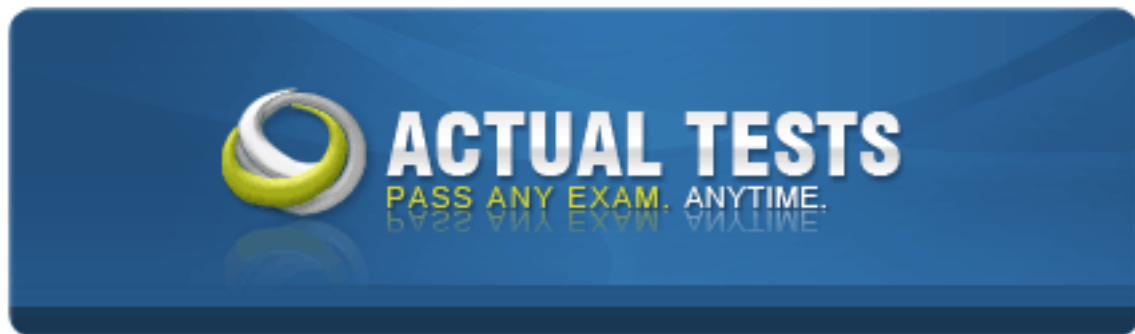


**CompTIA LX0-102**



**CompTIA Linux+ [Powered by LPI] Exam 2**

**Version: 4.4**

**Topic 1, Volume A**

**QUESTION NO: 1**

The legacy program for sending files to the printer queues from the command line is which of the following?

- A. lpd
- B. lpr
- C. lpq
- D. lpp

**Answer: B**

**Explanation:**

**QUESTION NO: 2**

Which of the following statements would create a default route using a gateway of 192.168.1.1?

- A. netstat -add default gw
- B. route default 192.168.1.1
- C. ip route default 192.168.1.1
- D. route add default gw 192.168.1.1
- E. ifconfig default gw 192.168.1.1 eth0

**Answer: D**

**Explanation:**

**QUESTION NO: 3**

Which of the following is the purpose of the dig command?

- A. To adjust a directory's hidden permissions
- B. To search for files on the filesystem
- C. To adjust a file's hidden permissions
- D. To perform hostname lookups
- E. To ping all known hosts on the current subnet

**Answer: D**

**Explanation:**

**QUESTION NO: 4**

Which of the following configuration files does sudo read when determining if a user is permitted to run applications with root privileges?

- A. /etc/groups
- B. /etc/passwd
- C. /etc/sudoers
- D. /etc/sudo.conf

**Answer: C**

**Explanation:**

**QUESTION NO: 5**

Which of the following commands will set the local machine's timezone to UTC?

- A. cat UTC > /etc/timezone
- B. ln -s /usr/share/zoneinfo/UTC /etc/localtime
- C. date --timezone=UTC
- D. mv /usr/timezone/UTC /etc

**Answer: B**

**Explanation:**

**QUESTION NO: 6 CORRECT TEXT**

A user was not given permission to use the CRON scheduling system. What file needs to be modified to provide that access? (Please specify the full path to the file).

Answer: /ETC/CRON.ALLOW

**QUESTION NO: 7**

Which of the following commands should be added to /etc/bash\_profile to change the language of

messages from an internationalised program to Portuguese (pt)? (Select TWO).

- A. export LANGUAGE="pt"
- B. export MESSAGE="pt"
- C. export LANG="pt"
- D. export LC\_MESSAGES="pt"
- E. export ALL\_MESSAGES="pt"

**Answer: C,D**

**Explanation:**

#### QUESTION NO: 8

Which of the following is pool.ntp.org?

- A. A deprecated feature for maintaining system time in the Linux kernel.
- B. A website which provides binary and source packages for the OpenNTPD project.
- C. A virtual cluster of various timeservers.
- D. A community website used to discuss the localization of Linux.

**Answer: C**

**Explanation:**

#### QUESTION NO: 9

Which of the following directories in a user's home contains configuration files and key rings for GPG?

- A. ~/gpg.d/
- B. ~/.gpg/
- C. ~/.gnupg/
- D. ~/gnupg/
- E. ~/.gpg.d/

**Answer: C**

**Explanation:**

#### QUESTION NO: 10

Which of the following lines from /etc/X11/xorg.conf indicates that fonts can be found on a font server?

- A. FontPath= server
- B. Fonts "unix/:7100"
- C. FontPath "unix/:7100"
- D. Fonts= server
- E. Fontserver = "servername"

**Answer: C**

**Explanation:**

#### **QUESTION NO: 11**

The files in the /etc/skel directory are used by the:

- A. pwconv command
- B. pwunconv command
- C. useradd command
- D. passwd command

**Answer: C**

**Explanation:**

#### **QUESTION NO: 12**

Which of the following SQL statements will select the fields name and address from the contacts table?

- A. SELECT (name, address) FROM contacts;
- B. SELECT (name address) FROM contacts;
- C. SELECT name, address FROM contacts;
- D. SELECT name address FROM contacts;

**Answer: C**

**Explanation:**

#### **QUESTION NO: 13**

Which of the following configuration files would an administrator edit to change default options for outbound ssh sessions?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/client
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_client

**Answer: D**

**Explanation:**

#### **QUESTION NO: 14**

Which of the following bash option will prevent an administrator from overwriting a file with a ">"?

- A. set -o safe
- B. set -o noglob
- C. set -o noclobber
- D. set -o append
- E. set -o nooverwrite

**Answer: C**

**Explanation:**

#### **QUESTION NO: 15 CORRECT TEXT**

An ISP has given an administrator an IP block for use. The block is 192.168.112.64/26. If the administrator uses the first usable IP for the router that is installed on the network, how many usable IPs are left? (Please enter the number and not a word)

Answer: 61

#### **QUESTION NO: 16**

All of the following are Mail Transport Agents EXCEPT:

- A. exim
- B. postfix

- C. sendmail
- D. qmail
- E. mail

**Answer: E**

**Explanation:**

**QUESTION NO: 17 CORRECT TEXT**

An administrator is configuring a secured webserver, however connecting to https://127.0.0.1 is not working. The administrator runs netstat -ntl, which returns the following output: tcp 0 0 0.0.0.0:80 0.0.0.0:\* LISTEN What port should be listening before a successful connection is possible? (Provide only the numerical value of the port).

Answer: 443

**QUESTION NO: 18 CORRECT TEXT**

Which protocol uses two (2) TCP/IP ports one of them being port 20 for data transfer? (Please do not enter duplicate answers in this field.)

Answer: FTP

Answer: FTP

**QUESTION NO: 19 CORRECT TEXT**

An administrator can run the \_\_\_\_\_ command to see active network and UNIX domain socket connections. (Please specify the command with no options or parameters).

Answer: /BIN/NETSTAT

Answer: NETSTAT

**QUESTION NO: 20 CORRECT TEXT**

An administrator needs to sync the hardware clock, which is on GMT, with the system clock, which the administrator just updated with NTP. To do this, complete the following command: \_\_\_\_\_ - u --systohc

Answer: /SBIN/HWCLOCK

Answer: /USR/SBIN/HWCLOCK

Answer: HWCLOCK

#### QUESTION NO: 21

Which of the following programs uses the hosts.allow file to perform its main task of checking for access control restrictions to system services?

- A. tcpd
- B. inetd
- C. fingerd
- D. mountd
- E. xinetd

Answer: A

Explanation:

#### QUESTION NO: 22 CORRECT TEXT

An administrator has added the following line to /etc/inittab in order to disable the ability to reboot a Debian system by pressing the Control + Alt + Delete keys simultaneously:

ca:12345:\_\_\_\_\_:bin/echo "Rebooting disabled" Please provide the missing string.

Answer: CTRLALTD

#### QUESTION NO: 23 CORRECT TEXT

What word will complete an if statement in bash such as the following: if [ -x "\$file" ]; then echo \$file \_\_\_\_\_. (Please provide the missing word only).

Answer: FI

#### QUESTION NO: 24 CORRECT TEXT

An administrator decides to use xinetd instead of inetd. Now, the administrator needs to transfer information from /etc/inetd.conf to another file. What file must be created or edited? (Please



specify the full path).

Answer: /ETC/XINETD.CONF

#### QUESTION NO: 25

In the following command and its output, echo \$\$ 12942 which of the following is 12942?

- A. The process ID of the echo command.
- B. The process ID of the current shell.
- C. The process ID of the last command executed.
- D. The process ID of the last backgrounded command.

Answer: B

Explanation:

#### QUESTION NO: 26

Which of the following commands will print the exit value of the previous command to the screen in bash?

- A. echo \$?
- B. echo \$#
- C. echo \$exit
- D. echo \$status
- E. echo \$&}

Answer: A

Explanation:

#### QUESTION NO: 27

Which of the following statements about crontab are true? (Select TWO).

- A. Every user may have their own crontab.
- B. Changing a crontab requires a reload/restart of the cron daemon.
- C. The cron daemon reloads crontab files automatically when necessary.
- D. hourly is the same as "0 \* \* \* \*".
- E. A cron daemon must run for each existing crontab.

**Answer: A,C**

**Explanation:**

**QUESTION NO: 28 CORRECT TEXT**

An administrator wants to determine the geometry of a particular window in X, so the administrator issues the \_\_\_\_\_ -metric command and then clicks on the window. (Please enter only a single command and do not enter duplicate answers in this field.)

Answer: /USR/BIN/XWININFO

Answer: XWININFO

**QUESTION NO: 29 CORRECT TEXT**

The command \_\_\_\_\_ prints a list of email that is currently in the queue waiting for delivery. (Please specify the command with or without path or arguments)

Answer: /USR/BIN/MAILQ

Answer: MAILQ

**QUESTION NO: 30 CORRECT TEXT**

To slave the NTP daemon to an external source, an administrator needs to modify the \_\_\_\_\_ variable in the /etc/ntp.conf file.

Answer: SERVER

**QUESTION NO: 31**

Which of the following commands is used to deactivate a network interface?

- A. ifdown
- B. ipdown
- C. net
- D. netdown

**Answer: A**

**Explanation:**

**QUESTION NO: 32**

Which of the following looks like a correct entry in the /etc/hosts file?

- A. localhost 127.0.0.1 localhost.localdomain
- B. localhost.localdomain localhost 127.0.0.1
- C. localhost localhost.localdomain 127.0.0.1
- D. 127.0.0.1 localhost.localdomain localhost
- E. localhost.localdomain 127.0.0.1 localhost

**Answer: D**

**Explanation:**

**QUESTION NO: 33**

Which of the following lines would an administrator find in the file /etc/resolv.conf?

- A. order hosts,bind
- B. 192.168.168.4 dns-server
- C. hosts: files,dns
- D. domain mycompany.com

**Answer: D**

**Explanation:**

**QUESTION NO: 34**

Which of the following find commands will print out a list of suid root files in /usr?

- A. find /usr -uid 0 -perm +4000
- B. find -user root +mode +s /usr
- C. find -type suid -username root -d /usr
- D. find /usr -ls \\*s\\* -u root
- E. find /usr -suid -perm +4000

**Answer: A**

**Explanation:**

**QUESTION NO: 35**

Which of the following commands will provide locale-specific information about a system and its environment?

- A. loconfig
- B. getlocale
- C. locale
- D. tzconfig
- E. tzselect

**Answer: C**

**Explanation:**

**QUESTION NO: 36**

Which of the following should the permission settings be for /etc/passwd and /etc/shadow?

- A. /etc/passwd: -rw-r--r-- /etc/shadow: -r-----
- B. /etc/passwd: -r----- /etc/shadow: -rw-r--r--
- C. /etc/passwd: -rw-r--r-- /etc/shadow: -rw-r--r--
- D. /etc/passwd: -r----- /etc/shadow: -r-----}

**Answer: A**

**Explanation:**

**QUESTION NO: 37**

Which of the following configuration files should be modified to set default shell variables for all users?

- A. /etc/bashrc
- B. /etc/profile
- C. ~default/.bash\_profile
- D. /etc/skel/.bashrc
- E. /etc/skel/.bash\_profile

**Answer: B**

**Explanation:**

**QUESTION NO: 38 CORRECT TEXT**

By default, which directories contents will be copied to a new user's home directory when the account is created, passing the -m option to the useradd command?

Answer: /ETC/SKEL

Answer: /ETC/SKEL/

**QUESTION NO: 39**

Suppose that the command netstat -a hangs for a long time without producing output. An administrator might suspect:

- A. a problem with NFS
- B. a problem with DNS
- C. a problem with NIS
- D. a problem with routing
- E. that the netstat daemon has crashed

**Answer: B**

**Explanation:**

**QUESTION NO: 40 CORRECT TEXT**

Please specify the directory containing the configuration files for the CUPS printing system. (Provide the full path to the directory).

Answer: /ETC/CUPS

Answer: /ETC/CUPS/

**QUESTION NO: 41**

Which of the following statements are true regarding the below syslog.conf configuration directive?

(Select THREE) \*.err;kern.notice;auth.notice /dev/console

- A. Severity crit messages from all facilities will be directed to /dev/console
- B. Severity notice messages from the auth facility will be directed to /dev/console
- C. Severity notice messages from the kern facility will be directed to /dev/console
- D. Severity err messages from the mail facility will be directed /dev/console
- E. Severity notice messages from all facilities will be directed to /dev/console

**Answer: B,C,D**

**Explanation:**

#### **QUESTION NO: 42**

On a system running the K Display Manager, when is the /etc/kde4/kdm/Xreset script automatically executed?

- A. When KDM starts
- B. When a user's X session exists
- C. When KDM crashes
- D. When X is restarted
- E. When X crashes

**Answer: B**

**Explanation:**

#### **QUESTION NO: 43**

Which of the following is the BEST way to temporarily suspend a user's ability to interactively login?

- A. Changing the user's UID.
- B. Changing the user's password.
- C. Changing the user's shell to /bin/false.
- D. Removing the user's entry in /etc/passwd.
- E. Placing the command logout in the user's profile.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 44**

To test a shell script called myscript, the environment variable FOOBAR must be removed temporarily. How can this be done?

- A. unset -v FOOBAR
- B. set -a FOOBAR=""
- C. env -u FOOBAR myscript
- D. env -i FOOBAR myscript

**Answer: C**

**Explanation:**

#### QUESTION NO: 45

Which of the following commands is used to display user resource limits?

- A. uname
- B. limit -a
- C. usrlmt
- D. ulimit

**Answer: D**

**Explanation:**

#### QUESTION NO: 46

Which of the following lines would an administrator find in the file /etc/nsswitch.conf?

- A. order hosts,bind
- B. 192.168.168.4 dns-server
- C. hosts: files dns
- D. domain mycompany.com

**Answer: C**

**Explanation:**

#### QUESTION NO: 47

Which of the following commands can an administrator use to change a user's password expiry information? (Select THREE).

- A. usermod
- B. passwd
- C. chattr
- D. chage
- E. chsh

**Answer: A,B,D**

**Explanation:**

#### QUESTION NO: 48

Which of the following statements is true regarding the below /etc/resolv.conf file? search example.com 127.0.0.1 208.77.188.166

- A. There is a syntax error.
- B. If DNS queries to the localhost fail, the server 208.77.188.166 will be queried.
- C. example.com will be appended to all host lookups.
- D. The DNS servers at 127.0.0.1 and 208.77.188.166 will be queried in a round robin fashion.
- E. The DNS server with the shortest ping time will be queried first. If the lookup fails, the second server will be queried.

**Answer: A**

**Explanation:**

#### QUESTION NO: 49

Which of the following crontab entries could be used to set the system time at regular intervals?

- A. 1 0 \* \* \* date \$d \$t \$24
- B. 1 0 \* \* \* settime \$d \$t \$24
- C. 1 0 \* \* \* date<ntp1.digex.net
- D. 1 0 \* \* \* /usr/sbin/runcron date <ntp1.digex.net
- E. 1 0 \* \* \* /usr/sbin/ntpdate ntp1.digex.net > /dev/null 2>&1

**Answer: E**

**Explanation:**

#### QUESTION NO: 50

Which of the following outputs will the below command produce? seq 1 5 20



**A. 1**

6

11

16

**B. 1**

5

10

15

**C. 1**

2

3

4

**D. 2**

3

4

5

**E. 5**

10

15

20

**Answer: A**

**Explanation:**

#### **QUESTION NO: 51**

When using ssh, which of the following can an administrator do to recover a lost passphrase for a DSA or RSA authentication key?

**A.** Run the ssh-keygen command.

**B.** Run the ssh --recover command.

**C.** A lost passphrase cannot be recovered.

**D.** Decrypt the authentication key with gpg.

**E.** Decrypt the authentication key with ssh --decrypt.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 52**

Which of the following describes the Linux ping packet or datagram?

- A. IP packet with a packet type
- B. ICMP packet with a message type
- C. ICMP packet with a payload
- D. UDP datagram with a protocol type
- E. UDP datagram with a payload

**Answer: B**

**Explanation:**

### QUESTION NO: 53

Which of the following entries can an administrator add to syslog.conf file to have all syslog messages generated by the administrator system go file to have all syslog messages generated by the administrator? system go to virtual console 12?

- A. \*.\* /dev/tty12
- B. /var/log/messages | /dev/tty12
- C. | /dev/tty12
- D. syslog tty12
- E. mail.\* /dev/tty12

**Answer: A**

**Explanation:**

### QUESTION NO: 54 CORRECT TEXT

Which file specifies the user accounts can NOT submit jobs via at or batch? (Provide the full path and filename).

Answer: /ETC/AT.DENY

### QUESTION NO: 55 CORRECT TEXT

The \_\_\_\_\_ command is used to add a group to the system. (Please enter only a single command and do not enter duplicate answers in this field.)

Answer: /USR/SBIN/GROUPADD

Answer: GROUPADD

**QUESTION NO: 56**

An administrator has just set up the X Display Manager as the default display manager. Which of the following files should be edited to change the default background for it?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/prefdm
- C. /etc/X11/xorg.conf
- D. /etc/X11/xdm.conf

**Answer: A**

**Explanation:**

**QUESTION NO: 57 CORRECT TEXT**

What word is missing from the following SQL statement? update tablename \_\_\_\_  
fieldname='value' where id=909;

Answer: SET

Answer: SET

**QUESTION NO: 58 CORRECT TEXT**

What is the command to delete the default gateway from the system IP routing table? (Please specify the complete command with arguments, please no duplicate answers in this field.)

