisting with Linux, 14	Professional, 178
dual-boot option, 15	Network Servers package group, 37
Network Neighborhood, 61, 86	network services, 2, 39–40, 54, 179
NTFS partition and, 12	News Server package group, 37
RAWWRITEWIN.EXE utility, 24	NFS (Network File System), 30, 61, 63
user categories, 181	NFS server, installing Red Hat Linux, 27
Windows XP Home Edition, limitations,	nfs service script, 54
186	nfslock service script, 54
Microsoft Windows Domains, running Linux	NIS (Network Information Service)
workstations, 135	configuring, 33
Microsoft workstation. See Windows	database of user names and passwords, 151
workstations	definition, 30, 39
Windows XP Professional	passwords, 149
configuring, 186–192	slave servers, 262
migration, in Samba 3.0, 288	nscd service script, 54
/misc directory, 10	nsswitch.conf file, 115
<b>mkdir</b> command, 237, 240	NT Boot Loader, 253
/mnt directory, 10	NTFS partition, 12, 15
mobile devices, information resource, 7	NTP (Network Time Protocol), 41
modems, information resource, 7	ntpd service script, 54
monitor, 5, 31	
monitoring system processes, 65	0
more command, 237	
mount command, 128	o command (vi), 243
mount point, 18, 22, 174	O command (vi), 243
mounting directories, 135, 139–142, 255–256.	Office/Productivity package group, 37, 38
See also shared directories	only guest command, 102
mouse, minimum requirements, 5	openss RPM, 89
mv command, 237, 239	operating systems, 61
My Network Places, 61–63, 86	/opt directory, 10
MySQL, 39. See also Apache Web server	os level command, 119
my SQL, 39. See also repaine web server	OSR2 passwords, 156–157
N	<b>D</b>
named service script, 54	P
Nautilus interface, 44, 139, 140–141	package groups, 35, 47
navigational commands, 230–235	Package Group Selection window, 39–40
<b>net</b> command, 193, 287, 288	PAM (Pluggable Authentication Module), 90
NetBEUI (NetBIOS Extended User Interface),	Partition Magic, 15
60	partitions. See also directories
netbios name command, 119	adding or editing, 21–23
netbios name variable, 81	checking, 19–21
NetBIOS (Network Basic Input Output System),	considerations, 4, 8 dual-boot option, 15
60, 116	
netfs service script, 54	for installing Linux, 12–13 Linux partition types, 19
NETLOGON share, 95	naming, 8–9
·	1141111115, 0 /

splitting, 15–17	Primary Domain Controller (PDC), 2, 88, 105,
strategies, 11	287, 291–295
typical scenarios, 13–15	primary log files, 196–197
passdb backend variable, 289	primary partition, 8, 15–16, 23
passwd command, 89, 107	print queue, 205–206
Password Info settings, 109	printcap name command, 214
Password menu, SWAT, 76, 83–84, 89	Printer System Switcher, 201–202
password server variable, 82, 137	printers. See also CUPS; LPD; shared printers
passwords	browsing for, 220
case sensitivity, 88	configuring, 199, 201–206
changing, 89	dedicated, 100–101
CUPS, 207	information resource, 7
encrypted, 30, 33, 72, 88, 92, 106, 288–289	installed, 86
invalid, with Samba, 196	shared, 94–102, 138 switching, 201–202
LDAP, 149 MDS passwords, 33	Printers menu, SWAT, 76, 79–80
MDS passwords, 33 NIS, 149	printing command, 214
peer-to-peer Workgroup, 167	Printing Support package group, 37, 38
policies, 260–262	private directories, 101
root password, 30, 105	private groups, 108, 109, 123–124
in Samba 3.0, 288–289	/proc directory, 10
Samba users, 112–113	protocol, 158
for sharing files, 167	ps aux command, 65
SWAT, 83–84	ps command, 65
Windows 95, 156–157	PV (physical volume), 18
Windows 98, 166	pwd command, 232
Windows ME, 166–167	PXE (Pre-booot eXecution Environment), 39
PATH command, 244	
<b>path</b> variable, 96, 97, 102	Q
pcguest user, 87	:q command (vi), 243
pemeia service script, 54	:q! command, 242, 243
PDC (Primary Domain Controller), 2, 88, 105,	quota RPM, 127
287, 291–295	quotas
peer-to-peer Workgroup, 87, 147–149, 185	activating, 132–133
Pentium class CPU, minimum requirements, 5	boot process, 127–128
percent (%) character, mounting directories, 143	configuration files, 128–129
period (.), hidden directories, 143	configuring groups, 131
permissions	configuring users, 129–131
default, 122	considerations, 127
directories, 95	grace periods, 132
file, 121–122	
Linux, 121–122	R
physical extent (PE), 18 physical volume (PV), 18	RAID (Redundant Array of Independent or
PID (Process IDs), 64	Inexpensive Disks), 9, 13, 18, 23
Pluggable Authentication Module (PAM), 90	RAID 0, 23
POP3 (Post Office Protocol), 30	RAID 1, 18, 23
portmap service script, 54	RAID 5, 18, 23
Postfix service, 39	RAID device, 18
postgreSQL, 39. See also Apache Web server	RAID Options dialog, 23
PostScript printer driver, 205	random service script, 54
preferred master command, 119	Raw Print Queue, 213
*	rawdevices service script, 54

