Linux System Administration (Level 1)

3X0-102

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QUESTION : 1
One of the most important security features that a system administrator must deal with is the shadow password suite. For what reason is this suite important?

A. It improves the encryption for all passwords stored in the "/etc/passwd" file.
B. It provides a second level of encryption for the "/etc/passwd" file.
C. It moves the passwords to a separate file that has more restrictive permissions
D. It moves the passwords to a separate file and will also encrypt the password file.

Answer: C

QUESTION : 2
Tom, a Linux system user, has been using a Virtual Network Computing viewer but his viewer has crashed. He calls Kina, the system administrator, to ask her whether the viewer can be restarted from where it left off, or if he has to start the remote application all over again. Kina's response should be:

A. No, the remote application cannot be recovered and Tom must start over.
B. Yes, the remote application can be recovered by restarting the viewer.
C. Yes, the application can be recovered by restarting the viewer.
D. Yes, it can be recovered by restarting both the server and the viewer.

Answer: B

QUESTION : 3
Assume that Priya and Sita are Linux system users and that Krishna is the superuser. Also, assume that both Priya and Sita were accessing files in the "/cdrom" directory and that they did not log out and their current working directory is still in the /cdrom hierarchy. Krishna wishes to install some software from a new CD-ROM that he bought.

Which of the following are valid options for Krishna? (Select all that apply)

A. He can just push the eject button on the CD-ROM drive that is currently in the drive, then insert his new one and start the installation.
B. He has to find Priya and Sita and tell them to change directory from /cdrom so that he can then unmount the CD-ROM, eject it, put his new CD-ROM in, and then install.
C. Krishna can use "umount -f- to force the unmount of the CD-ROM, then he can eject it, insert his CD-ROM, and install. D. He can use the "fliser- command to find all processes that are using the CD-ROM device, along with their associated PID's, kill each process, unmount the CD-ROM, eject it, put his CD-ROM in, and then install the software.

Answer: B, D

QUESTION : 4
Assume Tom wrote a program that would let users on two separate Linux machines share their directories, but his program has to read an initial configuration file to know which user has decided to share which directory. Where should he ask the system administrator to put the configuration file?

A. /usr/bin/
B. /etc/
C. /usr/local/bin/
D. A or C

Answer: B

QUESTION : 5
The following is an extract of a password file:
root:x:O:O:root:/root:/bin/sh
bin:x:2:2:System Tools Owner:/bin:/binltcsh
uucp:x: 3:5 :UUCP Owner:/usr/lib/uucp:/bin/tcsh
sys:x:4:O: System Activity Owner:/var/adm:/bin/sh
lp:x: 9: 9:Print Spooler Owner:/var/spool/lp:/binlcsh
jj:x: 11 13:333:JJ:/usr/people2/jj:/bin/tcsh
Smith: *:1113: 334:John Smith:/usr/people/jsmith:/bin/tcsh
The "" in Smith's passwd field is used to

A. indicate that Smith is the superuser.
B. deactivate Smith's account.
C. indicate that Smith's home directory is shared by other members of his group.
D. force Smith to change his password at his next login.

Answer: B

QUESTION : 6
Kina, the system administrator, needs to make some changes to the system and does not want anyone logged in while she does this. She issues a message to all of the users that are currently logged in using the "wall" command and request that they logoff Next, she creates the file "/etc/nologin". What is the result of the creation of the "/etc/nologin" file?

A. It will log off all local users.
B. It will log off all local users except for the superuser.
C. It will log off all remote users.
D. It will not permit any flirther logins.
E. It will not permit any flirther logins except the superuser.
F. It will not permit any flirther remote logins.

Answer: E

Tom is using the mtools utility to examine a DOS diskette. He needs to know the mime of one of the files 011 the diskette and then needs to copy it. What is the proper command sequence to accomplish this? (Not all items will necessarily be used)

(i) mls a:
(ii) mdir a:
(iii) xls a:
(iv) mcopy a:fileiiame a:llewfilellame
(v) xcopy a:filellame a:llewfile11ame

A. (i) then (iv)
B. (ii) then (iv)
C. (iii) then (v)
D. (ii) then (v)
E. None of the above

Answer: B

QUESTION : 8
Assume Alladin is the superuser of a Linux system. Also assume that YASH is a project that is being developed in the system and that Tim has been recruited as a new programmer. Alladin creates an account for Tim with all the source directories for the project (/YASHIsrc). Alladin creates an account for Tim at /home/tim and copied all the project directories into it. Alladin then wrote the following shell
script:
cd /home/tim
find. -exec chown tim { } \;
find. -exec chgrp developer { } \;

What does the script accomplish?

A. the script makes "tim" the owner of the directory "/home/tim"
B. the "chown" and "chgrp" commands are executed for the files in "/home/tim"
C. it changes owner to "tim", group to "developer" and copies the files to "\"
D. only files in the curent working directoris owner and group are changed

Answer: B

QUESTION : 9
Assume that Kumar is a user in a Linux system and that he is a new member of a development team whose responsibility is to develop perl projects. Kumar names all of his new perl files without any extension. But he later realizes that all perl files should be named with a ".pl" extension. He decides to write a bash shell script to RENAME all of his files. Assume that he executed the following script from within the directory $HOME/scripts. for i in $HOME/source/* do done Can you help Kumar complete the script correctly by selecting an option for the blank?

A. In Si $i.pl
B. In * *p1
C. my $i $i.pl
D. my * *p1
E. cp $i $i.pl
F. cp * *.pl

Answer: C

QUESTION : 10
Jack is a C++ programmer who often works on the Linux machine in his office. He has been programming for many years and he has accumulated over five hundred megabytes of programs stored in more than 25 directories. Now, Jack would like to backup the programs to his home computer and plans to do this by creating a compressed archive and then using □ftp- to transfer the data to his computer at home. Choose the option below which represents the correct order of the steps that Jack should take to create a compressed archive. (Select the best answer)

A. Use "zcat" to create an archive and use "gzip" to compress the archive.
B. Use "zcat" to compress all of the files and then "tar" to create an archive.
C. Use "gimzip" to create a compressed form for each file.
D. Use "tar" with the "z" option to create a compressed archive in one step

Answer: D