Answer: /sbin/routedel0.0.0.0

Answer: /sbin/routedeldefault

Answer: /sbin/routedel0.0.0.0

Answer: /sbin/routedeldefault

Answer: routedel0.0.0.0

Answer: routedeldefault

Answer: routedel0.0.0.0

Answer: routedeldefault

**QUESTION NO: 59**

An administrator is running an email server configured with the default settings. In which directory

will the administrator commonly find the delivered mail for the user foo?

- A. /var/spool/mail
- B. /home/foo/mail
- C. /var/mail/spool
- D. /var/users/mail

**Answer: A**

**Explanation:**

#### **QUESTION NO: 60**

For accessibility assistance, which of the following programs is an on-screen keyboard?

- A. xkb
- B. atkb
- C. GOK
- D. xOSK

**Answer: C**

**Explanation:**

#### **QUESTION NO: 61 CORRECT TEXT**

What word is missing from the following SQL statement? select count(\*) \_\_\_\_\_ tablename;

Answer: FROM

Answer: FROM

#### **QUESTION NO: 62 CORRECT TEXT**

Which option, when passed to the gpg command, will enter an interactive menu enabling the user to perform key management related tasks? (Provide only one option).

Answer: EDIT-KEY

Answer: --EDIT-KEY

**QUESTION NO: 63**

All of the following are contained in the locale setting of the operating system EXCEPT:

- A. currency symbol
- B. language
- C. timezone
- D. thousands separator

**Answer: C**

**Explanation:**

**QUESTION NO: 64**

An administrator discovers a pending job for the `at` command. Which of the following does the administrator need to use to remove it?

- A. `atrm`
- B. `atq -r`
- C. `at -e`
- D. `rmat`

**Answer: A**

**Explanation:**

**QUESTION NO: 65**

A French user has installed the French language pack, but currencies are still being displayed with a leading '\$' sign in spreadsheets. Which of the following must be done to fix this?

- A. Alter the locale.
- B. Set the timezone correctly.
- C. Edit `/etc/currency`.
- D. Reinstall the French language pack.

**Answer: A**

**Explanation:**

**QUESTION NO: 66**

An administrator has a user whose account needs to be disabled but not removed. Which of the following should the administrator do?

- A. Edit /etc/gshadow and just remove the user name. and just remove the user? name.
- B. Edit /etc/passwd and change all numbers to 0.
- C. Edit /etc/shadow and remove the last field.
- D. Edit /etc/passwd and insert an \* after the first : .
- E. Edit /etc/group file and put a # sign in front of the user name. sign in front of the user? name.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 67**

An administrator suspects that a gateway machine on their network has failed; the administrator is unsure which machine is the problem. Which of the following commands will help locate the problem machine?

- A. ps
- B. netstat
- C. nslookup
- D. ifconfig
- E. traceroute

**Answer: E**

**Explanation:**

#### **QUESTION NO: 68**

While performing a security audit, an administrator discovers that a machine is accepting connections on TCP port 184, but it is not obvious which process has the port open. Which of the following programs should the administrator use to find out?

- A. traceroute
- B. strace
- C. debug
- D. nessus
- E. lsof

**Answer: E**

**Explanation:**

**QUESTION NO: 69 CORRECT TEXT**

An administrator wants to temporarily prevent users from logging in. Please complete the following command: touch /etc/\_\_\_\_\_

Answer: NOLOGIN

**QUESTION NO: 70**

An administrator needs to pause the CUPS printer Laserjet4, and wants to cancel all print jobs with a message, "hello". Which of the following commands will do this?

- A. cupsreject -c -r hello Laserjet4
- B. cupsreject -p -m hello Laserjet4
- C. cupsdisable -c -r hello Laserjet4
- D. cupsdisable -p -m hello Laserjet4

Answer: C

Explanation:

**QUESTION NO: 71**

To prevent a specific user from scheduling tasks with at, which of the following should the administrator do?

- A. Add the specific user to /etc/at.allow file.
- B. Add the specific user to [deny] section in the /etc/atd.conf file.
- C. Add the specific user to /etc/at.deny file.
- D. Add the specific user to nojobs group.
- E. Run the following: atd --deny [user].

Answer: C

Explanation:

**QUESTION NO: 72**

Which of the following commands would an administrator use to create an OpenSSH authentication key?

- A. sshd
- B. ssh-agent
- C. ssh-keygen
- D. ssh-add

**Answer: C**

**Explanation:**

#### **QUESTION NO: 73 CORRECT TEXT**

An administrator is logged in as root. What command should the administrator run to find out what groups user bruno belongs to?

Answer: /USR/BIN/GROUPSBRUNO

Answer: /USR/BIN/IDBRUNO

Answer: GROUPSBRUNO

Answer: IDBRUNO

#### **QUESTION NO: 74**

Which of the following can the chage command **NOT** change?

- A. The number of days since January 1, 1970 on which the user account will no longer be accessible.
- B. The number of days since January 1, 1970 when the password can change.
- C. The number of days since January 1st, 1970 when the password was last changed.
- D. The maximum number of days during which a password is valid.
- E. The number of days of inactivity after a password has expired before the account is locked.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 75 CORRECT TEXT**

After configuring printing on a Linux server, the administrator sends a test file to one of the printers and it fails to print. What command can be used to print the status of the printer's queue? (Provide



only the command, without any options or parameters).

Answer: /USR/BIN/LPQ

Answer: LPQ

#### QUESTION NO: 76

Which of the following benefits does an alias provide?

- A. It provides faster lookups for commands.
- B. It prevents having to type long commands
- C. It hides from others the command that is being run.
- D. It creates a local copy of a file from another directory.

**Answer: B**

**Explanation:**

#### QUESTION NO: 77

Which of the following is the BEST way to list all defined shell variables?

- A. env
- B. set
- C. env -a
- D. echo \$ENV

**Answer: B**

**Explanation:**

#### QUESTION NO: 78

All of the following information is provided in any output from the netstat utility EXCEPT:

- A. broadcast services
- B. interface statistics
- C. masquerading connections
- D. network connections
- E. routing tables

**Answer: A**

**Explanation:**

**QUESTION NO: 79**

On a system using shadowed passwords, the correct permissions for /etc/passwd are \_\_\_\_ and the correct permissions for /etc/shadow are \_\_\_\_.

- A. -rw-r-----, -r-----
- B. -rw-r--r--, -r--r--r--
- C. -rw-r--r--, -r-----
- D. -rw-r--rw-, -r-----r--
- E. -rw-----, -r-----

**Answer: C**

**Explanation:**

**QUESTION NO: 80**

Which of the following Class B IPv4 networks are reserved by IANA for private address assignment and private routing? (Select TWO).

- A. 128.0.0.0
- B. 169.16.0.0
- C. 169.254.0.0
- D. 172.16.0.0
- E. 172.20.0.0

**Answer: D,E**

**Explanation:**

**QUESTION NO: 81**

The correct crontab entry to execute the script chklog once per hour between 3 p.m. and 5 p.m. on Monday and Thursday each week is, which of the following?

- A. 0 3,4,5 \* \* 2,5 chklog
- B. 0 3,4,5 \* \* 1,4 chklog
- C. 0 15,16,17 \* \* 1,4 chklog

- D. 0 15,16,17 1,4 \* \* chklog
- E. \* 15,16,17 \* \* 1,4 chklog

**Answer: C**

**Explanation:**

#### **QUESTION NO: 82**

Which of the following commands allows an administrator to make a shell variable visible to subshells?

- A. export \$VARIABLE
- B. export VARIABLE
- C. set \$VARIABLE
- D. set VARIABLE
- E. env VARIABLE

**Answer: B**

**Explanation:**

#### **QUESTION NO: 83**

When attempting to send a file to another user securely with GPG, which of the following actions must be done?

- A. Encrypt the file using your public key.
- B. Encrypt the file using their public key.
- C. Encrypt the file using your private key.
- D. Encrypt the file using their private key.
- E. Sign the file with your public key.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 84 CORRECT TEXT**

Which IP protocol is connectionless and unreliable? (Please enter only a single answer and do not enter duplicate answers in this field.)

Answer: UDP

Answer: UDP

Answer: UDP/IP

Answer: UDP/IP

#### **QUESTION NO: 85**

In xorg.conf, which of the following sections is concerned with fonts?

- A. The Fonts section
- B. The Files section
- C. The xfsCodes section
- D. The Graphics section
- E. The modeline section

**Answer: B**

**Explanation:**

#### **QUESTION NO: 86 CORRECT TEXT**

In an xinetd config file, what attribute specifies the network address that will be used to offer the service? (Please enter only one answer and do not enter duplicate answers in this field.)

Answer: BIND

Answer: INTERFACE

#### **QUESTION NO: 87**

Which of the following outputs will the below command sequence produce? `echo '1 2 3 4 5 6' | while read a b c; do echo result: $c $b $a; done`

- A. result: 3 4 5 6 2 1
- B. result: 1 2 3 4 5 6
- C. result: 6 5 4
- D. result: 6 5 4 3 2 1
- E. result: 3 2 1

**Answer: A**

**Explanation:**

**QUESTION NO: 88 CORRECT TEXT**

The \_\_\_\_\_ command is used to print the network connections, routing tables, and interface statistics. (Please enter only a single command and do not enter duplicate answers in this field.)

Answer: /BIN/NETSTAT

Answer: /SBIN/IP

Answer: IP

Answer: NETSTAT

**QUESTION NO: 89**

X is running okay but an administrator is concerned that the correct color depth set is not configured. Which of the following commands will show the administrator the running color depth while in X?

- A. xcd
- B. xcdepth
- C. xwininfo
- D. xcolordepth
- E. cat /etc/X11

**Answer: C**

**Explanation:**

**QUESTION NO: 90**

Which of the following words is used to restrict the records that are returned from a SELECT query based on supplied criteria for the values in the records?

- A. LIMIT
- B. FROM
- C. WHERE
- D. IF

**Answer: C**

**Explanation:**

**QUESTION NO: 91**

Which of the following outputs will the command `seq 10` produce?

- A. A continuous stream of numbers increasing in increments of 10 until stopped.
- B. The numbers 1 through 10 with one number per line.
- C. The numbers 0 through 9 with one number per line.
- D. The number 10 to standard output.

**Answer: B**

**Explanation:**

**QUESTION NO: 92 CORRECT TEXT**

The \_\_\_\_\_ command is used to assign an IP address to a device. (Please specify a single command with or without path information)

Answer: /sbin/ifconfig

Answer: /sbin/ip

Answer: ifconfig

Answer: ip

**QUESTION NO: 93**

Which of the following is the purpose of the Sticky Keys feature in X?

- A. To assist users who have difficulty holding down multiple keys at once
- B. To prevent repeated input of a single character if the key is held down
- C. To ignore brief keystrokes according to a specified time limit
- D. To repeat the input of a single character

**Answer: A**

**Explanation:**

**QUESTION NO: 94**

Which of the following commands can be used to activate a specific network interface?

- A. ipup
- B. net
- C. ifup
- D. netup

**Answer: C**

**Explanation:**

#### **QUESTION NO: 95**

An administrator is looking into a new script that they have just received from a senior administrator. In the very first line the administrator notices a `#!` followed by a path to a binary. Linux will:

- A. ignore the script.
- B. use that binary to interpret the script.
- C. use that binary to compile the script.
- D. be replaced by that binary.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 96**

Which of the following commands should be used to print a listing of emails in the system's mail queue?

- A. sendmail -l
- B. lpq
- C. mailq
- D. mlq

**Answer: C**

**Explanation:**

#### **QUESTION NO: 97 CORRECT TEXT**

Given the following line from /etc/nsswitch.conf: hosts: files mdns4\_minimal [NOTFOUND=return] dns mdns4 By default, which file will be queried first for hostname lookups? (Provide the full path and filename).

Answer: /ETC/HOSTS

#### QUESTION NO: 98 CORRECT TEXT

What command can be used to generate log entries of any facility and priority? (Supply just the command name without a path).

Answer: LOGGER

#### QUESTION NO: 99

Each entry in a crontab must end with which of the following characters?

- A. tab
- B. space
- C. backslash
- D. newline

Answer: D

Explanation:

#### QUESTION NO: 100 CORRECT TEXT

What argument to the -name flag of find will match files or directories beginning with a '.' (period)?

Answer: .\*

#### QUESTION NO: 101 CORRECT TEXT

To exclude all log messages of a given logging facility, an administrator should use a logging priority of \_\_\_\_\_ .



Answer: NONE

**QUESTION NO: 102**

A department decided to change the Gnome Display Manager's greeting. Which of the following configuration files should an administrator edit?

- A. /etc/gnome/greeting
- B. /opt/gnome/share/greeting
- C. /etc/X11/gmd.conf
- D. /etc/X11/gdm/Init/Default

**Answer: D**

**Explanation:**

**QUESTION NO: 103**

Which of the following are commonly used Mail Transfer Agent (MTA) applications? (Select THREE).

- A. postfix
- B. procmail
- C. sendmail
- D. exim
- E. smtpd

**Answer: A,C,D**

**Explanation:**

**QUESTION NO: 104 CORRECT TEXT**

Which file lists which users can execute commands using sudo? (Provide the full path and filename).

Answer: /ETC/SUDOERS

**QUESTION NO: 105 CORRECT TEXT**

Which file contains a list of services and hosts that will be denied by a TCP Wrapper such as tcpd? (Please enter the full path).

Answer: /ETC/HOSTS.DENY

#### QUESTION NO: 106

On a dual boot system, every time the system is booted back into Linux the time has been set backward by two hours. Which of the following commands will correct the problem so it will not occur again?

- A. ntpdate pool.ntp.org
- B. date -d 'two hours'
- C. hwclock --hctosys --localtime
- D. time hwclock

Answer: C

Explanation:

#### QUESTION NO: 107

Which of the following files, when using Sendmail or a similar MTA system, will allow a user to redirect all their mail to another address and is configurable by the user themselves?

- A. /etc/alias
- B. /etc/mail/forwarders
- C. ~/.alias
- D. ~/.forward

Answer: D

Explanation:

#### QUESTION NO: 108

A senior executive asked an administrator to change the default background of the executive machine, which uses XDM. Which of the following filesA senior executive asked an administrator to change the default background of the executive? machine, which uses XDM. Which of the following files would the administrator edit to achieve this?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/xdm.conf
- C. /etc/X11/xdm/Defaults
- D. /etc/X11/defaults.conf

**Answer: A**

**Explanation:**

## Topic 2, Volume B

### QUESTION NO: 109

Which of the following should be backed up before a Samba version upgrade? (Choose TWO correct answers.)

- A. Libraries
- B. TDB files
- C. Configuration files
- D. Binaries
- E. winbindd\_privileged directory

**Answer: B,C**

**Explanation:**

### QUESTION NO: 110

How is VFS (Virtual File System) support enabled in Samba?

- A. Samba does not support VFS.
- B. Compile and load vfs.ko kernel module.
- C. Compile and load vfs.ko and its dependent smbfs kernel modules.
- D. Compile and load pvfs.ko kernel module.
- E. Compile Samba with VFS module support.

**Answer: E**

**Explanation:**

### QUESTION NO: 111

Which command from the Samba Suite is used to retrieve information on the mapping between

NetBIOS names and IP addresses?

**A. NMBLOOKUP**

**Answer: A**

**Explanation:**

**QUESTION NO: 112**

Which of the following commands will mount a remote Samba share when the user is Winuser and the password is somepass?

- A.** `mount -t smbfs -o username=Winuser,password=somepass //SERVER/share /media/sambashare`
- B.** `mount -t smbfs -o username=Winuser,password=somepass \\SERVER\share /media/sambashare`
- C.** `mount -t smbfs -o Winuser%somepass //SERVER/share /media/sambashare`
- D.** `mount -t smbfs -o username=Winuser%somepass //SERVER/share /media/sambashare`

**Answer: A**

**Explanation:**

**QUESTION NO: 113**

After installing a network with one Samba server and several clients, users are complaining that they receive an Unable to browse the network error when trying to visit a public share. What is the most likely cause of this?

- A.** The user entered the wrong username and/or password.
- B.** The nmbd process is not running on the Samba server.
- C.** The user hasn't mapped the share to a local drive letter yet.
- D.** The Samba server is not configured as a Domain Master Browser.

**Answer: B**

**Explanation:**

**QUESTION NO: 114**

Which node type will use only NetBIOS broadcast requests using UDP broadcast?

- A.** b-node (type 0x01)

- B. p-node (type 0x02)
- C. m-node (type 0x04)
- D. h-node (type 0x08)

**Answer: A**

**Explanation:**

**QUESTION NO: 115 CORRECT TEXT**

Which port must be open in a firewall to allow access to rdesktop?

Answer: 3389

**QUESTION NO: 116 CORRECT TEXT**

Which port is used for "NetBIOS-less" SMB traffic?

Answer: 445

**QUESTION NO: 117 CORRECT TEXT**

A \_\_\_\_\_ server stores NetBIOS names and IP addresses of SMB/CIFS clients.

Answer: WINS

**QUESTION NO: 118**

By default, Windows XP requires that passwords on your Samba server:

- A. Do not exceed 32 characters.
- B. Contain both numbers and letters.
- C. Are encrypted.
- D. Are changed every 30 days.

**Answer: C**

**Explanation:**

**QUESTION NO: 119**

When setting up roaming profiles in a Windows network which includes Windows 98 desktops, which Samba parameter must be set?

- A. logon drive
- B. logon home
- C. logon path
- D. logon script

**Answer: B**

**Explanation:**

**QUESTION NO: 120**

What DHCP option can be set on a ISC DHCP server to tell NETBIOS clients that the WINS server has the IP address 192.168.1.2?

- A. option netbios-wins-servers 192.168.1.2;
- B. option wins-netbios-servers 192.168.1.2;
- C. option wins-name-servers 192.168.1.2;
- D. option netbios-name-servers 192.168.1.2;

**Answer: D**

**Explanation:**

**QUESTION NO: 121**

Which of the following development libraries are used to make Samba compatible with ADS? (Select TWO correct answers.)

- A. Kerberos
- B. CUPS
- C. LDAP
- D. Win32
- E. IMAP

**Answer: A,C**

**Explanation:**

**QUESTION NO: 122**

Which smb.conf configuration keyword determines the hostname resolution order?

- A. use ads
- B. name resolve order
- C. use nsswitch.conf
- D. use resolv.conf

**Answer: B**

**Explanation:**

#### **QUESTION NO: 123**

What is the meaning of a NetBIOS hybrid node (h-node) type client?

- A. Client performs a broadcast and does not query WINS.
- B. Client queries WINS first, and then broadcasts.
- C. Client broadcasts first, and then queries WINS.
- D. Client only queries WINS and does not broadcast.
- E. Client only queries lmhost local file.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 124**

Which of the following statements are true when creating NETBIOS names? (Select TWO correct answers.)