RAWWRITEWIN.EXE utility, 24	Red Hat Printer Configuration utility, 202, 212,
reading files, 236–237	225–227
reading service scripts, 55	Red Hat Samba Configurator, 70–75, 111–114, 125
realm command, 289	Red Hat User Manager, 106–111
Red Hat Documentation, 42	redhat-config-languages utility, 26, 30
Red Hat Enterprise Linux, versions, 3	redhat-config-printer package, 200
Red Hat Linux. See also Disk Druid tool; file	redhat-switch-printer command, 201
servers; Linux installation; software	registry files
installation	disabling encryption, 157
administrative tools	disabling signatures, 186
managing installation files, 248–250	ReiserFS filesystem, 11
managing the Linux boot process,	reiserfs filesystem format, installing Linux, 12
250–256	remote browse master, 90–91
regular user tasks, 260–263	renice command, 246
rescue mode, 257–260	repetitive tasks, script, 243
boot loader, 15, 25–26	repquota command, 127
boot rocess, 250–256	rescue mode, 257–260
configuring, 33	RESTORRB.EXE command, 16
default GUI, 43	Retrieval/Installation settings, 45
directories, 10–11	RHCE (Red Hat Certified Engineer), 229
distributions, 3	RHN. See Red Hat Network
"extra" software, 53	
First Boot process, 29, 40–43	rhnsd service script, 54
GNOME (GNU Network Object Model	rmdir command, 237, 239–240
Environment), 43–44	roaming profiles advantages, 96–98, 120
GUI login screen, 42–43	
installing, 24–28	setting up, 161–162 Windows 2000 Professional, 182
package groups, 35–37	The state of the s
private groups, 108, 109, 123–124	Windows NT/2000/XP, 182
quota RPM, 127	Windows NT 4 Workstation, 172–173
RAID versions supported, 18	Windows XP Professional, 190–191
redhat-config-languages utility, 26	/root directory, 10
rescue mode, 257–260	root password, 30, 105–106
	root password, 207
runlevels, 57	root user, 11, 110
Server installation, 25	rootnotify command, 253
special groups, 124–127 starting, 253–255	RPM. See Red Hat Package Manager
UID (user individual ID), 66	<b>rpm</b> command, 48, 50–52, 200
upgrading, 25	RSH (remote shell), 40
Red Hat Linux 9	runlevels, 57, 253–255
downloading, 3	run-parts command, 244
installing, 48–50	_
samba-2* RPM server package, 136	S
, ,	Samba. See also SWAT
text editor, 49	authentication, 34
Red Hat Linux Update Agent, 45–47, 48 Red Hat Network (RHN)	case sensitivity, 93
	client packages, 136
installation, 44–47	configuration files, 46, 115–116
registering with, 42, 44	configuring, 59, 63
subscription, 3 Red Hat Package Manager (RPM), 4, 29, 48.	connecting to a Linux print server, 222-224
See also Samba servers	documentation, 48
see aiso samoa servers	file servers 111–114

