

CertifyMe

Number: XK0-002
Passing Score: 500
Time Limit: 90 min
File Version: 8.5



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CertifyMe XK0-002

Exam A

QUESTION 1

A Linux technician would like to change the default lpr queue to print to a new printer. Which file should be edited to make this change?

- A. /etc/printers/default.conf
- B. /etc/vprint
- C. /etc/printcap
- D. /etc/lpd.conf

Correct Answer: C

Section: (none)

Explanation

QUESTION 2

Which of the following commands lists the file systems available for the NFS (Network File System) server upiter?

- A. showmount e jupiter
- B. ls -l jupiter
- C. showmount -e jupiter
- D. ls jupiter

Correct Answer: C

Section: (none)

Explanation

QUESTION 3

The man page for the ls command states:

The full documentation for ls is maintained as a Texinfo manual.

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Which of the following commands will retrieve the full documentation for the ls command?

- A. man -info ls
- B. info ls
- C. infoman ls
- D. text ls

Correct Answer: B

Section: (none)

Explanation

QUESTION 4

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A DHCP server has been added to the network. The local system has been reconfigured to connect using DHCP. How could an administrator restart network services and test that the interface and the DHCP server are functioning properly?

- A. /bin/netstat -R; ping comptia.org
- B. /usr/bin/network restart; ping comptia.org

- C. /sbin/route restart; ifconfig lo
- D. /etc/init.d/network restart; ifconfig eth0

Correct Answer: D

Section: (none)

Explanation

QUESTION 5

Which of the following files contains a list of file systems that can be currently mounted on the system if all supported modules have been loaded?

- A. /etc/filesystems
- B. /var/filesystems
- C. /dev/filesystems
- D. /proc/filesystems

Correct Answer: D

Section: (none)

Explanation

QUESTION 6

A user is unable to access the Internet from their Client. The client's TCP/IP settings are 192.168.1.87/26. The default gateway's IP address is 192.168.1.1. What command must be entered on the client machine to enable communications to the Internet?

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- A. ifconfig eth0 up 192.168.1.87 netmask 255.255.255.128
- B. ifconfig eth0 up 192.168.1.1 netmask 255.255.255.0
- C. ifconfig eth0 up 192.168.1.87 netmask 255.255.255.192 broadcast 192.168.1.255
- D. ifconfig eth0 up 192.168.1.87 netmask 255.255.255.255

Correct Answer: A

Section: (none)

Explanation

QUESTION 7

Which of the following services commonly uses Port 22?

- A. SMTP
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CompTIA XK0-002: Practice Exam
- B. DNS
- C. FTP
- D. SSH (Secure Shell)

Correct Answer: D

Section: (none)

Explanation

QUESTION 8

A newly created user, john, reports that he has access to the file `?var/mail/joe?` but should not have this access. Which of the following MOST likely caused this?

- A. User john was created with the same UID (User ID) as the removed user named joe.
- B. User john and joe are sharing a home directory.
- C. User john is forwarding all of his mail to joe.
- D. User joe's email is still cached by the system although his UID (User ID) has been removed.

Correct Answer: A

Section: (none)

Explanation

QUESTION 9

Which of the following can be used to determine who has scheduled a job?

- A. `at -d`
- B. `at -l`
- C. `who`
- D. `whodo`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 10

Which of the following commands is used to search the whole directory structure to locate a specific file, but still can execute other commands while the 'find' command is searching for the file?

- A. `find filename > background`
- B. `find / -name filename &`
- C. `find / -name filename`
- D. `find / filename &`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 11

A company wants to install a Linux server to act as an internal file and print server. They have a limited budget. Which of the following is the MOST important hardware investment for this user?

- A. Video card
- B. IEEE-1394 card
- C. Processor
- D. Hard drive

Correct Answer: D

Section: (none)

Explanation

QUESTION 12

A recent hard drive addition to a server has a problem: the administrator has to manually mount the drive every time the server is rebooted. Which of the following needs to be done in order to resolve this issue?

- A. Load a kernel module for the drive.
- B. Edit the /etc/fstab file.
- C. Change the default run level in /etc/inittab.
- D. Edit the /dev entry for the device.

Correct Answer: B

Section: (none)

Explanation

QUESTION 13

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Which of the following processors would be fully supported by glibc-2.5.3-100.i686.rpm?

- A. HP Alpha processor
- B. Silicon Graphics MIPS processor
- C. Intel Pentium III processor
- D. IBM PowerPC processor

Correct Answer: C

Section: (none)

Explanation

QUESTION 14

A USB memory stick is plugged into a server, but the mount command generates the following error:

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mount: special device /dev/sda1 is not a valid block device

Which of the following is the MOST likely cause of this error?