- A. NETBIOS names can only use alphanumeric characters.
- B. You can use a '.' in a NETBIOS name.
- C. You can use an '\_' (underscore) in a NETBIOS name.
- D. NETBIOS names must be UPPERCASE
- E. NETBIOS names can be a maximum of 32 characters

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 125**

Which command would create a machine account in Active Directory under the Computers\BusinessUnit\Department\Servers organizational unit?

- A. net rpc join -m localhost -  
ldap="ldap.ldapserver.com:Computers\BusinessUnit\Department\Servers"
- B. rpcclient -c "join Computers\BusinessUnit\Department\Servers"
- C. net ads join ou="Computers\BusinessUnit\Department\Servers"
- D. net ads join "Computers\BusinessUnit\Department\Servers"

**Answer: D**

**Explanation:**

#### QUESTION NO: 126

In which section of the smb.conf configuration file is the logon script declared?

- A. [homes]
- B. [netlogon]
- C. [global]
- D. [profiles]

**Answer: C**

**Explanation:**

#### QUESTION NO: 127

Which of the following commands would you run to add your machine to an NT4 domain?

- A. net rpc join -S PDC -UAdministrator%password
- B. net ads join -s PDC -UAdministrator%password
- C. net rpc join -s PDC -UAdministrator%password
- D. net ads join -W PDC -nAdministrator%password

**Answer: A**

**Explanation:**

#### QUESTION NO: 128

When migrating files from a Windows server A to a Samba server B with the command 'net rpc share migrate files -S A -destination=B -acls -attrs -U administrator', some files that originally belong only to a Windows group (no user) will generate errors during the migration. Which option in smb.conf will force such files to be mapped to the correct UNIX UID and GID?

- A. use acl = yes



- B. map group acls = yes
- C. force unknown acl user = yes
- D. inherit acls = no

**Answer: C**

**Explanation:**

**QUESTION NO: 129**

When no WINS server is present, all name registrations and lookups are done by UDP \_\_\_\_\_.

- A. broadcast
- B. multicast
- C. unicast
- D. None of the above.

**Answer: A**

**Explanation:**

**QUESTION NO: 130 CORRECT TEXT**

Which are the FOUR parameters (in the correct order) to be set in the name resolve order directive, to use the following name resolution order?

1. Use lmhosts file entries 2 Use a server specified in the 'wins server' directive Use broadcast  
Use default DNS lookup

**Answer: LMHOSTSWINSBCASTHOST**

**QUESTION NO: 131**

It is desired to restrict access to the [IPC\$] share to one specific machine. The setting hosts allow = 192.168.0.3 is added to the share configuration. Later it is discovered that other workstations may still access it. What setting was forgotten in the share configuration? (Enter the parameter and any options or values)

- A.  
HOSTSDENY=0.0.0.0/0,HOSTSDENY=0.0.0.0/0,HOSTSDENY=0.0.0.0/0,HOSTSDENY=0.0.0.0/0,DENYHOSTS=0

**Answer: A**

**Explanation:****QUESTION NO: 132**

The response times on a Samba server are gradually increasing, so it is decided to experiment with various socket options in smb.conf. Which of the following are valid values for this parameter? (Choose THREE correct answers)

- A. TCP\_NODELAY
- B. SO\_NOBROADCAST
- C. SO\_TXBUF
- D. IPTOS\_LOWDELAY
- E. SO\_KEEPALIVE

**Answer: A,D,E**

**Explanation:****QUESTION NO: 133 CORRECT TEXT**

The \_\_\_\_\_ parameter in the smb.conf file will set hidden files in Linux to also be hidden in windows. (Please specify ONLY the parameter with no value assignment.)

**Answer: HIDEFILES**

**QUESTION NO: 134**

There are multiple network interfaces on a server. Which parameters must you set in smb.conf to limit on which interfaces Samba will accept connections? (Choose TWO correct answers)

- A. listen interfaces
- B. bind interfaces only
- C. interfaces
- D. listen address

**Answer: B,C**

**Explanation:****QUESTION NO: 135 CORRECT TEXT**

Users are reporting that they can access all user home directories on the server in addition to their

own. What value must be added to the valid users parameter in the [homes] section of smb.conf to disallow this behaviour? (Enter only the required value, do not include the parameter name)

Answer: %S

#### QUESTION NO: 136

The following output is generated when trying to obtain tickets from the Kerberos realm: # kinit

user@SUB.DOMAIN.BIZ Password for user@SUB.DOMAIN.BIZ kinit(v5): Clock skew too great while getting initial credentials How can the problem be fixed? (Choose TWO correct answers.)

- A. ntpdate domaincontroller; hwclock -systohc
- B. kinit -t
- C. killall -HUP krb5kdc
- D. Modify the time\_sync value in the kdc.conf file.
- E. Modify the clockskew value in the krb5.conf file.

Answer: A,E

Explanation:

#### QUESTION NO: 137

Which of the following is true about the following share access properties? (Choose TWO correct answers.) [projects]path = /data/projects read only = noadmin users = timo, taki, +managers

- A. +managers will be resolved as a Winbind group.
- B. The timo and taki users can manipulate files regardless of the file system permissions.
- C. +managers will be resolved as a Unix group.
- D. +managers is a builtin default Samba group.
- E. The "admin users" can be applied only to print shares.

Answer: B,C

Explanation:

#### QUESTION NO: 138

In /etc/smbldap-tools/ which file contains the DN and password for the LDAP manager?

- A. smbldap.conf
- B. ldap.conf

- C. smbldap\_bind.conf
- D. slapd.conf

**Answer: C**

**Explanation:**

**QUESTION NO: 139**

Which option below shows the correct command line to list the shares exported by the Samba server called NAME?

- A. smbcontrol -L
- B. smbclient -N NAME
- C. smbclient -L NAME
- D. smbmount -L NAME

**Answer: C**

**Explanation:**

**QUESTION NO: 140**

In the smb.conf configuration file, which pair may be used as a boolean value?

- A. yes/no
- B. true/false
- C. 0/1
- D. Any of the above.

**Answer: D**

**Explanation:**

**QUESTION NO: 141**

Samba cannot be a Backup Domain Controller for an NT4 PDC because:

- A. Samba 3 implements 128-bit encryption, which is unsupported by an NT4 PDC.
- B. the native NT4 SAM replication protocols have not yet been fully implemented.
- C. the database backends used by each server are incompatible.
- D. the Samba team does not want to encourage the use of a Windows server as a PDC.

**Answer: B**

**Explanation:****QUESTION NO: 142 CORRECT TEXT**

Which command executes a recursive download of the src share located in a Samba server named SOURCES, assuming that this server allows anonymous users? (Specify the command and any arguments and parameters.)

Answer: SMBGET-RSMB://SOURCES/SRC

**QUESTION NO: 143 CORRECT TEXT**

A Samba server needs to determine the SID of an existing domain called FOO. Complete the command below which on the Samba server that will achieve this result: net rpc \_\_\_\_\_ FOO

Answer: GETSID

**QUESTION NO: 144**

How is the user user01 from DOMA granted the right to manage printers in the Samba print server?

- A. net ads rights 'DOMA\user01' +SePrintOperatorPrivilege
- B. net -S server -U domadmin rpc rights grant 'DOMA\user01' SePrintOperatorPrivilege
- C. pdbedit -user=user01 -l=DOMA -policies=SePrintOperatorPrivilege
- D. pdbedit DOMA\user01 +PrintOperator
- E. cupsaddsmb DOMA\user01 +PrintOperator

**Answer: B**

**Explanation:****QUESTION NO: 145**

When using a localized installation of Windows - such as Japanese or Chinese - the names of files which are stored on the server do not display correctly in Windows Explorer. Which parameters in smb.conf should be checked? (Choose TWO correct answers)

- A. unix charset
- B. display charset

- C. dos charset
- D. windows charset
- E. Unicode

**Answer: A,C**

**Explanation:**

**QUESTION NO: 146 CORRECT TEXT**

After updating the smb.conf file, it is a good idea to run the \_\_\_\_\_ command before restarting the Samba service. (Enter the command only with no path information.)

Answer: TESTPARM

**QUESTION NO: 147 CORRECT TEXT**

What command (excluding path information) will display the compile time options for Samba?

- a. Please include all options.

Answer: SMBD-B

**QUESTION NO: 148**

Which command will list the shares on the workstation with the NetBIOS name officepc and IP address 192.168.0.3?

- A. smbclient -L -I 192.168.0.3
- B. smbclient -L officepc
- C. smbclient -l -n officepc
- D. smbclient -list -I 192.168.0.3

**Answer: B**

**Explanation:**

**QUESTION NO: 149**

In which section of smb.conf should the path to the domain policy file be declared?

- A. [netlogon]
- B. [homes]
- C. [profiles]
- D. [policy]

**Answer: A**

**Explanation:**

#### **QUESTION NO: 150 CORRECT TEXT**

If logon drive = H: is set in the Samba main configuration file, the server will automatically map the home directory for each user to the drive H: as soon as logon is executed. What is the equivalent command for this directive in a logon script?

Answer: NETUSEH:/HOME

#### **QUESTION NO: 151**

Which smbldap-tools configuration files require modification before using the TOOLS? (Select THREE correct answers.)

- A. smbldap.conf
- B. smbldap\_tools.pm
- C. ldap.conf
- D. smb.conf
- E. smbldap\_bind.conf

**Answer: A,B,E**

**Explanation:**

#### **QUESTION NO: 152**

A new Samba server (Version 3) has been setup with a brand new colour laser printer. The printer is attached to the parallel port and is setup using CUPS. What share must you setup in your smb.conf file to allow client computers to download the new drivers?

- A. [printers]
- B. [print\$]
- C. [printer\$]
- D. [cups\$]

**Answer: B**

**Explanation:**

**QUESTION NO: 153**

The SAMBADOM domain has been added as a trusted account to an existing domain called WIN3K. Which command should be run on the Samba server in order to establish the trusted relationship to the WIN3K domain?

- A. net rpc trustdom add WIN3K
- B. net rpc addtrust WIN3K
- C. net rpc trustdom establish WIN3K
- D. net rpc trustdom establish SAMBA

**Answer: C**

**Explanation:**

**QUESTION NO: 154 CORRECT TEXT**

By default, on what port does SWAT listen?

Answer: 901

**QUESTION NO: 155 CORRECT TEXT**

By specifying the \_\_\_\_\_ parameter in smb.conf and assigning it an appropriate value, Samba will create Machine Trust Accounts automatically when the client joins the domain.

Answer: ADDMACHINESCRIPT

**QUESTION NO: 156**

Which command typed on a Samba 3 server will print out the local SID?

- A. net get sid localhost
- B. net getlocalsid
- C. net getsid
- D. net rpc get localsid



**Answer: B**

**Explanation:**

**QUESTION NO: 157 CORRECT TEXT**

What command will test the file /root/smb.conf for internal correctness? (Enter the command and any required options or parameters)

Answer: TESTPARM/ROOT/SMB.CONF

**QUESTION NO: 158**

When a Windows domain controller is used, which of the following is assigned a Windows Security Identifier?

- A. Users
- B. Servers
- C. Groups
- D. Only A and C above
- E. All of the above

**Answer: E**

**Explanation:**

**QUESTION NO: 159 CORRECT TEXT**

The command \_\_\_\_\_ is used on a Samba 3 server to modify the SSID in an existing NT profile file called NTUser.DAT.

Answer: PROFILES

**QUESTION NO: 160**

What must be done to allow only users of the devel system group to access a share?

- A. In the smb.conf file, set valid users = @devel
- B. In the smb.conf file, set valid groups = @devel
- C. In the smb.conf file, set valid groups = devel

**D.** chgrp the directory on the Samba server to the devel group, and then set the GID bit on the directory.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 161**

In the [global] section of the smb.conf file, the following parameter is set: map to guest = Bad Password Which of the following statements are true? (Select TWO correct answers.)

- A.** Users using an invalid password are treated as a guest account.
- B.** Users using an invalid password are rejected from accessing shares.
- C.** Users will receive warning messages that they are using an incorrect password
- D.** This parameter is required to setup public shares on the samba server when the security parameter is set to user.

**Answer: A,D**

**Explanation:**

#### **QUESTION NO: 162**

What does the entry valid users = @smbusers in the smb.conf file mean when used in a share section?

- A.** Only users connecting from the machine called smbusers can use this share.
- B.** Files saved in the specified share will be owned by the group smbusers.
- C.** Only users in the unix group called smbusers can access this share.
- D.** Only the user account smbusers can access this share.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 163**

Which smbclient option is used when connecting to a server as an authenticated user? (Select TWO correct answers.)

- A.** -user
- B.** -u
- C.** -guest

- D. -password
- E. -U

**Answer: A,E**

**Explanation:**

#### **QUESTION NO: 164**

Select the TWO correct statements about the smbpasswd command:

- A. The -d <user> parameter deletes the <user> account from Samba database.
- B. The -a <user> parameter adds <user> account to the Samba database. If the account already exists, this parameter is ignored.
- C. The -x <user> parameter removes the <user> account from the Samba database.
- D. the -e <user> parameter excludes the <user> account from the Samba database.
- E. smbpasswd enables password changes only on Samba servers and not regular Windows servers.

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 165**

Which of the following lines should be added to smb.conf to use authenticate users against the Kerberos domain bc.ep.kerberos.biz?

- A. kerberos = bc.ep.kerberos.biz
- B. realm = bc.ep.kerberos.biz
- C. krb5 = /etc/krb5.conf
- D. krb5 workgroup = bc.ep.kerberos.biz

**Answer: B**

**Explanation:**

#### **QUESTION NO: 166 CORRECT TEXT**

A default user profile can be stored in a subdirectory of profiles/ called \_\_\_\_\_.

**Answer: DEFAULTUSER**

**QUESTION NO: 167 CORRECT TEXT**

Which backend must be included in the smb.conf's passwd backend parameter in order for users to authenticate against an LDAP directory?

Answer: LDAPSAM

**QUESTION NO: 168 CORRECT TEXT**

Which component of the Samba suite allows Windows domain users to appear and operate as Unix users on a Unix machine?

Answer: WINBIND

**QUESTION NO: 169 CORRECT TEXT**

If the idmap parameter is not specified in smb.conf, in which database file will winbind store its UID/GID/SID mappings? (Enter only the filename, without a path)

Answer: WINBIND\_IDMAP.TDB

**QUESTION NO: 170 CORRECT TEXT**

What command will delete the user account joeuser from a Samba server. (Include ANY required options.)

Answer: SMBPASSWD-XJOEUSER

**QUESTION NO: 171**

With Samba 3, which LDAP object class contains the Samba password attribute in the LDAP backend.

- A. sambaSamAccount
- B. shadowAccount
- C. inetOrgPerson
- D. sambaUnixIdPool
- E. sambaPasswdMap

**Answer: A**

**Explanation:**

**QUESTION NO: 172**

Which parameter in the smb.conf defines how long the winbind daemon will cache user and group information?

- A. winbind cache time
- B. idmap cache time
- C. cache time
- D. nscd cache time

**Answer: A**

**Explanation:**

**QUESTION NO: 173**

Select the TWO correct answers relating to the scripts of smbldap-tools package:

- A. The /etc/smbldap-tools/smbldap\_bind.conf file contains the access credentials for the LDAP server.
- B. The smbldap-migrate-accounts command is used to migrate accounts from a LDAP server to a NT server.
- C. The smbldap-usershow command displays just the user accounts on the Samba server.
- D. smbldap-passwd is used to create and change users passwords.
- E. The smbldap-useradd command creates user accounts in both the Samba and LDAP backends.

**Answer: A,D**

**Explanation:**

**QUESTION NO: 174**

Which line should be added to smb.conf to avoid UID and GID inconsistencies across servers over SMB?

- A. ldap dn = ldap://ldapserver.com
- B. ldap server = ldap://ldapserver.com
- C. idmap backend = idmap\_rid:BUILTIN=ldapserver.com

- D. idmap backend = ldap:ldap://ldapserver.com
- E. ldap passwd sync = ldapserver.com

**Answer: D**

**Explanation:**

#### QUESTION NO: 175

How can the risk of UID/GID inconsistencies be avoided across UNIX/Linux systems that are sharing information over protocols other than SMB/CIFS (eg: NFS)?

- A. Specify a common LDAP idmap backend in smb.conf.
- B. Specify a common Kerberos realm in smb.conf.
- C. Specify a common domain name in smb.conf.
- D. Specify a common password server in smb.conf.
- E. Specify a common winbind id range in smb.conf.

**Answer: A**

**Explanation:**

#### QUESTION NO: 176

While attempting to create a user in the Samba database, the following message appeared: # smbpasswd -a john New SMB password: Retype new SMB password:

... Failed to initialise SAM\_ACCOUNT for user john. Does this user exist in the UNIX password

database?Failed to modify password entry for user john Select the correct explanation for why this error occurred.

- A. The user john must be created in the Linux environment before it can be added to the Samba database.
- B. The Samba database is not compatible with the Linux backend.
- C. The account user synchronization of Samba and Linux was not properly done.
- D. The SAM\_ACCOUNT script could not be started properly because the user running the smbpasswd command does not have enough permissions.

**Answer: A**

**Explanation:**

#### QUESTION NO: 177

The configuration below is contained in the Samba main configuration file: [homes] comment = Home folder writable = yes browseable = no valid users = %S However, an attempt at listing the share with smbclient didn't work. Which TWO options below could be possible reasons for this?

- A.** One of the reasons is that the browseable directive was set to no, denying the share listing to anonymous users.
- B.** If the smbclient command was executed by an authenticated user, the share would be listed.
- C.** The configurations above are correct, but the administrator forgot to reload the configuration by restarting the Samba daemon.
- D.** The real problem is in the valid users directive, which allows access to the share, but denies access to the Linux file system.
- E.** The writable option is in the wrong place in the configuration file.

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 178 CORRECT TEXT**

Which command will import an smbpasswd file located in /etc/samba to a TDB data file? \_\_\_\_\_ -I smbpasswd:/etc/samba/smbpasswd

Answer: PDBEDIT

#### **QUESTION NO: 179 CORRECT TEXT**

The \_\_\_\_\_ command will dump out the contents of a Samba printer drivers TDB file.

Answer: TDBDUMP

#### **QUESTION NO: 180 CORRECT TEXT**

When \_\_\_\_\_-level security is used, the client will be able to mount multiple shares without supplying further credentials after the first successful authentication.

Answer: USER

#### **QUESTION NO: 181**

Which of the following statements about the Samba 3 server are true? (Select THREE correct

answers.)

