**Exam 102 Answers**

1. mkfs. The mkfs tool is used to create a file system.

2. C. The -r parameter on lilospecifies a different root directory. This is used

when you are doing recovery and /etc and /boot are actually mounted under

a new root.

3. ld.so.conf. Whenever a new library is added manually, you must edit the

ld.so.conf file and run ldconfig.

4. B. The -e parameter is used to remove a package with RPM. The other

choices install packages.

5. B. By default, kernel configuration options are stored in the .config file.

6. D. The -qf parameters tell RPM to query (-q) the database to see who owns a

certain file (-f).

7. ~/.bashrc or /etc/bashrc. The .bashrc script is executed when a bash shell

is started, but not when logging in. For example, if you open a new xterm in X11

with bash, this script will run.

8. A. traceroute is used to show the path a packet takes to a destination. The

ping command tells you only if a remote host is up, and the route command is

used to modify the local routing table.

9. C. The whois command shows contact information relating to a domain. The

nslookup and dig tools are used to check DNS information. The whoinfo

command is invalid.

10. A and C. When a change is made to inetd.conf, the daemon must be

restarted by either using the script or issuing a HUP.

11. /etc/nologin. This file causes the system to disallow all nonroot logins.

12. C and D. The pwconv and grpconv tools convert the passwd and group files

to use shadow passwords. The other commands are fake.

13. A, C, and D. All three methods can be used to ungzip the file. The tar com-

mand does support gzip, but is used only when uncompressing a tar file.

14. swapon -a. The swapon -a command enables all swap partitions in the

/etc/fstab file.

15. C. The last command shows the utmp file by default, and the who command

uses the wtmp file. The other two commands are invalid.

16. D. The Apache package includes the apachectl tool to manage the httpd

daemon. The other answers are invalid.

17. A. The lpq tool is used to manage and view the print queue, while lpc is used to

manage the printing system. The lpq –a command will display information for all

local printers. The printq command is invalid.

18. C. Disk Druid is a GUI tool supplied by Red Hat. Answers A and B provide text

interfaces. Answer D is invalid.

19. lshmod. The lsmod command displays all loaded modules.

20. D. The forward slash tells vi to search the file for the given expression. The s

command is used for substitution, while the f command searches for a single

character in the current line. Answer C is invalid.

21. B. Any time an alias is added, the newaliases command needs to be run.

Answers A and C are invalid. Restarting the sendmail process will not activate

the new aliases.

22. A. Choice B is invalid due to the subnet mask. Choice C allows anyone from a

.org domain to have access. The ALL wildcard is invalid as well.

23. D. The .xinitrc script is run from your home directory when startx is

called. The other script names are invalid.

24. C. The ifconfig command is used to configure an interface, not a route.

25. B. Only root can change /etc/aliases. Answers C and D are invalid.

26. A. The smbd daemon handles file and printer sharing. Answer C is invalid. The

named daemon is used to provide DNS.

27. su. The su, or substitute user, command is used to change to another user

while logged in.

28. C. Choice A allows anyone to connect, which is a security risk. The X server

does not use the rhosts file. Choice D is invalid.

29. C. The lower the number is, the higher the priority of the mail server.

30. B. The cp tool only works locally. Choice C uses the wrong path name, and

choice D has incorrect syntax.

31. A. The update command is first used to update the available package list, and

then the upgrade command is used to actually upgrade the packages.

32. 25. The SMTP protocol uses port 25.

33. pnpdump. This tool is used to scan the system and output any Plug-and-Play

information to a text file for configuration.

34. C and D. IP Masq is not functioning since the rule must be set in the Forward

chain. The second line enables IP forwarding.

35. A, B, C, and D. In most cases all of the directory structures should have their

own partition for security and fault tolerance.

36. dselect. The dselect tool is an easy-to-use front end for dpkg.

37. B and D. Answer A is invalid, since no query string is present. Answer C will

only display a package with the exact name “kernel”.

38. B. Answers A and D are invalid. The make menuconfig command provides a

text mode menu.

39. lilo. You must rerun liloafter editing /etc/lilo.conf so that a new boot

record is written with the updated information.

40. A. The -display parameter tells the application where to connect to for its

output display. The other answers are invalid.

41. C. The inittab file tells the system which runlevel to boot to by default. In

Red Hat, runlevel 3 is text mode and runlevel 5 is GUI mode. The other

answers are invalid.

42. XF86Config-4. XFree86 v3 uses the XF86Config file.

43. A. Netscape is known to have stability problems and memory leaks.

44. mailq. The mailq command shows all messages in the mail queue, as well as

any errors that may keep the messages from being delivered.

45. A. While the hosts.deny rule blocks everyone, the hosts.allow rule

overrides it.

46. D. Winmodems use software to handle most of their functionality, which is not

supported in Linux due to lack of information from which to write drivers.

47. B. The mount command uses the syntax server:share mount\_point for NFS

shares.

48. exportfs -a. The exportfs command is used to control the directories

shared via NFS. The -a option tells exportfs to share or unshare all config-

ured directories.

49. C. IMAP uses port 143, DNS uses port 53, and SMTP uses port 25.

50. depmod. The depmod command sets up the module dependency links.

51. D. The other answers are invalid.

52. B. The Xdefaults file lists the default settings for X applications, as config-

ured by the user. The xinit and xinitrc scripts are used to start X.