- A. The kernel module loader is not available.
- B. /dev/sda does not exist.
- C. A USB 2.0 device was plugged into a USB 1.0 socket.
- D. The USB memory stick is not formatted.

Correct Answer: A

Section: (none)

Explanation

QUESTION 15

Which of the following commands can be used to confirm checksums on the Samba package?

- A. rpm -v samba.rpm
- B. rpm -V samba.rpm
- C. rpm -c samba.rpm

D. `rpm -i samba.rpm`

Correct Answer: B

Section: (none)

Explanation

QUESTION 16

Which of the following services is commonly started from `xinetd`?

A. `fingerd`

B. `sendmail`

C. `smbd`

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D. `httpd`

Correct Answer: A

Section: (none)

Explanation

QUESTION 17

A user wants to copy files in the directory `/tmp/tocd` to the first recordable CD-ROM (CDRW) device. Which of the following commands could do this?

A. `mkisofs -o /dev/cd /tmp/tocd`

B. `mkisofs /tmp/tocd | cdrecord dev=0,0,0 -`

C. `dd if=/tmp/tocd of=/dev/write`

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D. `cdrecord -R /tmp/tocd`

Correct Answer: B

Section: (none)

Explanation

QUESTION 18

The company hires a temporary employee and wants to provide limited access to its production server. Which of the following would accomplish the goal?

A. `exec bash`

B. `rbash`

C. `bash -limited`

D. `bash -r`

Correct Answer: D

Section: (none)

Explanation

QUESTION 19

Which of the following commands is used to show all of the root processes running on a system?

A. `psroot`

- B. jobs 0
- C. ps -au root
- D. cat /proc/sys/proc

Correct Answer: C

Section: (none)

Explanation

QUESTION 20

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An administrator types the command `s xl` and the following is a portion of the output obtained:

```
F UID PID PPID NI VSZ RSS WCHAN TTY TIME COMMAND
```

```
.
```

```
.
```

```
4 0 1707 1706 15 2304 830 wait4 tty1 0:00 -bash
4 0 1708 1706 15 4804 420 wait4 tty1 0:00 awk
4 0 1701 1707 15 4304 820 wait4 tty1 0:00 nmap
4 0 1836 1713 15 4405 941 wait4 tty1 0:00 vi
4 0 1921 1707 15 7205 820 wait4 tty1 0:00 xterm
```

Which process number should be killed to stop the map?and term?processes?

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- A. 1921
- B. 820
- C. 15
- D. 1707

Correct Answer: D

Section: (none)

Explanation

QUESTION 21

Which of the following virtual console sessions does XFree86 use by default?

- A. 5
- B. 7
- C. 1
- D. 3

Correct Answer: B

Section: (none)

Explanation

QUESTION 22

A user needs the ability to create new users on a system. How can the user be given this privilege without the root password?

- A. Make the user a member of the operator group
- B. Add the user to the `/etc/sudoers` file

- C. Grant the user execute privileges to useradd, groupadd, and usermod
- D. Edit the /etc/sysconfig/policies file

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 23

Which of the following services commonly uses Port 139?

- A. DNS
- B. POP3
- C. FTP
- D. SMB

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 24

The /var/log/messages file was deleted and the syslog daemon did not recreate it. Which of the following commands would remedy this situation?

- A. cat /dev/random > /var/log/messages
- B. syslogd --recreate-file
- C. touch /var/log/messages
- D. logform /var/log/messages

Correct Answer: C

Section: (none)

Explanation

QUESTION 25

If the /etc/shadow file does not exist when pwconv is run, which of the following will occur?

- A. Entries in the /etc/passwd file are added to a new /etc/shadow file. The /etc/passwd file is unchanged.
- B. The system will give an error message.
- C. /etc/passwd is renamed to /etc/shadow and a new soft link is created.
- D. Password attributes in /etc/passwd are moved to a corresponding entry in a new /etc/shadow file.

Correct Answer: D

Section: (none)

Explanation

QUESTION 26

Users begin reporting 'Unable to obtain IP address' error messages. Which of the following daemons should

the administrator verify is running?
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- A. named
- B. kerneld
- C. dhcpd
- D. routed

Correct Answer: C

Section: (none)

Explanation

QUESTION 27

Which of the following commands creates a swap file system?