- A. The server can be a Domain Controller on an ADS domain.
- B. The server can join an ADS domain as a member.
- C. Provided the necessary UNIX groups are created and mapped, the server can automatically migrate usernames to the local SAM.
- D. User and group IDs are mapped to an LDAP backend by default.
- E. The server password backend supports LDAP operations.

**Answer: B,C,E**

**Explanation:**

### **QUESTION NO: 182 CORRECT TEXT**

Which parameter will hide the files or directories that a user cannot read?

Answer: HIDEUNREADABLE,HIDEUNREADABLE=YES

### **QUESTION NO: 183**

A software vendor states that their SMB client software may perform better if the maximum packet size of SMB commands is limited to 32768 bytes. How would Samba be instructed to limit the size of requests it will accept?

- A. echo 32768 > /proc/sys/smb/max-rx
- B. Start the smbd daemon with the -x 32768 option.
- C. Set socket options = TCP\_MAXRX\_HALF in smb.conf.
- D. Set max xmit = 32768 in smb.conf.

**Answer: D**

**Explanation:**

### **QUESTION NO: 184 CORRECT TEXT**

An anonymous user had her access denied while she was trying to access the share called reports on a Samba server using the smbclient command. Assuming that it is necessary for anonymous users to access that share, what must be configured (in the Samba configuration file) to allow access? Please specify the full directive and value.

Answer: GUESTOK=YES



**QUESTION NO: 185 CORRECT TEXT**

Below is an ACL entry from a slapd.conf file. Fill in the access control level setting to prevent users from retrieving passwords. access to attrs=lmPassword,ntPassword by n="cn=smbadmin,dc=samplenet" write by \* \_\_\_\_\_

Answer: NONE

**QUESTION NO: 186 CORRECT TEXT**

What VFS module will record the UID and IP address of any client that tries to open a file?

Answer: FULL\_AUDIT

**QUESTION NO: 187**

Which parameter in smb.conf prohibits users from accessing files outside of the share by following symbolic links?

- A. wide links = No
- B. follow links = No
- C. links = No
- D. No parameter is needed because smbd runs in a chroot jail.

Answer: A

Explanation:

**QUESTION NO: 188**

Which option is used when running smbclient with a file containing user credentials?

- A. -F
- B. -c
- C. -s
- D. -A

Answer: D

Explanation:

**QUESTION NO: 189**

A Samba server is configured to use the LDAP password backend. The root DN for the LDAP directory is defined in slapd.conf. In order to define an alternative account used by the Samba administrator, which steps are necessary? (Select THREE correct answers.)

- A. Make sure the password for the new administrative account matches the UNIX root password.
- B. Add a new Samba administrative account to the LDAP directory.
- C. Make certain that the 'ldap admin' option in smb.conf does not point to the LDAP root DN.
- D. Map the administrative account to the domain administrator.
- E. Change the 'access' attributes in slapd.conf.

**Answer: B,C,E**

**Explanation:**

**QUESTION NO: 190**

Which of the following are roles of the winbindd service? (Choose TWO correct answers)

- A. Maintain mappings between Unix UID/GID and Windows SID.
- B. Retrieve the user's password from the Windows server.
- C. Add machine accounts to the idmap table.
- D. User authentication by querying a Windows server.
- E. Proxy the request of the WINS search to the appropriate Windows server.

**Answer: A,D**

**Explanation:**

**QUESTION NO: 191 CORRECT TEXT**

The \_\_\_\_\_ daemon allows users and groups from a Samba domain to be recognized by Linux as system users in each machine of a domain, avoiding the need to create users locally.

Answer: WINBIND

**QUESTION NO: 192**

Select which groups must map to UNIX GIDs on a Samba server operating as a PDC. (Select TWO correct answers.)

- A. Domain Administrators
- B. Domain Users
- C. Domain Guests
- D. Domain Controllers
- E. Domain Operators

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 193**

What does the ! mean when used at the beginning of a line in the username map file?

- A. That account has been disabled.
- B. To stop processing the file if there is a match.
- C. It indicates that it is a system group, not a username.
- D. It is a comment.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 194 CORRECT TEXT**

Which command is used to test the winbind configuration in a Samba server?

Answer: WBINFO

#### **QUESTION NO: 195**

What does the character 'X' mean in the account flag of the smbpasswd database?

- A. This account is used for a trust relationship.
- B. The user has to change the password on their next login.
- C. Passwords have no time limit.
- D. This account has a password for LANMAN only and not NTLM.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 196**

Which command will display the groups a user belongs to on a remote SMB server?

- A. net rpc group info
- B. net rpc group member
- C. net rpc user info
- D. smblookup member
- E. smblookup user

**Answer: C**

**Explanation:**

**QUESTION NO: 197 CORRECT TEXT**

The net \_\_\_\_\_ command is used to manage group mapping. (Specify only the sub command.)

Answer: GROUPMAP

**QUESTION NO: 198 CORRECT TEXT**

The command \_\_\_\_\_ -x foo will delete the user foo from the Samba database. (Specify the command only, no path information.)

Answer: PDBEDIT

**QUESTION NO: 199**

In order to use the user and group mappings stored in an LDAP directory, which setting in smb.conf is correct?

- A. idmap backend = ldap://ldap.example.com:636
- B. idmap backend = ldap:ldap://ldap.example.com:636
- C. idmap backend = ldap server = ldap://ldap.example.com:636
- D. idmap backend = ldap

**Answer: B**

**Explanation:**

**QUESTION NO: 200**

Which option to smbldap-useradd will add a machine account?

- A. -m
- B. -W
- C. -w
- D. -M
- E. -h

**Answer: C**

**Explanation:**

#### QUESTION NO: 201

When running the configure script for Samba, which configuration option is used to include support for managing filesystem ACLs?

- A. -fs-acl
- B. -with-acl-support
- C. -ms-acl
- D. -with-fs-acl

**Answer: B**

**Explanation:**

#### QUESTION NO: 202

When upgrading from Samba 2 to Samba 3, which of the following points should be considered when user information is stored in a LDAP server? (Select TWO correct answers.)

- A. Never run the Samba 3 server before the configuration to use the LDAP server is complete.
- B. Convert all passwords in the LDAP server to the new encryption method.
- C. Set the domain SID of Samba 3 to the same value of Samba 2 with the net setlocalsid command.
- D. Dump all data files created by Samba 2, and restore them with Samba 3 to fix the ACLs.
- E. Change the permissions of the files created by Samba 2 to match the group permissions in Samba 3.

**Answer: A,C**

**Explanation:**

#### QUESTION NO: 203

To avoid having to add a machine trust account to a PDC for each Windows client in the domain (using the useradd command), a directive can be used in the Samba configuration file. Select the option below that shows the best solution for this situation.

- A. name resolve order = <correct order>
- B. machine map = /etc/samba/machines
- C. add machine script
- D. logon script
- E. read only = no

**Answer: C**

**Explanation:**

#### **QUESTION NO: 204**

Which of the following statements are true of the Samba Web Administration Tool? (Choose THREE correct answers)

- A. SWAT will completely replace your existing smb.conf file.
- B. By default, SWAT runs with SSL over HTTPS.
- C. No comments exist in a SWAT-generated smb.conf file.
- D. SWAT will not write a parameter to smb.conf if it is set to the default setting.
- E. For security purposes, Microsoft Windows user passwords cannot be changed via the SWAT web interface.

**Answer: A,C,D**

**Explanation:**

#### **QUESTION NO: 205**

Which files store printer and driver properties created on the server?

- A. ntprinters.tdb and ntdrivers.tdb
- B. printers.tdb and drivers.tdb
- C. ntforms.tdb and ntprinters.tdb
- D. printers.tdb and spooler.tdb
- E. print\_spool.tdb and ntdrivers.tdb

**Answer: A**

**Explanation:**

**QUESTION NO: 206 CORRECT TEXT**

The \_\_\_\_\_ parameter in smb.conf limits the maximum number of jobs allowed in a Samba printer queue at any given moment.

Answer: MAXPRINTJOBS

**QUESTION NO: 207**

For Samba to be able to work as a PDC, some modifications are needed in its main configuration file. Select the THREE options below that show the required actions for this task.

- A.** The Samba server has to be a logon server. This can be configured by the domain logons directive.
- B.** The Samba server needs to have the logon and the account creation scripts, to properly setup the PDC environment.
- C.** The Samba server must be a Domain Master Browser. To configure this, the domain master directive must be set to yes.
- D.** The time server = yes directive needs to be configured, so Samba will behave as a WINS server and also a Time server.
- E.** The security = user directive must be set.

Answer: A,C,E

Explanation:

**QUESTION NO: 208**

Which option below shows the correct command line to list the shares exported by the Samba server called NAME?

- A.** smbcontrol -L
- B.** smbclient -N NAME
- C.** smbclient -L NAME
- D.** smbmount -L NAME

Answer: C

Explanation:

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**QUESTION NO: 209 CORRECT TEXT**

The \_\_\_\_\_ command lists the domain group mappings. (Provide the full command with arguments.)

Answer: NETGROUPMAPLIST

**QUESTION NO: 210**

In the smb.conf file, what does the %S variable mean?

- A. Session Username
- B. The name of the Samba Server.
- C. The name of the service after the connection has been established.
- D. The local IP address to which the client connected.

Answer: C

Explanation:

**QUESTION NO: 211**

Which command will launch smbd in daemon mode, overwriting existing log files, and listen on port 139?

- A. /usr/sbin/smbd -D -o -P 139
- B. /usr/sbin/smbd -D -f /var/log/samba/smbd.log -P 139
- C. /usr/sbin/smbd -D -f /var/log/samba/
- D. /usr/sbin/smbd -D -o

Answer: D

Explanation:

**QUESTION NO: 212**

Which parameter should be set in smb.conf to enable off-line caching of data files.

- A. offline policy = documents
- B. offline = documents
- C. csc policy = documents
- D. vfs objects = offline



**Answer: C**

**Explanation:**

**QUESTION NO: 213**

What is the most suitable procedure for naming a Samba 3 server with non-English characters?

- A. Specify the character set with the unix charset parameter in smb.conf.
- B. Start the Samba daemons with an appropriate locale.
- C. Specify the character set with the coding system parameter in smb.conf
- D. Encode non-English characters using BASE64.
- E. Escape non-English characters with octal code numbers.

**Answer: A**

**Explanation:**

**QUESTION NO: 214**

Which smb.conf setting will load the audit and recycle VFS modules?

- A. vfs = audit recycle
- B. vfs modules = audit,recycle
- C. vfs modules = audit recycle
- D. vfs objects = audit recycle

**Answer: D**

**Explanation:**

**QUESTION NO: 215**

What does the following command below do? `smbclient //server/Reports -U func`

- A. The Samba server administrator is providing access permissions to the Reports share to user func.
- B. User func is downloading the content located in the Reports share of Samba server.
- C. Computer func is trying to make a connection with a Samba server share, and the command will prompt for the username and password.
- D. User func is trying to connect to the Reports share in the Samba server.

**Answer: D**

**Explanation:**

**QUESTION NO: 216**

The log level parameter in smb.conf should normally not be set higher than 2 because:

- A. Credentials supplied by the user are logged, which poses a security risk.
- B. The increased verbosity has a negative impact on network bandwidth.
- C. Most Samba administrators cannot understand the information presented at higher log levels.
- D. The server flushes the log file after each operation, which affects overall performance.

**Answer: D**

**Explanation:**

**QUESTION NO: 217 CORRECT TEXT**

The command `smbldap-useradd _____` will add the domain FOO as a trusted domain.  
(Specify the options and arguments ONLY.)

Answer: `-IFOO`

**QUESTION NO: 218**

Which is the correct procedure to remove a machine account from a Samba PDC? Choose the TWO correct procedures:

- A. First of all, the account must be removed from Samba database, using the `smbpasswd` command.
- B. First of all, the account must be removed from Linux accounts database, using the `userdel` command.
- C. The second step is remove the account from Samba database, using the `smbpasswd` command.
- D. The second step is remove the account from the Linux accounts database, using the `userdel` command.
- E. The second step is restart the Samba daemon.

**Answer: A,D**

**Explanation:**

**QUESTION NO: 219 CORRECT TEXT**

When \_\_\_\_\_-level security is used, the client will be able to mount multiple shares without supplying further credentials after the first successful authentication.

Answer: USER

**QUESTION NO: 220 CORRECT TEXT**

The \_\_\_\_\_ command can be used to validate and backup a TDB file.

Answer: TDBBACKUP

**QUESTION NO: 221**

Which of the following ports are used by smbd? (Choose THREE correct answers)

- A. 135/TCP
- B. 137/UDP
- C. 138/UDP
- D. 139/TCP
- E. 445/TCP

Answer: A,D,E

Explanation:

**QUESTION NO: 222**

Which files will be stored inside the directory specified below? # smbd -b |grep LOCKDIR  
LOCKDIR: /var/cache/samba

- A. Configuration files
- B. TDB files
- C. WINS name cache files
- D. Samba print spool files

Answer: B

Explanation:

**QUESTION NO: 223**

The text below is an excerpt of the Samba main configuration file. Select the THREE correct statements:

```
[global] logon script = logon.cmd [netlogon] path = /var/lib/samba/netlogon read only = yes write list = root
```

- A. The logon script has to be in ASCII Linux format.
- B. The file excerpt shows that Samba will instruct the client to execute a logon script in order to prepare the user's environment.
- C. The logon script directive is always relative to the [netlogon] share.
- D. Any user can modify the logon.cmd script.
- E. Samba doesn't provide the logon.cmd script contents.

**Answer: B,C,E**

**Explanation:**

#### QUESTION NO: 224

Which command would be used to search for all available workgroups/domains and NetBIOS names?

- A. nmblookup
- B. findsmb
- C. smbget
- D. smbclient

**Answer: B**

**Explanation:**

#### QUESTION NO: 225

How can it be checked that a machine was successfully added to an Active Directory environment?

- A. net RPC testjoin
- B. tdbdump /etc/samba/secret.tdb
- C. testparm -v |grep join
- D. net ADS testjoin

**Answer: D**

**Explanation:**

**QUESTION NO: 226**

What are the requirements for configuring a Samba file server to work in Active Directory mode? (Choose THREE correct answers.)

- A. Join a domain using the command: net ads join
- B. Specify a realm in the smb.conf file.
- C. Synchronize time with the realm server.
- D. Use Winbind in the ADS mode with this command: winbindd -krb5
- E. Create an administrator account with the pdbedit command.

**Answer: A,B,C**

**Explanation:**

**QUESTION NO: 227**

Which of the following are true when considering SMB/CIFS browsing? (Choose THREE correct answers)

- A. Servers and workstations register their presence to the network.
- B. One or more machines on the network collate the local announcements.
- C. It is not possible to share NetBIOS name information across subnets.
- D. Elections are held to determine the roles of certain servers.
- E. Currently, only Microsoft Windows servers can initiate an election.

**Answer: A,B,D**

**Explanation:**

**QUESTION NO: 228 CORRECT TEXT**

When configuring a Samba logon server to force Windows clients to run login.bat upon login, what setting must be added to smb.conf to force execution of this script? Assume that the path to the script is not needed. (Enter the correct parameter and value)

**Answer: LOGONSCRIPT=LOGIN.BAT**

**QUESTION NO: 229**

Which command will mount the accounting share hosted on the Windows server with the NetBIOS name joeserv.

- A. mount -t smbfs -h joeserv \\accounting /mnt
- B. mount -t smbfs -h joeserv //accounting /mnt
- C. mount -t smbfs \\joeserv\accounting /mnt
- D. mount -t smbfs //joeserv/accounting /mnt

**Answer: D**

**Explanation:**

#### QUESTION NO: 230 CORRECT TEXT

After specifying wins server = 192.168.0.3 in smb.conf, the nmbd daemon now fails to start. This is probably because the setting \_\_\_\_\_ = yes was also specified.

Answer: WINSSUPPORT

#### QUESTION NO: 231

Which of the following are true of CIFS? (Choose TWO correct answers)

- A. Filenames can be in any character set.
- B. Filenames can have a maximum length of 127 characters.
- C. Unlike SMB, CIFS is not optimized for slow network connections.
- D. Opportunistic Locks are supported.

**Answer: A,D**

**Explanation:**

#### QUESTION NO: 232

What is the most suitable procedure for accessing a Windows machine by its NetBIOS name from a Linux system?

- A. Setup a dynamic DNS server to accept updated records from the Windows machine.
- B. Run nmbd and winbindd on the Linux system and enable the WINS proxy.
- C. Import the list of the NetBIOS names into a NIS server and enable a NIS client on the Linux system.
- D. Install libnss\_wins.so on the Linux system and configure the name service switch subsystem.

**Answer: D**

**Explanation:**

**QUESTION NO: 233**

Which command CANNOT be used to mount a shared filesystem in your Linux environment?

- A. `mount.cifs //server/share /mnt -o user=user`
- B. `mount -t cifs //server/share /mnt -o user=user`
- C. `mount -t smbfs //server/share /mnt -o username=user`
- D. `smbmount //server/share /mnt -o username=user`
- E. `cifsmount //server/share /mnt -o username=user`

**Answer: E**

**Explanation:**

**QUESTION NO: 234**

What are the correct alternatives to the `nmblookup` command when performing NetBIOS lookups? (Select THREE correct answers.)

- A. `nmblookup "server#20"` looks for an authentication server called server.
- B. `nmblookup -S name` lists the recorded names by the NetBIOS machine called name.
- C. `nmblookup -A` lists all recorded names in the local NetBIOS server.
- D. `nmblookup "testing#1d"` looks for a Local Master Browser for the workgroup TESTING.
- E. `nmblookup "server#1D"` looks for a Master Browser Server called server.

**Answer: B,D,E**

**Explanation:**

**QUESTION NO: 235**

Which of the following are valid name resolution options for the `name resolve order` parameter in `smb.conf`? (Choose THREE correct answers)

- A. `host`
- B. `files`
- C. `ldap`
- D. `wins`
- E. `bcast`

**Answer: A,D,E**

**Explanation:**

**QUESTION NO: 236**

In order to restrict access to the SMB (445/tcp) port and stop the use of NetBIOS (139/tcp), what parameter is required in smb.conf in Samba 3?

- A. disable netbios = Yes
- B. smb port = 445
- C. disable directhosting = No
- D. socket options = port:445

**Answer: B**

**Explanation:**

**QUESTION NO: 237**

In order to successfully configure cross-subnet browsing for the replication of browse lists, every subnet must:

- A. have one WINS server.
- B. have one Local Master Browser.
- C. have one Domain Master Browser
- D. have a DHCP server capable of providing the WINS server's address to each client.