logs, 196–197	<b>security</b> variable, 71, 81, 87–88
PDC database	semicolon (;)
Printer Configuration utility, 202	activating tags, 95
process management, 64	for comments, 84
sample configuration files	sendmail, 40
Domain member server, 295–298	sendmail service script, 54
Primary Domain Controller (PDC),	server authentication, 71
291–295	Server Configuration Tools package group, 37, 38
syntax, 195–196	server file system
user accounts, 111–114	Samba Server Configuration tool, 59
variables, 81–82	server types, 80
Samba 3.0	user categories, 65–66
new features, 287–288	variables, 81–82
new variables in configuration file, 288–289	Server installation, Red Hat Linux, 25
samba RPM package, 148	server string command, 119
Samba servers	servers. See file servers
configuring	Service Configuration utility, 56–57, 64, 68, 74
configuration files, 67–68	service scripts, 53–57
firewalls, 66, 68–70	shadow passwords, 33
getting Samba, 66–67	share variable, 148
global options, 86	shared directories. See also mounting directories
with Red Hat Samba Configurator, 70–75	browsing, 184
smb.conf file, 85	changing settings, 74
peer-to-peer Workgroup, 87	commands, 149
shared directories and printers, 94–102	connecting to, 150, 154–155, 162–164,
variables, 84–85	183–184
samba-2* RPM server package, 136	defining, 94–102
samba-client package, 136	files, 141
samba-common RPM, 84	finding, 137–139, 138
samba-common RPM package, 136	first-time connection, 183, 191
samba-swat RPM, 75	mapping to, 184
saslauthd service script, 54	mounting, 194–195
/sbin directory, 10	navigating to, 174
scanners, information resource, 7	security variable, 71
scripts	setup files, 142
migration, 288	user access rights, 166
for repetitive tasks, 243	verifying connection to, 145
service scripts, 52–57	on Windows-based networks, 135
SCSI hard disk, partitions, 8	shared printers. See also CUPS; LPD
seatengr command, 142	authorizing connections to, 226
seatengr password command, 142	configuring, 211–215
secrets.tdb file, 67	connecting to from workstations, 215–221
Secure Socket Layer (SSL), 89	defining, 94–102
security command, 119	over a network, 214–215
security issues. See also firewalls	packages, 199–201
encryption, 156–157	in Samba 3.0, 288
limiting access to networks, 86	share-level security, 149
NFS, 63	Shares menu, SWAT, 76, 78–79
Samba, 68–70, 288	SHELL command, 246
share-level security, 149	\$SHELL value, 247
SWAT, 77	SHELL variable, 243–244
updates, 48	

shells	SSH (Secure Shell), 30, 33, 40
definition, 2, 229	sshd service script, 55
navigational commands, 230–235	SSL. See Secure Socket Layer
SID (Microsoft-style security identifier), 67, 288	startup commands, 143
signatures, disabling, 186	Status menu, SWAT, 76, 82–83
Silicon Graphics (SGI), 12	subnet mask, 90
single quotation marks ('), in .bash profile, 147	"subsys locked" error, 137
single service script, 54	SuSE, availability, 4
size considerations, partitions, 22	swap filesystem format, installing Linux, 12
smb password file command, 119	swap partition, 9
SMB (Server Message Block) protocol, 30, 34.	swap partition, dual-boot configuration, 14
See also CIFS	SWAT (Samba Web Administration Tool).
smb service script, 54	See also CUPS
smb status command, 137	activating, 75
SMB Workgroup, 34	advantages, 59
smbadduser command, 90, 126, 140	browse options, 77–78
smbclient command, 138, 147	documentation, 75
smb.conf file, 67, 84, 85, 105, 116, 119	menu options, 76
smbd processes, 65	passwords, 83–84
<b>smbmnt</b> command, 142, 143	security levels, 77
smbmount command	security options, 77
adding to bash profile, 151	switches, <b>rpm</b> command, 52
adding to Sessions dialog, 150–151	synchronizing user databases, 262–263
connecting to, 148	SysAdmin, Audit, Network, Security (SANS)
customized, 145	Institute, 48
error messages, 249	syslog service script, 55
mounting shared directories, 139	System Commander, 15
peer-to-peer Workgroup, 147	system crashes, 65
<b>smbpasswd</b> command, 113, 262, 289	System Tools package group, 37, 38
smbpasswd file, 67–68	7 7 6 6 17
smbpasswd username command, 118	Т
smbpasswd-X computername command, 67	tail command, 237
smbumount command, 142, 148	TCP/IP (Transfer Control Protocol/Internet
smbusers file, 68, 74, 113	Protocol)
SMTP (Simple Mail Transfer Protocol), 30, 33	configuring, 169–171
snmpd service script, 55	definition, 30
snmptrapd service script, 55	ports for configuring firewalls, 70
software installation	Settings dialog, 178
adding or removing packages, 49	Telnet, 33, 40
basic components, 35	<b>testparm</b> command, 195–196
network services, 39–40	text editor
options, 35–39	GNOME, 142, 144, 145
package management, 48–50	reading service scripts, 55
Rawhide, 40, 48	selecting, 49
Red Hat Network (RHN), 44–47	vi, 241–243
rpm command command, 50–52	text login batch setup, 144–147
uninstalling unnecessary software, 52–57	Text-based Internet package group, 37
Sound and Video package group, 37, 39	text-mode interface, installing Linux, 27
sound cards, information resource, 7	text-mode network commands, 193–195, 231–232
special groups, 124–127	time zone, 30
splashimage command, 252	title command, 253
SOL Database Server package group, 37	/tmp directory, 10