- A. mkswapfs
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CompTIA XK0-002: Practice Exam
- B. swapon
- C. mkswap
- D. mkswapfsiso

Correct Answer: C

Section: (none)

Explanation

QUESTION 28

Shadow passwords are disabled on a Linux server. Which of the following appears after a user's name in the /etc/passwd file when a user account is disabled?

- A. &
- B. X
- C. ?
- D. *

Correct Answer: D

Section: (none)

Explanation

QUESTION 29

What command should be run in order to add /usr/local/program1/bin to the path and make it active in the current shell?

- A. PATH=\$PATH:/usr/local/program1/bin
- B. setpath PATH=\$PATH:/usr/local/program1/bin
- C. setenv PATH=\$PATH:/usr/local/program1/bin
- D. export PATH=\$PATH:/usr/local/program1/bin

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 30

When a user begins to use a shell, the only information showing is the prompt. Which of the following can be used to determine which commands are available?

- A. manual
- B. locate
- C. man
- D. help

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 31

Which of the following commands can be used to confirm that the FTP server is listening?

- A. netstat -a ftp
- B. netstat -a | grep ftp
- C. netstat -u | grep ftp
- D. netstat | grep ftp

Correct Answer: B

Section: (none)

Explanation

QUESTION 32

Which of the following protocols is used by NIS?

- A. dhcp
- B. snmp
- C. rpc
- D. ftp

Correct Answer: C

Section: (none)

Explanation

QUESTION 33

A Linux machine always reboots shortly after the boot loader completes. The system should boot into multi-user mode with a non-graphical interface. In order to correct this, which file needs to be edited and what is the correct parameter?

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- A. inittab
id:3:initdefault:
- B. sysinit.conf
initdefault 5

- C. inittab
id:5:initdefault:
- D. sysinit.conf
initdefault 3

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 11
CompTIA XK0-002: Practice Exam

QUESTION 34

Which of the following commands would ensure that the Linux server would send packets destined for 192.168.100.0/25 to 192.168.200.5?

- A. route 192.168.100.0 netmask 255.255.255.128 gw 192.168.200.5
- B. route 192.168.100.0 netmask 255.255.255.192 gw 192.168.200.5
- C. route add -net 192.168.100.0 netmask 255.255.255.128 gw 192.168.200.5
- D. route add -net 192.168.100.0 netmask 255.255.255.192 gw 192.168.200.5

Correct Answer: C

Section: (none)

Explanation

QUESTION 35

A Linux user wants to access the X interface on a remote server. How can this be made secure?

- A. Use SSH (Secure Shell) to forward X11.
- B. Install a secure version of X.
- C. Install an X server on the local client.
- D. Configure local X server to allow the remote host.

Correct Answer: A

Section: (none)

Explanation

QUESTION 36

An error was returned stating that the proper MPEG-2 codec could not be found. Once the correct codec is received, where should it be placed?

- A. In the program's source directory, then compiled into it ActualTests.com
- B. As an accessible device in /dev
- C. In the user's home directory
- D. In the application's specific codec directory

Correct Answer: D

Section: (none)

Explanation

QUESTION 37

When remotely administering a Linux machine using SSH (Secure Shell), the administrator added a rule to deny traffic on Port 22. SSH is now no longer accepting connections. Which of the following would resolve this problem?

- A. Restart the SSH service
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CompTIA XK0-002: Practice Exam
- B. From the system console, remove the Port 22 rule
- C. SSH to Port 23 and remove the rule
- D. Remove the rule before it is activated

Correct Answer: B

Section: (none)

Explanation

QUESTION 38

Which of the following commands can be used to create a link to the file /home/joe/help in /tmp/help.old?

- A. `ln -s /tmp/help.old /home/joe/help`
- B. `ln -s help help.old`
- C. `ln -s /home/joe/help /tmp/help.old`
- D. `ln -v /home/joe/help /tmp/help.old`

Correct Answer: C

Section: (none)

Explanation

QUESTION 39

DMA (Direct Memory Access) is required for which of the following items?

- A. Mouse
- B. Sound card
- C. Serial port
- D. Keyboard

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 40

Which of the following can be used to determine if the entries in /etc/shadow are corrupt?

- A. `passwd`
- B. `pwd`
- C. `grpck`
- D. `pwck`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 13
CompTIA XK0-002: Practice Exam

QUESTION 41

Which of the following commands will secure a script file so it could be modified only by the owner?

- A. chmod 077 file
- B. chmod 770 file
- C. chmod 777 file
- D. chmod 700 file

Correct Answer: D

Section: (none)

Explanation

QUESTION 42

Which of the following are the default permissions of /tmp?