**Answer: B**

**Explanation:**

**QUESTION NO: 238 CORRECT TEXT**

What is the lowest possible value for the os level parameter in smb.conf to ensure your Samba server will always win the election against any Microsoft server? (Enter only the number in numeric format)

Answer: 33

**QUESTION NO: 239**

Which smb.conf directive is required to configure a Samba server to act as a WINS server?

- A. wins proxy
- B. wins server
- C. wins support



D. Nothing needs to be done. All Samba servers are automatically a WINS server.

**Answer: C**

**Explanation:**

**QUESTION NO: 240 CORRECT TEXT**

The \_\_\_\_\_ command displays, along with other information, the computers in the NetBIOS network working as a text mode equivalent to the Windows My Network Places feature.

Answer: FINDSMB

**QUESTION NO: 241 CORRECT TEXT**

You need to configure Roaming Profiles in a Samba server called TECH. You have to create the profile in a sub-directory called profiles inside of each user's home directory. What is the correct logon path setting?

Please specify the full line with parameter and value.

Answer: LOGONPATH=\\TECH\\%U\\PROFILES

**QUESTION NO: 242**

Which of the following is the correct syntax for including a schema file in slapd.conf?

- A. include /usr/local/etc/openldap/schema/core.schema
- B. allow /usr/local/etc/openldap/schema/core.schema
- C. permit /usr/local/etc/openldap/schema/core.schema
- D. add /usr/local/etc/openldap/schema/core.schema

**Answer: A**

**Explanation:**

**QUESTION NO: 243**

What does the LDIF acronym stand for?

- A. Lightweight Database Interchange Format
- B. LDAP Database Interchange Format

- C. LDAP Data Internet File
- D. LDAP Data Interchange Format

**Answer: D**

**Explanation:**

**QUESTION NO: 244**

Which of the following describes correct LDAP service definitions? (Choose THREE correct answers.)

- A. LDAP was developed as a lightweight alternative to DAP.
- B. LDAPv6 is the latest stable version specified by RFCs.
- C. LDAP follows the X.500 directory standard.
- D. X.500 directories can run only over TCP/IP.
- E. LDAP is optimized for searching information.

**Answer: A,C,E**

**Explanation:**

**QUESTION NO: 245**

Select the INCORRECT statement regarding the LDIF file format:

- A. It must contains a "dn" line (or distinguished name), that indicates where the attributes listed in the following lines of the file must be added.
- B. In the file, a blank line separates one entry from another one.
- C. If the attribute contains binary data, some specific configurations must be made for this entry.
- D. The LDIF file accepts any type of file encoding.

**Answer: D**

**Explanation:**

**QUESTION NO: 246 CORRECT TEXT**

All entries in an LDAP directory must have the \_\_\_\_\_ attribute.

Answer: OBJECTCLASS

**QUESTION NO: 247**

A private OID should be obtained for a company when:

- A. That company runs out of public OIDs.
- B. The company intends to use LDAP for commercial purposes.
- C. The company wants to make their directory available to the public on the World Wide Web.
- D. The company plans to create custom schema files for their directory.

**Answer: D**

**Explanation:**

#### QUESTION NO: 248

When assigned to the ref attribute for ou=people,dc=example,dc=com, which of the following values will create a subordinate knowledge link to slave.example.com?

- A. ldap://slave.example.com/ou=people,dc=example,dc=com
- B. ldap://slave.example.com?ou=people,dc=example,dc=com
- C. ldap://slave.example.com ou=people,dc=example,dc=com
- D. ldap://slave.example.com,ou=people,dc=example,dc=com

**Answer: A**

**Explanation:**

#### QUESTION NO: 249

Which statements are true of object classes in an LDAP directory? (Choose TWO correct answers)

- A. Auxiliary object classes - when used on their own - provide access to extended schema.
- B. An entry cannot have more than one auxiliary object class.
- C. An entry cannot have more than one structural object class.
- D. Once an entry has been created, its structural object class cannot be changed without re-creating the entry.
- E. Abstract object classes are no longer officially supported by the LDAP protocol.

**Answer: C,D**

**Explanation:**

#### QUESTION NO: 250

What is true of any created custom attribute or object class?

- A. It cannot be placed in one of the default distributed schema files.
- B. The name must be registered with IANA to avoid conflicts with other custom schemas.
- C. It must have a unique OID.
- D. It must not contain any numbers.

**Answer: C**

**Explanation:**

**QUESTION NO: 251 CORRECT TEXT**

The \_\_\_\_\_ object class is used to point to a host that holds a subtree in a distributed directory model. (Please enter only the object class name.)

Answer: REFERRAL

**QUESTION NO: 252**

Which of the following is correct about this excerpt from an LDIF file? dn:

cn=PrintOperators,ou=Groups,ou=IT,o=BR

- A. dn is the domain name.
- B. o is the organizational unit.
- C. cn is the common name.
- D. dn is the relative distinguished name.

**Answer: C**

**Explanation:**

**QUESTION NO: 253 CORRECT TEXT**

When configuring a Unix client to authenticate against a Microsoft Active Directory server, the top-level entry in the domain is dc=ad,dc=example,dc=com. What is the default DN of the container where users and groups are stored?

Answer: CN=USERS,DC=AD,DC=EXAMPLE,DC=COM

**QUESTION NO: 254**

When logged in to a workstation which retrieves most of its user information from NIS, which

command can be used to list ALL the users?

- A. cat /etc/passwd
- B. show users
- C. ypsusers list
- D. getent passwd
- E. cat /var/lib/nis/passwd

**Answer: D**

**Explanation:**

#### **QUESTION NO: 255**

An administrator has manually migrated local accounts to LDAP, instead of using the migration tools. When trying to authenticate as a user, an error is returned about invalid credentials. What is the most likely cause of this?

- A. The password hash type was not included in the user's password attribute.
- B. Shadow passwords are incompatible with OpenLDAP.
- C. The original password from /etc/passwd was not included.
- D. The administrator forgot to run slappasswd to convert the hashes in /etc/shadow.
- E. The administrator forgot to run ldappasswd to convert the hashes in /etc/shadow.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 256**

What strategy is used to initialize NIS maps?

- A. Create the yp.conf configuration file then restart the NIS server process.
- B. Create the nis.conf configuration file then restart the NIS server process.
- C. Start ypserver with the -new option.
- D. Execute the make command from the /var/yp directory.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 257**

After configuring PAM and NSS to integrate with OpenLDAP, the SSH server refuses to

authenticate users who are only in LDAP. What is the first step you should follow to debug this problem?

- A. Restart the pamd service.
- B. Restart the sshd service.
- C. Restart the nssd service.
- D. Add the Use\_LDAP = yes parameter to sshd\_config.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 258**

Which are common procedures to implement Samba with LDAP? (Choose TWO correct answers.)

- A. Include the Samba schema into OpenLDAP.
- B. Configure Samba password backend to point to OpenLDAP server.
- C. Compile OpenLDAP with support to Samba authentication.
- D. Include OpenLDAP core schema files into Samba configuration directory.

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 259**

Which attributes must be present when assigning the object class sambaSamAccount to a particular user? (Choose TWO correct answers)

- A. displayName
- B. sambaSID
- C. uid
- D. sambaLMPassword
- E. sambaNTPassword

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 260**

On a Postfix mail server, the command postconf -m is run to determine if OpenLDAP is supported. Which storage medium would indicate support for OpenLDAP?

- A. ldap
- B. openldap
- C. x500
- D. dbm
- E. ldaptable

**Answer: A**

**Explanation:**

#### **QUESTION NO: 261**

After finishing configuring of a Unix client to authenticate with a Microsoft Active Directory server, login attempts are unsuccessful. Which of the following is most likely the cause?

- A. Unix Client support is disabled in the Active Directory configuration.
- B. The PAM library is searching the directory with the default search filter.
- C. The slapd daemon is not running.
- D. The user account in Active Directory has the remote login setting disabled.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 262 CORRECT TEXT**

When configuring LDAP support on a FreeRADIUS server, which rlm\_ldap parameter is used in the radiusd.conf file to enable TLS? (Please enter the parameter only with no values.)

Answer: START\_TLS

#### **QUESTION NO: 263**

A user is unable to login on a workstation where NSCD was configured BEFORE the pam\_ldap and nss\_ldap modules. What should be done to fix this problem?

- A. Restart the NSS server.
- B. Restart the nscd daemon.
- C. Restart the PAM server.
- D. nscd is incompatible with OpenLDAP and should be disabled.
- E. nscd must be started with the -ldap=yes option.

**Answer: B**

**Explanation:**

**QUESTION NO: 264**

Which LDAP object class is used in a white pages implementation?

- A. friendlyPerson
- B. organizationalRole
- C. posixAccount
- D. inetOrgPerson
- E. whitepageUser

**Answer: D**

**Explanation:**

**QUESTION NO: 265**

Which of the following are valid LDAP client commands? (Choose TWO correct answers.)

- A. ldappasswd
- B. ldapbrowser
- C. slapcat
- D. ldapwhoami
- E. slaptest

**Answer: A,D**

**Explanation:**

**QUESTION NO: 266 CORRECT TEXT**

Which slapd database tool is used to add information to the directory while it is offline? (Enter the command with no path, options or parameters)

Answer: SLAPADD

**QUESTION NO: 267 CORRECT TEXT**

Which changetype operation is used to rename the Relative Distinguished Name (RDN) of an LDAP entry?



Answer: MODRDN

**QUESTION NO: 268**

Which of the following switches for the ldapsearch command makes sure that search referrals are followed?

- A. -r
- B. -C
- C. -S
- D. -R

**Answer: B**

**Explanation:**

**QUESTION NO: 269 CORRECT TEXT**

The \_\_\_\_\_ command should be used to backup your LDAP data while slapd is NOT running.

Answer: SLAPCAT

**QUESTION NO: 270 CORRECT TEXT**

The \_\_\_\_\_ command is used to check the integrity of the slapd.conf file. (Enter only the command, without any options or parameters.)

Answer: SLAPTEST

**QUESTION NO: 271**

When two databases are defined in slapd.conf, which of the following commands will provide a full dump of the second database?

- A. slapcat -n 2
- B. slapcat -2
- C. slapcat -database 2
- D. slap\_dumpall -name nameofdatabase

**Answer: A**

**Explanation:****QUESTION NO: 272**

Which of the following arguments complete the command which will search for cn=ldapadmin OR ou=BR recursively in the directory? ldapsearch -LLL -h server -s sub -b "o=inc" "\_\_\_\_\_"

- A. ( (cn=ldapamin)|(ou=BR) )
- B. ( |(cn=ldapamin) (ou=BR) )
- C. ( (cn=ldapamin) (ou=BR) )
- D. ( (cn=ldapamin) (ou=BR)| )
- E. ( (cn=ldapamin)|| (ou=BR) )

**Answer: B**

**Explanation:****QUESTION NO: 273**

Which of the following steps should be followed when configuring a slave slapd server? (Choose THREE correct answers.)

- A. Add a replica directive to slapd.conf.
- B. Do not add a relogfile directive to slapd.conf.
- C. Add an updatedn directive to slapd.conf.
- D. Add a relogfile directive to slapd.conf.
- E. Do not add a replica directive to slapd.conf.

**Answer: B,C,E**

**Explanation:****QUESTION NO: 274 CORRECT TEXT**

The \_\_\_\_\_ daemon provides the capability for a master slapd server to propagate changes to a slave.

Answer: SLURPD,SLURP

**QUESTION NO: 275**

Which of the following is the most appropriate method of debugging problems concerning ACLs?

- A. Stop the OpenLDAP server daemon and run the command `slapd -d 128`.
- B. Stop the OpenLDAP server daemon and run the command `slapd -d 32`.
- C. Stop the OpenLDAP server daemon and run the command `slapd -log_acl`.
- D. Stop the OpenLDAP server daemon and run the command `slapd -debug_acl`.

**Answer: A**

**Explanation:**

#### QUESTION NO: 276

After analyzing a `slapd.conf` file, an administrator noted that the `rootdn` and `rootpw` directives are not present. Where is the LDAP administrator account defined?

- A. It is using the default account `admin` with the password `admin`.
- B. The account is defined by an ACL in `slapd.conf`.
- C. It is using the default account `admin` with a null password.
- D. The account is defined in the file `/etc/ldap.secret`.
- E. The account is defined in the file `/etc/ldap.root.conf`.

**Answer: B**

**Explanation:**

#### QUESTION NO: 277

After modifying the indexes for a database in `slapd.conf` - and running `slapindex` - the `slapd` daemon refuses to start when its init script is called. What is the most likely cause of this?

- A. The indexes are not compatible with the init script.
- B. The init script cannot be run after executing `slapindex`, without first signing the indexes with `slapsign`.
- C. The init script has identified one or more invalid indexes.
- D. The init script is starting `slapd` as an ordinary user, and the index files are owned by `root`.

**Answer: D**

**Explanation:**

#### QUESTION NO: 278

Which option should be used to disable anonymous binds to your LDAP directory?

- A. `disallow bind_anon`

- B. disallow bind\_anon\_cred
- C. disallow bind\_simple\_unprotected
- D. disallow bind\_simple

**Answer: A**

**Explanation:**

**QUESTION NO: 279 CORRECT TEXT**

Which slapd.conf directive defines the level of logging slapd will perform?

Answer: LOGLEVEL

**QUESTION NO: 280**

Which ONE of the following parameters is used in the database on a slave server to direct clients that want to make changes to the LDAP database to the master server?

- A. updatedn
- B. updateserver
- C. updateref
- D. updateuri

**Answer: C**

**Explanation:**

**QUESTION NO: 281 CORRECT TEXT**

Which port number should be used to test LDAP Security Sockets Layer (SSL) traffic?

Answer: 636

**QUESTION NO: 282**

When configuring LDAP to use certificates, which option should be used with the TLSVerifyClient directive to ask the client for a valid certificate in order to proceed normally?

- A. never
- B. allow

- C. try
- D. demand

**Answer: D**

**Explanation:**

**QUESTION NO: 283 CORRECT TEXT**

Which configuration directive must be used in the example below to setup replication to a slave server?

```
_____ uri=ldaps://slave.example.com:636 binddn="cn=Replicator,dc=example,dc=com"  
  
bindmethod=simple credentials=secret
```

Answer: REPLICA

**QUESTION NO: 284**

Which of the following parameters in slapd.conf are used to tune the database cache size? (Choose TWO answers.)

- A. dcachesize
- B. dbcachesize
- C. databasecachesize
- D. cachesize

**Answer: B,D**

**Explanation:**

**QUESTION NO: 285 CORRECT TEXT**

In an LDAP slave's slapd.conf configuration file, which parameter must match the binddn parameter of the master server?

Answer: UPDATEDN

**QUESTION NO: 286**

An administrator notices that searches are being processed sequentially and taking a long time to

complete. What should be done to speed up the searches?

- A. Add the correct indexes in slapd.conf, stop the server and run slapindex.
- B. Refine the search filter.
- C. Use the -binarytreesearch option with ldapsearch.
- D. Use the -fuzzy option with ldapsearch.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 287**

Which command will instruct slurpd to process the replication error log in one-shot mode for the server 192.168.0.3?

- A. slurpd -r -h 192.168.0.3 -o
- B. slurpd -r /path/to/replication/error/log -o
- C. slurpd -r -o < /path/to/replication/error/log
- D. slurpd -r -f /path/to/replication/error/log -o
- E. slurpd -r -o 192.168.0.3

**Answer: B**

**Explanation:**

#### **QUESTION NO: 288 CORRECT TEXT**

The following is an excerpt from a replication error log:

ERROR: No such attribute

replica: slave.example.com:389

time: 809618633

dn: uid=bjensen,dc=example,dc=com

changetype: modify

replace: description

description: A dreamer...

-

replace: modifiersName

modifiersName: uid=bjensen,dc=example,dc=com

-

replace: modifyTimestamp

modifyTimestamp: 20000805073308Z

-

What is the name of this file? (Enter only the file name and no path information.)

Answer: REPLOG.SLAVE.EXAMPLE.COM:389.REJ

### QUESTION NO: 289

To restrict user authentication to ONLY users who belong to a specific organizational unit, which file should be modified?

- A. ldap.conf
- B. pam\_ldap.conf
- C. pam.conf
- D. /etc/pam.d/login
- E. /etc/pam.d/ldap

Answer: A

Explanation:

### QUESTION NO: 290

Which of the following tools are used to measure memory usage? (Select THREE correct answers.)

- A. mpstat
- B. pstree
- C. sar
- D. top
- E. vmstat

Answer: C,D,E

Explanation:

**QUESTION NO: 291**

When performing a capacity planning exercise, when would taking measurements be most appropriate?

- A. During successful operation.
- B. During an overload or an episode.
- C. After an overload or an episode.
- D. After replacing problematic hardware.

**Answer: A**

**Explanation:**

**QUESTION NO: 292**

In the following output, what resource is the program being observed using the most?

procs			memory				swap		io		system				cpu	
r	b	w	swpd	free	buff	cache	si	so	bi	bo	in	cs	us	sy	id	
1	0	0	0	76272	67784	55956	0	0	35	16	107	36	5	2	93	
0	0	0	0	24936	67992	55960	0	0	0	3	281	412	18	26	56	
8	0	0	0	4040	62872	51080	0	0	0	6	202	247	16	13	71	
0	0	0	56	3384	34444	21744	0	0	0	17	205	245	16	16	68	
0	0	0	1128	3532	31032	18868	0	27	0	31	151	119	9	11	81	
2	0	0	1044	19136	31044	18868	0	0	0	2	106	67	3	4	93	

- A. CPU
- B. memory
- C. disk I/O
- D. network I/O

**Answer: B**

**Explanation:**

**QUESTION NO: 293**

What operating system tools can be used to collect capacity planning data? (Select TWO correct)



```

procs
r b w swpd      free  buff  cache si so  bi   bo  in  cs us sy id
1 0 0      0 143904 25484 50724 0 0 30    8 104 33 3 2 95
0 0 0      0 143740 25572 50728 0 0 0     9 101 21 1 0 98
1 0 0      0 136772 28760 50728 0 0 255   58 190 190 3 5 92
1 0 0      0 118452 41596 50728 0 0 766   518 294 403 3 8 90
0 1 2      0 90260 61560 50728 0 0 622 1214 344 333 3 7 90
0 0 0      0 83816 65716 50728 0 0 270 393 265 188 2 5 93

```

- A. fuser
- B. iostat
- C. lsmod
- D. vmstat

**Answer: B,D**

**Explanation:**

#### QUESTION NO: 294

Which of the following tools are used to measure network I/O?

```

procs
r b w swpd      free  buff  cache si so  bi   bo  in  cs us sy id
1 0 0      0 143904 25484 50724 0 0 30    8 104 33 3 2 95
0 0 0      0 143728 25584 50728 0 0 0     55 113 21 1 1 98
1 0 0      0 118452 41596 50728 0 0 766   518 294 403 3 8 90
1 0 0      0 105692 49912 50728 0 0 774    58 294 406 4 4 92
0 1 2      0 90260 61560 50728 0 0 622 1214 344 333 3 7 90
0 0 0      0 83816 65716 50728 0 0 270 393 265 188 2 5 93

```

- A. iostat
- B. netstat
- C. route
- D. vmstat

**Answer: B**

**Explanation:**

#### QUESTION NO: 295

What is the goal of capacity planning? (Select THREE correct answers.)