/ (top level) directory, 10, 14  touch command, 129, 237, 238  troubleshooting    Samba, 195–197    software installation, 51  trust relationships, in Samba 3.0, 288  trusted devices, 32  ttfprint package, 200  Turbolinux, availability, 4  Tux server, 40	Web servers. <i>See also</i> file servers; firewalls Apache, 39 firewalls and, 32 Tux, 40 VNC, 40 vsFTP, 40 wildcards flexibility, 89 IP addresses as, 86 with rpm command, 51 winbind, 105, 114, 116–117
U	Winbind connection, 137
UID (user individual ID), 108	winbind gid variable, 137, 288
uninstalling unnecessary software, 52–57	winbind service script, 55 winbind start command, 64
United Linux, 3	winbind status command, 137, 151
unix password sync command, 119	winbind variable, 288
Update Agent. See Red Hat Linux Update Agent <b>updatedb</b> command, 246	Windbind architecture mapping, in Samba 3.0,
UPS (uninterruptible power supply), 254	288
URI (Universal Resource Identifier), 209	windbind uid variable, 137
USB device, information resource, 7	Windows File Server package group, 37, 38
Usenet, InterNetNews, 39	Windows workstations
user authentication, 71	configuring connections
user categories	considerations, 155–156
Microsoft Windows, 181	connecting to a Domain share, Windows XP
server file system, 65–66	Professional, 191–192
user configuration files, 110	connecting to a Windows print server, 224–227
user databases, synchronizing, 262–263	connecting to a Workgroup share, Windows XP
User Data settings, 109 user groups, 130	Professional, 192
user name/password database, in Samba 3.0, 288	connecting to the Domain
user tasks, 260–263	Windows 2000 Professional, 182–185
useradd command, 87, 118	creating a Domain share, Windows NT 4
users, deactivating, 110	Workstation, 176
/usr directory, 10	creating a Workgroup share, Windows NT 4 Workstation, 176–177
V	preparing accounts, 153–155
/var directory, 10	in Samba 3.0, 288
vfat filesystem format, 12	setting up roaming profiles
vi alias 1 command, 241	Windows 2000 Professional, 182
video card, 5, 31	text-mode network commands, 193–195
View menu, SWAT, 76, 83	troubleshooting Samba logs, 196–197
VNC (Virtual Network Computing), 40	Samba syntax, 195–196
volume, 18	Windows 2000 Professional
volume group (VG), 18	configuring, 177–185
vsFTP (very secure FTP server), 40	connecting to the Domain, 179–181
	connecting to Workgroups, 185
W	Windows 95/98/ME
wbinfo commands, 151	connecting to the Domain, 156–167
Web Server package group, 37	Windows 95/98/ME Workgroup share configuring, 167–168

options, 78 Wizard menu, SWAT, 76, 80–82 workgroup command, 119 Workgroup share, 175, 185, 192 workgroup variable, 81, 86, 116 workgroupname variable, 148 workgroups, 1, 87, 147–149 workstation log files, 197

## X

X Software Development package group, 37 X Window, 2, 35–36, 38 Xandros, availability, 4 Xfree86-font-utils, 200 XFS filesystem, 12 xfs filesystem format, installing Linux, 13 xfs service script, 55 xinetd service script, 55 XML tools, 200

## Υ

ypbind service script, 55