- A. 1755
- B. 1777
- C. 0755
- D. 0222

Correct Answer: B

Section: (none)

Explanation

QUESTION 43

A Linux workstation that has been configured with the IP address of 192.168.4.235/26 and a default gateway of 192.168.4.1. It can ping a server at 192.168.4.250. The workstation cannot ping a second server at 192.168.5.3. The administrator has verified that the default gateway setting is correct. Which of the following is the problem?

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- A. The netmask is wrong and should be changed to 255.255.255.0.
- B. The Ethernet card is faulty.
- C. The Ethernet cable is faulty.
- D. The netmask is wrong and should be changed to 255.255.255.128.

Correct Answer: A

Section: (none)

Explanation

QUESTION 44

Which of the following commands will display the last 15 lines of an application log?

- A. grep -l 15 | cat
"Pass Any Exam. Any Time." - www.actualtests.com 14
CompTIA XK0-002: Practice Exam
- B. cat filename | more 15

- C. cat filename | less 15
- D. tail 15 filename

Correct Answer: D

Section: (none)

Explanation

QUESTION 45

A network administrator has enabled IP forwarding on a Linux server with the following command:

```
echo "1" > /proc/sys/net/ipv4/ip_forward
```

After the server is restarted several weeks later, IP forwarding is not working. Which of the following commands should the network administrator have issued?

- A. Edit the /etc/sysctl.conf file
- B. Restart the network daemon
- C. Run echo "1" > /proc/sys/net/ipv4/ip_forward --save
- D. Run save proc

Correct Answer: A

Section: (none)

Explanation

QUESTION 46

A user wants the script ame1 to process the contents of the file ame2 then redirect the output to the program ame3. Which of the following shell commands will do this?

- A. name1 | name2 < name3
- B. name1 < name2 | name3
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- C. name1 > name2 | name3
- D. name1 | name2 > name3

Correct Answer: B

Section: (none)

Explanation

QUESTION 47

In the file /etc/nsswitch.conf, what does the following line do? ~ hosts: nis files dns

- A. /etc/hosts is used for all NIS, NetBIOS, and DNS lookups.
- B. NIS is used first for hostname resolution.
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CompTIA XK0-002: Practice Exam
- C. NSS (Network Security Services) lookup is enabled for NIS, DNS, and remote files.
- D. NIS requests are forwarded to DNS.

Correct Answer: B

Section: (none)

Explanation

QUESTION 48

The DNS administrator learns that the IP address of one of the Internet root name servers has been changed. Which is the next course of action?

- A. Update the in-addr.arpa file.
- B. Update the resolv.conf file.
- C. Update the root.hints file.
- D. Update the named.root file.

Correct Answer: C

Section: (none)

Explanation

QUESTION 49

The administrator notices malicious network traffic from the example.com domain and would like to contact the example.com administrator. Which of the following commands would display contact information for this domain?

- A. whois
- B. whoip
- C. ipuser
- D. fuser

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 50

A system administrator wants to see if an RPM package is installed on a user workstation. Which of the following commands should be used?

- A. rpm -qa | grep <name of package>
- B. rpm -query <filename>
- C. find -name rpm | grep <filename>
- D. rpmfind <name of package>

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 16

CompTIA XK0-002: Practice Exam

QUESTION 51

Which of the following files is commonly included with source code to automate the compilation?

- A. Auto.so
- B. Autorun
- C. README.config
- D. Makefile

Correct Answer: D
Section: (none)
Explanation

QUESTION 52

The following command run as root will search the system for which of the following? `find / -name '.*'`

- A. All files created in /
- B. All files created today
- C. All hidden files
- D. All directories

Correct Answer: C
Section: (none)
Explanation

QUESTION 53

Which of the following tools can be used to identify poor password usage from the user by auditing password usage?

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- A. crackpasswd
- B. crypt
- C. crack
- D. passwd

Correct Answer: C
Section: (none)
Explanation

QUESTION 54

Which of the following commands can be used to find all instances of files in the /etc directory containing tp in the file name?

"Pass Any Exam. Any Time." - www.actualtests.com 17
CompTIA XK0-002: Practice Exam

- A. `find *ntp`
- B. `find /etc/*ntp*`
- C. `find ntp*`
- D. `find /etc/ntp`

Correct Answer: B
Section: (none)
Explanation

QUESTION 55

Which of the following is a common tool used to determine what services and ports are running on a remote Linux box?

- A. arp

- B. ifconfig
- C. nmap
- D. netstat

Correct Answer: C

Section: (none)

Explanation

QUESTION 56

A technician is creating MPEG-2 video files in Linux. In addition to a video card with input source, which of the following multimedia components is also required?