- A. Ensuring sufficient resources for growth.

- B. Selecting a computer vendor.
- C. Sizing computers for a specific load.
- D. Diagnosing capacity problems.
- E. Troubleshooting a software problem.

**Answer: A,C,D**

**Explanation:**

**QUESTION NO: 296**

In the following output, what does the 1 in the b column indicate?

- A. A process is swapped and waiting.
- B. A process is waiting.
- C. A process is waiting on a parent to check its exit value.
- D. A process is blocked on I/O.

**Answer: D**

**Explanation:**

**QUESTION NO: 297**

When investigating memory usage, what is the most important measurement for capacity planning purposes?

- A. Resident set size (RSS)
- B. Total memory
- C. Virtual memory size (VSZ)
- D. Swap memory usage

**Answer: A**

**Explanation:**

**QUESTION NO: 298**

In the following output, what resource is the program being observed using the most?

- A. CPU
- B. memory
- C. disk I/O
- D. network I/O

**Answer: C****Explanation:****QUESTION NO: 299**

Which of the following resources would be measured for capacity planning? (Select TWO correct answers.)

- A. CPU usage
- B. disk usage
- C. application load time
- D. memory usage

**Answer: A,D****Explanation:****QUESTION NO: 300**

In the following output, what was the maximum number of processes swapped out at any time?

```
procs      memory  swap    io    system      cpu
r  b  w  swpd  free  buff  cache si so bi bo  in  cs us  sy  id
1  0  0    0 76272 67784 55956 0 0 35 16 107 36 5 2 93
0  0  0    0 24936 67992 55960 0 0 0 3 281 412 18 26 56
8  0  0    0 4040 62872 51080 0 0 0 6 202 247 16 13 71
0  0  0   56 3384 34444 21744 0 0 0 17 205 245 16 16 68
0  0  0 1128 3532 31032 18868 0 27 0 31 151 119 9 11 81
2  0  0 1044 19136 31044 18868 0 0 0 2 106 67 3 4 93
```

- A. 0
- B. 1
- C. 2
- D. 8
- E. 27

**Answer: A****Explanation:****QUESTION NO: 301**

What operating system tools can be used to collect capacity planning data? (Select TWO correct answers.)

- A. fuser
- B. lsof
- C. ps
- D. top

**Answer: C,D**

**Explanation:**

#### **QUESTION NO: 302**

In capacity planning exercises, what tools assist in identifying processes of interest from other processes? (Select TWO correct answers.)

- A. acpid
- B. lsof
- C. pstree
- D. w

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 303**

Which of the following are common Net::LDAP methods? (Choose THREE correct answers.)

- A. bind
- B. query
- C. error
- D. search
- E. unbind

**Answer: A,D,E**

**Explanation:**

#### **QUESTION NO: 304 CORRECT TEXT**

The \_\_\_\_\_ Perl module gives the programmer the ability to work with LDIF files in Perl. (Specify the module in Perl's Module::Submodule... format.)

**Answer: NET::LDAP::LDIF**

**QUESTION NO: 305**

The following excerpt is from a Perl script that reads a LDAP database and writes a LDIF file:  
\$ldap = Net::LDAP->new( 'ldap.server.com' ); \$mesg = \$ldap->bind( 'cn=incadmin,o=inc',  
password => 'secret');[YOUR ANSWER GOES HERE] Net::LDAP::LDIF->new( \\*STDOUT,"w" )->write( \$mesg->entries ); \$mesg=\$ldap->unbind; Which code snippet contains the correct query?

- A. \$mesg = \$ldap->search(base => 'o=inc',);
- B. \$mesg = \$ldap->search( base => 'cn=incadmin,o=inc', scope => 'one', filter => '(objectclass=\*)' );
- C. \$mesg = \$ldap->search( base => 'o=inc', scope => 'sub', filter => '(objectclass=\*)');
- D. \$mesg = \$ldap->search( base => 'o=inc', recursive => 'yes', filter => '(\*)' );

**Answer: C**

**Explanation:**

**QUESTION NO: 306 CORRECT TEXT**

Which configuration option will enable SSL/TLS encryption when compiling OpenLDAP?

Answer: --WITH-TLS,WITH-TLS

**QUESTION NO: 307**

An administrator is adding several LDIF files to the directory with slapadd, and the new entries are not displayed when ldapsearch is used. Assuming that there is no database corruption, what is the most appropriate solution to the problem?

- A. Stop the slapd process and add the files again with slapadd.
- B. Run slaprefresh\_all.
- C. Run ldaprefresh\_all.
- D. Stop the slapd process, run slapindex, and then correct the entries using slap\_vacuum.

**Answer: A**

**Explanation:**

**QUESTION NO: 308**

Which command should be used to optimize LDAP searches?

- A. ldapsearch -b sub

- B. make /var/lib/openldap-data/
- C. slapindex
- D. slapd -r +20
- E. slapd -instances=10 -f

**Answer: C**

**Explanation:**

## Topic 4, Volume D

### QUESTION NO: 309 CORRECT TEXT

The \_\_\_\_\_ command, included with OpenLDAP, will generate password hashes suitable for use in slapd.conf. (Enter the command with no options or parameters)

Answer: SLAPASSWD

### QUESTION NO: 310

What settings may a user enter when configuring Microsoft Outlook to connect to an LDAP white pages service? (Choose THREE correct answers.)

- A. Maximum number of entries to return on a successful search
- B. SASL configuration
- C. Search base
- D. Search timeout
- E. Alias dereferencing options

**Answer: A,C,D**

**Explanation:**

### QUESTION NO: 311

What does the slapindex tool do?

- A. Displays information about the currently configured indexes.
- B. Regenerates indexes defined in slapd.conf
- C. Displays only the DN of every entry in the directory, sorted by container.
- D. Defragments the LDAP database files.

**Answer: B**

**Explanation:**

**QUESTION NO: 312**

Which command will perform a one-level search from the DN c=INC, for all entries whose organization's name begins with RioDeJaneiro?

- A. `ldapsearch -LLL -b "c=INC" "(o=description)" RioDeJaneiro*`
- B. `ldapsearch -b "c=INC" -f "(o=description,cn=RioDeJaneiro%)"`
- C. `ldapsearch -LLL -s one -b "c=INC" "(o=RioDeJaneiro*)"`
- D. `ldapsearch -s sub -b "c=INC" -f "(o=RioDeJaneiro)(description)"`

**Answer: C**

**Explanation:**

**QUESTION NO: 313**

Which of the following statements about the `ldapsearch` command are true? (Select THREE correct answers.)

- A. With the `-x` option, the simple bind authentication method will be used.
- B. It is possible to configure a specific LDAP server for the search with the `-h` option.
- C. The `-b` option specifies the database where the LDIF file will be included.
- D. The `-L` option is useful when for viewing details of LDIF files.
- E. The `-Z` option requires a successful StartTLS operation in order to continue.

**Answer: A,B,D**

**Explanation:**

**QUESTION NO: 314**

When importing the contents of one directory into another, the administrator is adding entries with the `slapadd` command. Which of the following statements are true? (Choose THREE correct answers.)

- A. `slapindex` must be run after `slapadd`, because the `slapadd` operation will not write to index files.
- B. The `slapd` process must be stopped before running `slapadd`.
- C. All slave servers must be listed in the LDIF file for the entries to be replicated.
- D. The changes in the LDIF file will not be replicated with `slurpd`.
- E. `slapstart` must be run after creating the entries.

**Answer: A,B,D**

**Explanation:**

**QUESTION NO: 315**

The administrator wants to add the content from an LDIF file named example.ldif to the LDAP directory. Which of the following commands will perform this task?

- A. slapadd < example.ldif
- B. slapadd example.ldif
- C. slapadd -f example.ldif
- D. slapadd -F example.ldif

**Answer: A**

**Explanation:**

**QUESTION NO: 316**

Which of the following resources would be measured for capacity planning? (Select TWO correct answers.)

- A. video driver performance
- B. disk I/O
- C. system boot time
- D. network I/O

**Answer: B,D**

**Explanation:**

**QUESTION NO: 317**

In capacity planning exercises, what tools assist in identifying processes of interest from other processes? (Select TWO correct answers.)

- A. free
- B. lshal
- C. ps
- D. top

**Answer: C,D**

**Explanation:**



**QUESTION NO: 318**

What operating system tools can be used to collect capacity planning data? (Select TWO correct answers.)

- A. netstat
- B. route
- C. sar
- D. tar

**Answer: A,C**

**Explanation:**

**QUESTION NO: 319**

What type of object class is sambaSamAccount?

- A. structural
- B. auxiliary
- C. abstract
- D. extended

**Answer: B**

**Explanation:**

**QUESTION NO: 320 CORRECT TEXT**

You are building a server which will authenticate users using the pam\_ldap module. In addition to possessing a valid account, you only want to allow logins by users who are members of a certain group. Which parameter in ldap.conf will allow you to specify a filter string to be ANDed with the login attribute when validating a user? (Enter only the parameter, without any options or values)

Answer: PAM\_FILTER

**QUESTION NO: 321 CORRECT TEXT**

After configuring a Unix workstation for LDAP authentication, you type the command 'id joe' and discover that the user's UID/GID information is still being retrieved from local password files. Which file did you most likely forget to update?

Answer: /ETC/NSSWITCH.CONF,NSSWITCH.CONF

**QUESTION NO: 322 CORRECT TEXT**

Several mail clients do not support LDAP version 3 binding. If an installation of OpenLDAP rejects version 2 binds by default, what line must be added to slapd.conf to support these clients?

Answer: ALLOWBIND\_V2

**QUESTION NO: 323 CORRECT TEXT**

The \_\_\_\_\_ command is used to determine the NIS server to which your computer is currently bound.

Answer: YPWHICH

**QUESTION NO: 324**

Which of the following correctly describes the method to add Samba users to the LDAP directory?

- A.** First make sure that a posixAccount entry exists in the Directory for the user you want to add, then use smbpasswd -a to add the Samba user from the command line.
- B.** Use the smbpasswd -a command to add the Samba user from the command line. This will add all required information to the LDAP directory.
- C.** Create an LDIF file containing all required information, then use ldapadd to add the information to the LDAP directory.
- D.** Create an LDIF file containing all required information, then use ldapmodd to add the Samba related information to an existing posixAccount entry.

**Answer: A**

**Explanation:**

**QUESTION NO: 325**

In order to migrate usernames and passwords from a NIS server, the passwd and shadow files were used with a custom script to import the data to OpenLDAP. After properly creating a test workstation to authenticate against LDAP, the number of lines outputted from getent passwd are different from the number on the NIS client workstation. Which one of the following statements can be true?

- A. The NIS database is not synchronized with passwd and shadow.
- B. The OpenLDAP server creates some additional users that are shown in getent.
- C. The NIS clients are not receiving the correct files from the server.
- D. The NIS clients are confused since OpenLDAP and NIS use the same port to communicate.
- E. The OpenLDAP client is querying the NIS server on the wrong TCP/IP port.

**Answer: A**

**Explanation:**

#### QUESTION NO: 326

When using the auth\_ldap module with Apache 1.3, the log displays several messages containing "protocol error". Which of the following steps should be followed to fix the problem?

- A. AuthLDAPStartTLS must be set to on.
- B. LDAPv2 should be disallowed.
- C. LDAPv3 should be allowed.
- D. The Apache module must be turned on in slapd.conf.
- E. The apache\_auth.schema must be included in slapd.conf.

**Answer: A**

**Explanation:**

#### QUESTION NO: 327

In order for pam\_ldap to be capable of changing a user's password in Active Directory, the pam\_password parameter must be set to

- A. ad
- B. win
- C. active\_directory
- D. ldap

**Answer: A**

**Explanation:**

#### QUESTION NO: 328

After an administrator added comments to each line of the ACLs in slapd.conf, the ACLs ceased to function properly. What is the most likely cause of this?

- A. Comments cannot be used anywhere in an ACL block.
- B. The comments were not added using the semi-colon (;) character.
- C. Comments cannot be used in the slapd.conf file.
- D. The comments were not added using the pound (#) character.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 329 CORRECT TEXT**

OpenLDAP 2 requires an equality index on the objectClass attribute. What line in slapd.conf will accomplish this? (Enter the entire line, separating fields with a single space)

Answer: INDEXOBJECTCLASSEQ

#### **QUESTION NO: 330**

Which of the following ACL lines allows access to all hosts that have an IP address that starts with 192.168.1?

- A. by peername=192.168.1.\*
- B. by peername=192.168.1.
- C. by ipaddress=192.168.1.\*
- D. by ipaddress=192.168.1.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 331**

Which one of the following pieces of information is not present in the slurpd replication log file?

- A. A timestamp of when the modification took place.
- B. The address of the remote LDAP slave server.
- C. The name of the user who initiated the modification.
- D. A timestamp of when the change has taken place on the slave.

**Answer: D**

**Explanation:**

**QUESTION NO: 332**

Which of the following procedures will test the TLS configuration of your LDAP server?

- A. Run the `ldapsearch` command with the `-ZZ` option, while watching network traffic with a packet analyzer.
- B. Run the `ldapsearch` command with the `-x` option, while watching network traffic with a packet analyzer.
- C. Run the `slapcat` command, while watching network traffic with a packet analyzer.
- D. Verify the TLS negotiation process in the `/var/log/ldap_auth.log` file.
- E. Verify the TLS negotiation process in the `/var/log/auth.log` file.

**Answer: A**

**Explanation:**

**QUESTION NO: 333 CORRECT TEXT**

Specifying `TLSVerifyClient = _____` in `slapd.conf` will instruct `slapd` to not ask the client for a certificate.

Answer: NEVER

**QUESTION NO: 334 CORRECT TEXT**

OpenLDAP is capable of using the \_\_\_\_\_ framework to provide integrity and confidentiality protections.

Answer: TLS, SASL, SSL

**QUESTION NO: 335**

What does `cachesize 1000000` represent in the `slapd.conf` file?

- A. The number of entries to be cached.
- B. The size of the cache in Bytes.
- C. The size of the cache in bits.
- D. The minimum cache size in Bytes.
- E. The maximum cache size in Bytes.

**Answer: A**

**Explanation:**

**QUESTION NO: 336**

If no ACL lines are included in slapd.conf, what is the default behavior of slapd?

- A. Allow anyone to read any entry.
- B. Deny anyone from reading any entries.
- C. Only certain attributes such as userPassword are protected from read access.
- D. Access to the directory is only allowed from the local machine.

**Answer: A**

**Explanation:**

**QUESTION NO: 337 CORRECT TEXT**

The \_\_\_\_\_ command is used to create an index of the OpenLDAP database. (Please specify the command with no path, options or parameters.)

Answer: SLAPINDEX

**QUESTION NO: 338 CORRECT TEXT**

It is found that changes made to an LDAP directory are no longer being replicated to the slave server at 192.168.0.3. Tests prove that the slave server is listening on port 389 and changes are being recorded properly to the replication log file. In which file would you find the replication errors?

Answer: /VAR/LIB/LDAP/192.168.0.3:389.REJ,LDAP/192.168.0.3:389.REJ,192.168.0.3:389.REJ

**QUESTION NO: 339**

It's important to issue the Start TLS operation at the beginning of a session:

- A. To compress any data sent over the network and improve performance.
- B. To prevent usernames and passwords from being sent in plain text.
- C. To ensure backward compatibility with older clients.
- D. To prevent clients from binding to the server anonymously.

**Answer: B**

**Explanation:**

**QUESTION NO: 340**

You're writing a simple Perl script to query an LDAP directory using the Net::LDAP module. Which method would you use to determine if the start\_tls() operation was successful?

- A. err()
- B. code()
- C. result()
- D. msg()

**Answer: B**

**Explanation:**

**QUESTION NO: 341**

LDAP is considered "lightweight" in comparison to X.500 because (Choose TWO correct answers.)

- A. It has a smaller set of operations.
- B. The client and server communicate using the TCP/IP protocol stack.
- C. The client and server communicate using the OSI protocol stack.
- D. LDAP supports Access Control Lists and X.500 does not.

**Answer: A,B**

**Explanation:**

**QUESTION NO: 342**

Which one of the following is true about single sign-on?

- A. Single sign-on is different than identity consolidation.
- B. Single sign-on requires sending the same credentials to several services.
- C. Single sign-on requires that the credentials for different services are distinct.
- D. Single sign-on requires a smartcard.

**Answer: A**

**Explanation:**

**QUESTION NO: 343**

What schema files are required to make LDAP compatible to NIS? (Choose TWO correct answers.)

- A. misc.schema
- B. cosine.schema
- C. nis.schema
- D. inetorgperson.schema

**Answer: B,C**

**Explanation:**

**QUESTION NO: 344**

Which of the following are valid choices for the LDAP database backend? (Choose THREE correct answers.)

- A. file
- B. config
- C. passwd
- D. ldbm
- E. shell

**Answer: B,C,E**

**Explanation:**

**QUESTION NO: 345 CORRECT TEXT**

When creating a multivalued RDN, what character is used to separate the two attribute values used to form the RDN? (Enter only the character, as it would appear in an LDIF entry.)

Answer: +

**QUESTION NO: 346**

Which ONE of the following is a correct example of an RDN?

- A. JohnDoe
- B. cn=John Doe
- C. cn=JohnDoe,ou=people,o=example



D. cn=John Doe, ou=people, o=example

**Answer: B**

**Explanation:**

**QUESTION NO: 347**

Which schema file is required by OpenLDAP?

- A. inetorgperson.schema
- B. core.schema
- C. openldap.schema
- D. cosine.schema
- E. misc.schema

**Answer: B**

**Explanation:**

**QUESTION NO: 348**

An administrator has just configured an OpenVPN client. Upon starting the service, the following message is displayed:

TLS Error: TLS key negotiation failed to occur within 60 seconds

Which of the following statements is true?

- A. The client was unable to establish a network connection with the server.
- B. The client was able to establish a network connection with the server, however TLS key negotiation failed, resulting in a fallback to SSL.
- C. The client was able to establish a network connection with the server, however TLS and SSL security are not enabled.
- D. The client was able to establish a network connection with the server, however TLS key negotiation took longer than 60 seconds, indicating that there may be a problem with network performance.

**Answer: A**

**Explanation:**

**QUESTION NO: 349**

SELinux has just been installed on a Linux system and the administrator wants to use SELinux in

permissive mode in order to audit the various services on the system. What command will switch SELinux into permissive mode?

- A. setenforce 0
- B. /etc/init.d/selinux stop
- C. selinux passive
- D. /etc/init.d/selinux startpassive

**Answer: A**

**Explanation:**

#### **QUESTION NO: 350**

Which of the following export options, when specified in /etc/exports, will tell the server to use the NFSv4 Pseudofilesystem?

- A. fsid=2
- B. fsid=0
- C. fsid=3
- D. fsid=1

**Answer: B**

**Explanation:**

#### **QUESTION NO: 351**

Which of the following are common techniques for securing a sendmail server? (Select THREE correct answers)

- A. Maintain user accounts in an LDAP directory.
- B. Enable TLS.
- C. Disable VRFY.
- D. Run sendmail in a chroot'd environment.
- E. Disable USRLKUP.

**Answer: B,C,D**

**Explanation:**

#### **QUESTION NO: 352**

What does ntop use for data collection?

- A. Network packets
- B. Log files
- C. Frame relay
- D. SNMP

**Answer: A**

**Explanation:**

**QUESTION NO: 353 CORRECT TEXT**

An administrator has successfully configured a cryptographic volume for dmccrypt, and has added the following line to /etc/fstab:

```
/dev/mapper/cryptvol /media/crypt auto defaults 0 0
```

Upon booting the system, the error message "mount: special device /dev/mapper/cryptvol does not exist" is displayed. What configuration file has the administrator forgotten to edit? (Provide the full path and filename)

Answer: /etc/crypttab

**QUESTION NO: 354 CORRECT TEXT**

What command will remove the dmccrypt mapping named cryptvol? (Provide the command with any options and parameters)

Answer: /sbin/cryptsetup remove crypt-vol cryptsetup remove crypt-vol

**QUESTION NO: 355 CORRECT TEXT**

Which LUKS action, when supplied to the cryptsetup command, will initialize a LUKS partition and set the initial key? (Provide only the action name)

Answer: luksFormat

**QUESTION NO: 356**

An administrator has created a mapping with the following command:

cryptsetup luksOpen /dev/sda1 cryptvol and has set three different keys. Which command below will delete the first key?

- A. cryptsetup luksDelKey /dev/sda1 0
- B. cryptsetup luksDelKey /dev/sda1 1
- C. cryptsetup luksDelKey /dev/mapper/cryptvol 1
- D. cryptsetup luksDelKey /dev/mapper/cryptvol 0

**Answer: A**

**Explanation:**

#### **QUESTION NO: 357 CORRECT TEXT**

What command will list basic information about all targets available to cryptmount? (Provide the command with any options or parameters)

Answer: cryptmount--list

/usr/bin/cryptmount-l

/usr/bin/cryptmount--list cryptmount -l

#### **QUESTION NO: 358**

Which of the following are valid dmccrypt modes? (Choose THREE correct answers)

- A. XTS
- B. ESSIV
- C. GMR
- D. KWG
- E. LRW

**Answer: A,B,E**

**Explanation:**

#### **QUESTION NO: 359 CORRECT TEXT**

Which directive in the OpenVPN client.conf specifies the remote server and port that the client should connect to? (Provide only the directive, without any options or parameters)

Answer: remote

#### **QUESTION NO: 360**

You are certain that your kernel has been compiled with ACL support, however, when you try to

set an ACL on a file, you get the following output:

```
% setfacl m user:hugh:r afile.txt
```

```
setfacl: afile.txt: Operation not supported
```

What is the most likely reason for this problem?

- A. There is an error in the command line parameters.
- B. There is no user on the system named hugh.
- C. The partition has not been mounted with the acl option.
- D. The file afile.txt doesn't exist.

**Answer: C**

**Explanation:**

#### QUESTION NO: 361

Which of the following are valid OpenVPN authentication modes? (Choose TWO correct answers)

- A. S/Key
- B. Kerberos
- C. Static Key
- D. Password
- E. TLS

**Answer: C,E**

**Explanation:**

#### QUESTION NO: 362

What is true about the permissions for the file afile given the following output from getfacl? (Select TWO correct answers)

```
% getfacl afile
```

```
# file: afile
```

```
# owner: matt
```

```
# group: support
```

```
user::rwx
```

```
user:hugh:rw
```

group::r

group:staff:rx

mask::rwx

other::r

- A. Anyone in the support group will be able to read and execute the file.
- B. The user hugh will be able to read the contents of the file.
- C. Anyone in the users group will be able to read the file.
- D. The user matt will not be able to edit this file.
- E. Anyone in the staff group will be able to read and execute the file.

**Answer: B,E**

**Explanation:**

#### **QUESTION NO: 363**

You wish to revoke write access for all groups and named users on a file. Which command will make the correct ACL changes?

- A. setfacl x group:\*:rx,user:\*:rx afile
- B. setfacl x mask::rx afile
- C. setfacl m mask::rx afile
- D. setfacl m group:\*:rx,user:\*:rx afile

**Answer: C**

**Explanation:**

#### **QUESTION NO: 364 CORRECT TEXT**

What is the default UDP port for OpenVPN traffic?

Answer: 1194

#### **QUESTION NO: 365**

When adding additional users to a file's extended ACLs, what is true about the default behaviour of the ACL mask for the file?

- A. The mask is modified to be the union of all permissions of the file owner, owning group and all

named users and groups.

**B.** The mask is left unchanged.

**C.** If required, a warning is printed indicating that the mask is too restrictive for the permissions being granted.

**D.** The mask is modified to be the union of all permissions of the owning group and all named users and groups.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 366**

In which of the following scenarios **MUST** an administrator use ethernet bridging instead of routing when configuring an OpenVPN site? (Select **TWO** correct answers)

**A.** Some OpenVPN clients will be installed on laptops and must be able to connect from different locations.

**B.** NetBIOS traffic must be able to traverse the VPN without implementing a WINS server.

**C.** The IPv4 protocol is required.

**D.** It will be necessary to use an MTU setting other than the default.

**E.** The IPX protocol is required.

**Answer: B,E**

**Explanation:**

#### **QUESTION NO: 367**

Linux Extended Attributes include attribute classes. Which of the following are included in the defined attribute classes? (Select **THREE** correct answers)

**A.** default

**B.** system

**C.** owner

**D.** trusted

**E.** user

**Answer: B,D,E**

**Explanation:**

#### **QUESTION NO: 368**

Which of the following statements are true about Linux Extended Attributes on files? (Select **TWO**

correct answers)

- A. An attribute value may be empty.
- B. Attribute storage counts toward disk quota use.
- C. Attribute use is enabled by mounting a partition with the attr option.
- D. An attribute is file, not inode, specific. Thus, a hard linked file in two locations could have different attributes.
- E. Attributes are not used by SELinux and other kernel security modules.

**Answer: A,B**

**Explanation:**

#### **QUESTION NO: 369**

Which command will set the user.author attribute on the file afile.txt?

- A. setfattr user.author:"A. Author" afile.txt
- B. setfattr n user.author v "A. Author" afile.txt
- C. setfattr user.author="A. Author" afile.txt
- D. setfattr a user.author="A. Author" afile.txt

**Answer: B**

**Explanation:**

#### **QUESTION NO: 370**

Which of the following lines in the OpenVPN server.conf file will supply a DNS server for DHCP clients to use?

- A. push "dhcption DNS 10.142.232.4"
- B. push "dhcp DNS 10.142.232.4"
- C. push "options DNS 10.142.232.4"
- D. push "dhcptions DNS 10.142.232.4"

**Answer: A**

**Explanation:**

#### **QUESTION NO: 371**

Which command will list all of the extended attributes on the file afile.txt along with the values?



- A. getfattr all afile.txt
- B. getfattr afile.txt
- C. getfattr list afile.txt
- D. getfattr dump afile.txt

**Answer: D**

**Explanation:**

#### **QUESTION NO: 372**

Which of the following statements is true when querying the extended attributes of a file that has no extended attributes set?

- A. getfattr will print a warning and exit with a value of 0.
- B. getfattr will print a warning and exit with a value of 1.
- C. No output will be produced and getfattr will exit with a value of 0.
- D. No output will be produced and getfattr will exit with a value of 1.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 373 CORRECT TEXT**

Which directive must be set to 0 in a host or service definition to prevent Nagios from sending more than one alert for a particular event? (Specify only the directive without any options or parameters).

Answer: notification\_interval

#### **QUESTION NO: 374**

What is the purpose of the Safe Checks option in a Nessus configuration?

- A. Enables secure scanning over an encrypted tunnel.
- B. To prevent the use of plugins which may have a negative effect on the network being scanned
- C. To prevent the use of plugins which may leave the Nessus server vulnerable during the scanning process
- D. When validating a Nessus configuration file, the nessusd process will not be interrupted.

**Answer: B**

**Explanation:**

**QUESTION NO: 375 CORRECT TEXT**

In Nessus, what does the acronym NASL stand for?

Answer: Nessus  
Attack Scripting  
Language

**QUESTION NO: 376**

An administrator is capturing traffic with Wireshark and is only seeing ARP traffic. What is the most likely cause of this?

- A. The network interface on which the scan is running is not in promiscuous mode.
- B. The machine is on a switched network and is therefore only seeing local and broadcast/multicast packets.
- C. The administrator did not enable the TCP and UDP options when starting the scan.
- D. The network interface on which the scan is running has the ARP\_ONLY flag set.

**Answer: B**

**Explanation:**

**QUESTION NO: 377**

Which statements are true of the following Wireshark capture filter:

(tcp[2:2] > 1500 and tcp[2:2] < 1550) or (tcp[4:2] > 1500 and tcp[4:2] < 1550)

(Select TWO correct answers)

- A. Every packet being checked has a 2 byte offset.
- B. Traffic on ports 15001550 is being captured.
- C. Traffic on ports 15011549 is being captured.
- D. Only two bytes are being checked in each packet.
- E. Up to four bytes are being check in each packet.

**Answer: C,E**

**Explanation:**

**QUESTION NO: 378**

The command 'nmap sS O 10.142.232.10' produces the following output:

PORT STATE SERVICE

631/tcp open ipp

3306/tcp open mysql

Which of these statements are true? (Select TWO correct answers)

- A. A simple scan was launched.
- B. The scan was executed by the root user.
- C. Output will be sent to a file instead of stdout.
- D. A stealth SYN scan was launched.
- E. There are no other services running on this machine.

**Answer: B,D**

**Explanation:**

**QUESTION NO: 379**

Which of the following can be done to secure a BIND server? (Select THREE correct answers)

- A. Run the BIND daemon as a nonroot user.
- B. Configure ACLs.
- C. Require clients to authenticate with a password before querying the server.
- D. Run the BIND daemon in a chroot jail
- E. Encrypt DNS traffic using SSL/TLS.

**Answer: A,B,D**

**Explanation:**

**QUESTION NO: 380**

DNS servers are vulnerable to which of the following attacks? (Select THREE correct answers)

- A. Cache Poisoning
- B. Fork Bomb Attack
- C. PasswordBased Attack
- D. ManintheMiddle
- E. Smurf Attack

**Answer: A,D,E**

**Explanation:**

**QUESTION NO: 381 CORRECT TEXT**

Which tool, distributed with BIND 9, will check the syntax of a named configuration file? (Supply only the program name, without any options or parameters)

Answer: namedcheckconf

/usr/sbin/namedcheckconf

**QUESTION NO: 382**

The apache administrator has added the following lines to the configuration files:

<Directory />

AllowOverride None

</Directory>

What is the purpose of this directive?

- A. It stops users from serving HTML files from their home directories.
- B. It prevents HTML files from being served out of the / directory.
- C. It stops users from setting up .htaccess files unless specifically allowed in additional configuration.
- D. It prevents CGI scripts from modifying apache features dynamically.

**Answer: C**

**Explanation:**

**QUESTION NO: 383 CORRECT TEXT**

What command is used to create and maintain a Basic Authentication password file for apache? (Specify only the command, with no path or arguments)

Answer: htpasswd

**QUESTION NO: 384**

SELinux is a Linux feature that:

- A.** monitors system file access by unprivileged users and warns them when they are trying to gain access to files beyond their permission levels set in the Mandatory Access Control policies.
- B.** provides only Mandatory Access Control policies. Additional access control models such as Rolebased access control require additional tools to implement.
- C.** enforces Mandatory Access Control policies that can restrict user space programs and system servers to the minimum amount of privilege required to operate correctly.
- D.** ensures that system files referenced in the Mandatory Access Control policies are not modified and alerts administrators when changes occur.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 385**

Which of the following statements are advantages that Mandatory Access Control has over Discretionary?

Access Control models? (Select TWO correct answers)

- A.** MAC policies are easier to configure than use of DAC.
- B.** MAC adds the concept of privileged remote users which is not available with simple DAC.
- C.** MAC policies increase the ability of the root user to correct errors.
- D.** MAC lets the kernel help decide if an object, such as a device or process, can access another object.
- E.** Trust is placed in the administrators and not in individual users.

**Answer: D,E**

**Explanation:**

#### **QUESTION NO: 386**

What are the steps which must be followed to enable serverwide zone transfers between two BIND 9 servers securely using TSIG?

- A.** Generate a key, specify the public key in the named configuration on both servers, create a server statement in the named configuration on both servers.
- B.** Generate a key, specify the private key in the named configuration on both servers, create a server statement in the named configuration on both servers.
- C.** Generate a key, specify the private key in the named configuration on one server and the public key in the named configuration on the other, create a remote statement in the named configuration on both servers.

**D.** Generate a key, specify the private key in the named configuration on one server and the public key in the named configuration on the other, create a server statement in the named configuration on both servers.

**Answer: B**

**Explanation:**

#### **QUESTION NO: 387**

Under which path is the selinux pseudofilesystem found?

- A.** /dev/selinux
- B.** /sys/selinux
- C.** /selinux
- D.** /var/selinux
- E.** /proc/selinux

**Answer: C**

**Explanation:**

#### **QUESTION NO: 388 CORRECT TEXT**

With SELinux, what is the command that is used for changing the context of a file? (Specify the command only, with no path information or arguments)

Answer: `chcon chsid setfattr`

#### **QUESTION NO: 389**

An unprivileged user issued a command which produced the following log message:

```
avc: denied { getattr } for pid=984 exe=/usr/bin/vim path=/etc/shadow dev=03:01 ino=134343  
scontext=hugh:user_r:user_t tcontext=system_u:object_r:shadow_t tclass=file
```

What does the message mean?

- A.** User hugh was not running in a security context that permitted reading the file.
- B.** User hugh only needs to switch to the object\_r role in order to edit /etc/shadow.
- C.** The security context for hugh is misconfigured and needs access to read any system file.
- D.** User hugh was not running in a security context that permitted writing to the file.

**Answer: A**

**Explanation:**

**QUESTION NO: 390**

When a user logs into a system using SSH, what is the format of SELinux security context which will assign the user\_r role and the user\_t domain to their login sessions?

- A. user\_r:user\_t system\_r:sshd\_t
- B. sshd\_t:system\_r user\_t:user\_r
- C. system\_r:sshd\_t user\_r:user\_t
- D. user\_t:user\_r sshd\_t:system\_r

**Answer: C**

**Explanation:**

**QUESTION NO: 391**

How are SELinux permissions related to standard Linux permissions?

- A. SELinux permissions override standard Linux permissions.
- B. Standard Linux permissions override SELinux permissions.
- C. SELinux permissions are verified before standard Linux permissions.
- D. SELinux permissions are verified after standard Linux permissions.

**Answer: D**

**Explanation:**

**QUESTION NO: 392 CORRECT TEXT**

A user that is allowed to use the su command under SELinux is also allowed to switch from the user role to the sysadmin role. What command will run a new shell for the user in the new context? (Specify the command only, with no path, options or arguments)

Answer: newrole

**QUESTION NO: 393**

What is the difference between an SELinux domain and an SELinux type?

- A. A domain is a group of SELinux types.
- B. A domain defines the range of access that an object has. A type is used to define an access level.
- C. A domain is assigned to processes while a type is assigned to objects such as files and directories.
- D. A domain is an alternative keyword for type.

**Answer: C**

**Explanation:**

#### QUESTION NO: 394

An SELinux security context is required to ensure that all files in /opt have the default context of system\_u:object\_r:usr\_t. How should the corresponding configuration entry be formatted?

- A. system\_u:object\_r:usr\_t /opt/\*
- B. /opt/. \* system\_u:object\_r:usr\_t
- C. /opt/\* system\_u:object\_r:usr\_t
- D. system\_u:object\_r:usr\_t: /opt/. \*
- E. system\_u:object\_r:usr\_t /opt/. \*

**Answer: B**

**Explanation:**

#### QUESTION NO: 395 CORRECT TEXT

Specifying the \_\_\_\_\_ parameter in sshd\_config will allow the administrator to systematically provide access to certain user accounts by name.

Answer: AllowUsers

#### QUESTION NO: 396

An administrator can prevent dictionary based attacks against an OpenSSH server by forcing keyboard authentication with which TWO parameters in sshd\_config?

- A. PasswordAuthentication
- B. HostKey
- C. PrivatekeyAuthentication
- D. PubkeyAuthentication
- E. ServerKey



**Answer: A,D**

**Explanation:**

**QUESTION NO: 397**

A user is attempting to connect to a remote server via SSH and receives the following message:

The authenticity of host 'mail.example.com (208.77.188.166)' can't be established.

RSA key fingerprint is 92:32:55:e9:c4:20:ae:1b:2c:d7:91:40:90:89:1c:ad.

Are you sure you want to continue connecting (yes/no)?

What does this indicate?

- A.** The RSA key fingerprint was found in the SpamCop database, indicating that the remote host is a known spammer.
- B.** The user's SSH client was unable to connect to the remote host's authentication agent for verification.
- C.** The user's SSH client is incompatible with the server's RSA key.
- D.** The server's SSH host key cannot be found in the list of known hosts.

**Answer: D**

**Explanation:**

**QUESTION NO: 398**

A user is attempting to connect to a remote host via SSH and following message is displayed:

Host key verification failed.

Which of the following options could resolve the problem? (Select TWO correct answers)

- A.** Add the `o StrictHostKeyChecking=no` option to the command.
- B.** Enable the `PasswordAuthentication` parameter on the remote host.
- C.** Generate new SSH host keys on the remote host.
- D.** Generate a new private key which is compatible with the server's host key.
- E.** Update the remote host's SSH host key in the list of know hosts.

**Answer: A,E**

**Explanation:**

**QUESTION NO: 399 CORRECT TEXT**

Where is the global list of known SSH host keys located? (Supply the full path and filename)

Answer: /etc/ssh/ssh\_known\_hosts

**QUESTION NO: 400**

Which of the following are valid NFSv4 security types?

- A. RSA
- B. SSL
- C. SPKM
- D. Kerberos
- E. LIPKEY

Answer: C,D,E

Explanation:

**QUESTION NO: 401**

Which GPG command is used to sign a public key? (Select TWO correct answers)

- A. gpg signpublickey UID
- B. gpg signkey UID
- C. gpg sign UID
- D. gpg editkey UID followed with the sign command.
- E. gpg editkey UID followed with the confirm command.

Answer: B,D

Explanation:

**QUESTION NO: 402**

Which GPG command will publish a public key to a public key server?

- A. gpg exportkeys UID
- B. gpg publishkeys UID
- C. gpg sendkeys UID
- D. gpg pushkeys UID

Answer: C

Explanation:

**QUESTION NO: 403**

Which GPG command is used to create a revocation certificate in case a GPG key ever needs to be cancelled?

- A. gpg genrevoke name
- B. gpg editkey name followed with the revoke command.
- C. gpg revoke name
- D. gpg createrevoke name

**Answer: A**

**Explanation:**

**QUESTION NO: 404**

Which command is used to add an additional name, email address and comment to an existing private key?

- A. gpg editkey name followed with the adduid command.
- B. gpg addsubkey name
- C. gpg addalias name
- D. gpg genalias name

**Answer: A**

**Explanation:**

**QUESTION NO: 405**

Someone who wishes to receive an encrypted file has provided a key UID and a key fingerprint for verification to the data sender. Assuming that this key is on a public keyserver, what command will fetch the public key from the server?

- A. gpg findkeys UID
- B. gpg recvkeys UID
- C. gpg getkeys UID
- D. gpg refreshkeys UID

**Answer: B**

**Explanation:**

**QUESTION NO: 406**

You have downloaded a file named file.tgz along with a signature file named file.tgz.asc. Which commands can be used to verify that file.tgz has not been tampered with since the file creator created the signature?

Assume that you have already retrieved the public key of the file creator. (Select THREE correct answers)

- A. gpg verify file.tgz.asc file.tgz
- B. gpg verify file.tgz
- C. gpg verify file.tgz.asc
- D. gpgv verify file.tgz.asc
- E. gpgv file.tgz.asc

**Answer: A,C,E**

**Explanation:**

**QUESTION NO: 407**

By default, when verifying a signed file or a file with a detached signature, which keyring is used to search for public keys?

- A. ~/.gnupg/trustdb.gpg
- B. ~/.gnupg/secring.gpg
- C. ~/.gnupg/trustedkeys.gpg
- D. ~/.gnupg/pubring.gpg

**Answer: C**

**Explanation:**

**QUESTION NO: 408 CORRECT TEXT**

Which utility is used for retrieving, setting, and removing NFSv4 ACLs? (Supply only the command name, with no options or parameters)

Answer: nfs4acl  
/usr/sbin/nfs4acl

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**QUESTION NO: 409**

An administrator has just configured vsftpd and notices that she cannot follow symbolic links when connected to the FTP server. What is the most likely reason for this?

- A. The follow\_symlinks=no option has been set in vsftpd.conf.
- B. vsftpd is running in a chroot environment.
- C. This installation of vsftpd was not compiled with support for symbolic links.
- D. The user account she is connecting with is not listed in /etc/security/ftpusers.

**Answer: B**

**Explanation:**

**QUESTION NO: 410 CORRECT TEXT**

Which parameter in vsftpd.conf will restrict users to their home directory? (Supply only the parameter name, with no options or values)

Answer: chroot\_local\_user

**QUESTION NO: 411**

What is one of the primary claimed benefits of Smack over SELinux?

- A. Smack implements Rule Set Based Access Control. SELinux doesn't support this model.
- B. SELinux has export restrictions placed on it by the NSA.
- C. Configuration of Smack is much more simple.
- D. Smack allows users to share files without administrator intervention.

**Answer: C**

**Explanation:**

**QUESTION NO: 412**

How does AppArmor configure its access control settings?

- A. AppArmor does not require any configuration.
- B. AppArmor inspects the Linux system to determine which applications are installed and configures itself. This configuration can then be modified manually.
- C. AppArmor relies on precompiled policies. These policies are updated with new releases or can be downloaded periodically.

**D.** A profile is assigned per application that specifies the system resources available to the application.

**Answer: D**

**Explanation:**

**QUESTION NO: 413**

Which of the following is NOT a valid scan technique with nmap?

- A.** Window
- B.** SYN
- C.** ACK
- D.** Connect()
- E.** RST

**Answer: E**

**Explanation:**

**QUESTION NO: 414 CORRECT TEXT**

Postfix daemons can be chroot'd by setting the chroot flag in \_\_\_\_\_. (Supply only the filename, without a path)

Answer: master.cf

**QUESTION NO: 415**

What can proxymap be used for in a Postfix installation? (Select TWO correct answers)

- A.** Consolidating the number of open lookup tables.
- B.** Creating and querying Postfix alias databases.
- C.** Mapping mail user IDs to system accounts.
- D.** Overcoming chroot restrictions.
- E.** Creating and querying Postfix lookup tables.

**Answer: A,D**

**Explanation:**

**QUESTION NO: 416**

Which of the following parameters should be set in main.cf to enable TLS in Postfix?

- A. smtpd\_tls\_cert\_file, smtpd\_tls\_key\_file, smtpd\_tls\_CAfile, smtpd\_use\_tls
- B. smtpd\_tls\_key\_file, smtpd\_tls\_CAfile, smtpd\_use\_tls, smtpd\_tls\_pem\_file
- C. smtpd\_tls\_CAfile, smtpd\_use\_tls, smtpd\_tls\_pem\_file, smtpd\_tls\_cert\_file
- D. smtpd\_use\_tls, smtpd\_tls\_pem\_file, smtpd\_tls\_cert\_file, smtpd\_tls\_key\_file

**Answer: A**

**Explanation:**

#### QUESTION NO: 417

The system administrator wishes to use John the Ripper to confirm that the passwords in a file called passwords are not weak. john has finished but the terminal window running the program has closed. What command can be used to list any cracked passwords for this file?

- A. john list passwords
- B. john list
- C. john show
- D. john show passwords

**Answer: D**

**Explanation:**

#### QUESTION NO: 418

On a new Linux system, the root user is being asked to provide the root user password before being able to use the su command. What line in the /etc/pam.d/su file will allow root to use su without supplying passwords?

- A. auth required pam\_norootpw.so
- B. auth sufficient pam\_norootpw.so
- C. auth required pam\_rootok.so
- D. auth sufficient pam\_rootok.so

**Answer: D**

**Explanation:**

#### QUESTION NO: 419

The system administrator wishes to use the pam\_listfile.so module to restrict which users are

allowed to login via SSH. Which line will configure this behaviour?

- A. auth required pam\_listfile.so item=user sense=deny file=/etc/ssh/sshd.deny onerr=succeed
- B. auth required pam\_listfile.so item=user sense=allow file=/etc/ssh/sshd.allow onerr=succeed
- C. auth required pam\_listfile.so item=user sense=allow file=/etc/ssh/sshd.allow onerr=fail
- D. auth required pam\_listfile.so item=user sense=deny file=/etc/ssh/sshd.deny onerr=fail

**Answer: C**

**Explanation:**

#### QUESTION NO: 420

Which of the following is NOT included in a Snort rule header?

- A. protocol
- B. action
- C. source IP address
- D. packet byte offset
- E. source port

**Answer: D**

**Explanation:**

#### QUESTION NO: 421

What is the purpose of snort inline?

- A. To run the snort daemon without forking child processes.
- B. To have iptables use snort rules to filter packets.
- C. To have snort log suspicious activity only, without performing any actions
- D. To run the snort daemon as a nonroot user.

**Answer: B**

**Explanation:**

#### QUESTION NO: 422

What is the purpose of tripwire?

- A. To act as a honeypot and attract attackers.
- B. To enforce mandatory access control policies to confine users to the minimum amount of



privilege required.

**C.** To monitor a server for breakin attempts and, if desired, ban the IP address.

**D.** To identify changes to critical system files and directories.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 423**

Which of the following commands will create a new, signed tw.pol file?

**A.** twadmin createpolfile e S mykey.key /etc/tripwire/twpol.txt

**B.** twadmin createcfgfile S mykey.key /etc/tripwire/twpol.txt

**C.** twadmin createpolfile S mykey.key /etc/tripwire/twpol.txt

**D.** twadmin createcfgfile e S mykey.key /etc/tripwire/twpol.txt

**Answer: C**

**Explanation:**

#### **QUESTION NO: 424**

What openssl command will generate a private RSA key of 2048 bits and no passphrase?

**A.** openssl genrsa des3 out privkey.pem 2048

**B.** openssl genrsa out privkey.pem 2048

**C.** openssl genrsa nopass out privkey.pem 2048

**D.** openssl genrsa nopass des3 out privkey.pem 2048

**Answer: B**

**Explanation:**

#### **QUESTION NO: 425**

What openssl command will generate a certificate signing request (CSR) using the private key file privkey.pem?

**A.** openssl req key privkey.pem out cert.csr

**B.** openssl req new key privkey.pem out cert.csr

**C.** openssl gencsr key privkey.pem out cert.csr

**D.** openssl gencsr new key privkey.pem out cert.csr

**Answer: B**

**Explanation:**

**QUESTION NO: 426**

What openssl command will generate a selfsigned test certificate?

- A. openssl req new x509 key privkey.pem out cacert.pem days 365
- B. openssl sign key privkey.pem out cacert.pem days 365
- C. openssl req key privkey.pem out cacert.pem days 365
- D. openssl sign new x509 key privkey.pem out cacert.pem days 365

**Answer: A**

**Explanation:**

**QUESTION NO: 427**

Which openssl command is used to inspect the information stored in a certificate?

- A. x509
- B. show
- C. info
- D. req

**Answer: A**

**Explanation:**

**QUESTION NO: 428**

The openssl command can be used to test connections with various secure services. What command will open a connection with a remote POP3S (POP3 over SSL) server?

- A. openssl connect host pop.example.com:pop3s
- B. openssl connect pop.example.com:pop3s
- C. openssl s\_client connect pop.example.com:pop3s
- D. openssl s\_client pop.example.com:pop3s

**Answer: C**

**Explanation:**

**QUESTION NO: 429**

Which of the following rule directives will email kevin@example.com and matt@example.com when the Mail Configuration rule is violated?

- A.** (  
rulename = "Mail Configuration",  
severity = \$(SIG\_HI),  
emailto = kevin@example.com,  
emailto = matt@example.com  
)
- B.** (  
rulename = "Mail Configuration",  
severity = \$(SIG\_HI),  
emailto = kevin@example.com,matt@example.com  
)
- C.** (  
rulename = "Mail Configuration",  
severity = \$(SIG\_HI),  
emailto = kevin@example.com;matt@example.com  
)
- D.** (  
rulename = "Mail Configuration",  
severity = \$(SIG\_HI),  
emailto = kevin@example.com,  
emailcc = matt@example.com  
)

**Answer: C**

**Explanation:**

**QUESTION NO: 430**

Which of the following methods can be used to deactivate a rule in Snort? (Select TWO correct answers)

- A.** Place a # in front of the rule and restart snort.
- B.** Write a pass rule in local.rules and restart snort with the o option.
- C.** Delete the rule and snort will automatically reread its rules files within five minutes.
- D.** Add the rule to /etc/snort/rules.deactivated and it will take effect immediately.

**Answer: A,B**

**Explanation:**

**QUESTION NO: 431**

The system administrator is keeping local configuration file changes in RCS. What command will commit the file to RCS revision control AND keep a local, unlocked copy of the latest version of the file?

- A. ci file
- B. rcs commit file
- C. rcs o file
- D. ci u file

**Answer: D**

**Explanation:**

**QUESTION NO: 432 CORRECT TEXT**

There is a configuration file being managed by RCS. Based on timestamps, it appears that someone has modified the file without checking it into RCS. What command can be used to compare the configuration file with the latest committed version? (Specify the command only, no path or argument information)

Answer: rcsdiff

**QUESTION NO: 433**

What is an SO rule in the context of Snort?

- A. A loadable snort module.
- B. A rule which can be written in the Perl programming language.
- C. A simple object.
- D. A snort overflow

**Answer: A**

**Explanation:**

**QUESTION NO: 434**

Which of the following are valid ntop deployment scenarios? (Select THREE correct answers)

- A. Public Site
- B. Switched Gateway

- C. Simple Host
- D. Border Gateway
- E. Mirror Line

**Answer: C,D,E**

**Explanation:**

#### **QUESTION NO: 435**

In the Puppet centralized configuration management tool, a manifest is:

- A. a list of all target configurations
- B. a configuration document that describes the target configuration and the steps required to achieve it
- C. a list of all files related to a configuration target
- D. a list of the important services on a target configuration

**Answer: B**

**Explanation:**

#### **QUESTION NO: 436**

What is the syntax error in the following simple Puppet configuration file?

```
class test_class {  
  
  file { ["/tmp/test.txt":  
  
    mode => 600,  
  
    owner => root,  
  
    group => root  
  
  }  
  
}  
  
# Define the node  
  
node testclient {  
  
  isa test_class  
  
}
```

- A. Comments begin with // character and not a #.
- B. The colon (:) after /tmp/test.txt should be a semicolon (;).
- C. class, node and file sections require a semicolon (;) at the end of their definitions.
- D. isa should be include.

**Answer: D**

**Explanation:**

#### **QUESTION NO: 437**

Which of the following are valid Nagios objects? (Select THREE correct answers)

- A. Contacts
- B. Commands
- C. Host Groups
- D. Notification Groups
- E. Programs

**Answer: A,B,C**

**Explanation:**

#### **QUESTION NO: 438**

Which of the following are common techniques for securing Nagios? (Select THREE correct answers)

- A. Require authentication for access to the CGI scripts.
- B. Run Nagios in a chroot jail.
- C. Compile Nagios with the enabletls option.
- D. Do not run as the root user.
- E. Disable external commands.

**Answer: A,D,E**

**Explanation:**

#### **QUESTION NO: 439**

Which of the following is not an iptables rule set?

- A. chain
- B. mangle

- C. filter
- D. nat

**Answer: A**

**Explanation:**

**QUESTION NO: 440**

Which of the following are builtin chains for the iptables nat table? (Select THREE correct answers)

- A. OUTPUT
- B. INPUT
- C. PROCESSING
- D. POSTROUTING
- E. PREROUTING

**Answer: A,D,E**

**Explanation:**

**QUESTION NO: 441**

Which syslog configuration line will send out logged messages to a remote syslog server?

- A. \*.\* host:remotehost
- B. \*.\* remote remotehost
- C. \*.\* @remotehost
- D. \*.\* host=remotehost

**Answer: C**

**Explanation:**

**QUESTION NO: 442**

Which option is required to syslogd in order for it to accept remote log messages?

- A. s
- B. r
- C. remote
- D. l

**Answer: B**

**Explanation:**

**QUESTION NO: 443**

What does the following iptables rule accomplish:

```
iptables A INPUT s 208.77.188.166 j DROP
```

- A.** Forwards all incoming traffic to the host 208.77.188.166.
- B.** Accepts all traffic from 208.77.188.166.
- C.** Nothing, there is a syntax error.
- D.** Drops all traffic from 208.77.188.166.

**Answer: D**

**Explanation:**

**QUESTION NO: 444**

What does the following iptables rule accomplish:

```
iptables A INPUT s 208.77.188.166 d 10.142.232.1 p tcp dport 22 j ACCEPT
```

- A.** Accepts traffic on port 22 only from the hosts 208.77.188.166 and 10.142.232.1.
- B.** Forwards all requests from the host 10.142.232.1 on port 22 the internal host 208.77.188.166
- C.** Forwards all requests from the host 208.77.188.166 on port 22 the internal host 10.142.232.1
- D.** Drops traffic on port 22 only from the hosts 208.77.188.166 and 10.142.232.1.

**Answer: C**

**Explanation:**

**QUESTION NO: 445**

What does the following iptables rule accomplish:

```
iptables A INPUT d 10.142.232.1 p tcp dport 20:21 j ACCEPT
```

- A.** Forwards all traffic not on port 20 or 21 to the host 10.142.232.1.
- B.** Drops all traffic coming from the host 10.142.232.1 destined for port 20 or 21.
- C.** Accepts all traffic from the host 10.142.232.1 destined for port 20 or 21.
- D.** Forwards all traffic on port 20 and 21 to the host 10.142.232.1.



**Answer: D**

**Explanation:**

**QUESTION NO: 446**

What does the following iptables rule accomplish:

```
iptables A INPUT s !127.0.0.0/8 p tcp dport 111 j DROP
```

- A. Drops all packets from the LAN destined for port 111.
- B. Drops all packets originating from the local machine unless they are destined for port 111.
- C. Drops all packets destined for port 111 which originate from the local machine.
- D. Drops all packets destined for port 111 unless they are from the local machine.

**Answer: D**

**Explanation:**

**QUESTION NO: 447**

The local system administrator has created a configuration entry for apache version 2 that isn't working. What is wrong with the following configuration?

```
<Location /members>
```

```
AuthName Members
```

```
AuthType Basic
```

```
AuthUserFile /www/passwd
```

```
</Location>
```

- A. The directive require validuser is missing.
- B. Basic Authentication has been removed from Apache 2.x.
- C. The format of the password file is not specified.
- D. The AuthUserFile must be in the apache configuration directory.

**Answer: A**

**Explanation:**

**QUESTION NO: 448**

In apache configuration which directives are used to restrict access based on host/domain name

and IP address?

- A. restrict and allow
- B. order, allow from and deny from
- C. deny and accept
- D. allow IP, deny IP, allow DOMAIN and deny DOMAIN
- E. order, deny and accept

**Answer: B**