- A. XFree86
 - B. MPEG-2 capable camera
 - C. MPEG-2 encoder
 - D. Sound card
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Correct Answer: C

Section: (none)

Explanation

QUESTION 57

Which of the following file systems are compatible with a partition that is typed as 82?

- A. ext3
- B. vfat
- C. swap
- D. reiserfs

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 18
CompTIA XK0-002: Practice Exam

QUESTION 58

The UMASK value is set to 22 Which of the following will the default permissions be on filename.txt when the file is created?

- A. rwxr-xr-x
- B. ----w--w-
- C. r-xr-wr-w
- D. rw-r--r--

Correct Answer: D

Section: (none)

Explanation

QUESTION 59

Which Apache configuration file controls the mapping of SSL certificates?

- A. access.conf
- B. srm.conf
- C. .htaccess
- D. httpd.conf

Correct Answer: D

Section: (none)

Explanation

QUESTION 60

A user created the following grub.conf file.

default=0

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timeout=10

splashimage=(hda1)/grub/splash.xpm.gz

title Linux Server (2.4.22)

root(hda1)

kernel /vmlinuz-2.4.22 ro root=LABEL=/ hdc=ide-scsi rhgb initrd initrd-2.4.22

Which of the following is wrong with this file?

- A. The hard drive label should be (hd0,0), not (hda1).
 - B. The splashimage should not be gzipped.
 - C. The root partition should be mounted "rw", not "ro".
 - D. The correct path should be /boot/vmlinuz-2.4.22.
- "Pass Any Exam. Any Time." - www.actualtests.com 19
CompTIA XK0-002: Practice Exam

Correct Answer: A

Section: (none)

Explanation

QUESTION 61

The administrator needs to set permissions on the /tmp directory as follows:

drwxrwxrwt 9 root root 4096 Jun 13 09:42 tmp

"Pass Any Exam. Any Time." - www.actualtests.com 26

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Which of the following commands will accomplish this?

- A. chmod 0777 /tmp
- B. chmod 2777 /tmp
- C. chmod 1777 /tmp
- D. chmod 4777 /tmp

Correct Answer: C

Section: (none)

Explanation

QUESTION 62

A company currently has four Linux servers and wants to install a fifth server to perform user authentication. Which of the following is a valid protocol for centralized user authentication?

- A. LDAP
- B. MD4
- C. SHA1
- D. 3DES

Correct Answer: A

Section: (none)

Explanation

QUESTION 63

The UMASK value is set to 22 Which of the following will the default permissions be on filename.txt when the file is created?

- A. rwxr-xr-x
- B. ---w--w-
- C. r-xr-wr-w
- D. rw-r--r--

Correct Answer: D

Section: (none)

Explanation

Exam B

QUESTION 1

A user named 'john' needs to have read, write, and execute permissions to the following file:
/home/john/resume.

John currently has read-only permission. Which of the following commands can be used to add write and execute permissions for him without changing anyone else's permissions?

- A. `chmod u+wx`
- B. `chmod 700`
- C. `chown -u +wx`
- D. `chown -f`

Correct Answer: A

Section: (none)

Explanation

QUESTION 2

Which of the following commands should be run after editing the `/etc/aliases` file in order for sendmail to recognize any changes to that file?

- A. `killall -HUP sendmail`
- B. `/etc/init.d/aliasd restart`
- C. `makemap newaliases`
- D. `newaliases`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 3

A Linux system is powered down unexpectedly. After reboot, an automatic disk check is run and numerous inode errors are reported and corrected. Which of the following file systems was MOST likely used?

- A. `ext2`
- B. `ext3`
- C. `ReiserFS`
- D. `jfs`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 20
CompTIA XK0-002: Practice Exam

QUESTION 4

Which of the following commands can be used to verify that an NIS client is reading authentication information from the NIS server?

- A. ypwhich
- B. ypcat passwd
- C. nispasswd
- D. yppasswd

Correct Answer: B

Section: (none)

Explanation

QUESTION 5

A user wants to create an image of a system boot disk in order to copy it. Which of the following commands will do this?

- A. xcopy
- B. cpd
- C. cp --disk
- D. dd

Correct Answer: D

Section: (none)

Explanation

QUESTION 6

If a system uses ACPI (Advanced Control and Power Interface), which of the following files would ActualTests.com be edited to map the power button to the desired command?

- A. /etc/modules.conf
- B. /etc/acpi/events/power
- C. /proc/acpi/powerbutton
- D. /etc/acpi.conf

Correct Answer: B

Section: (none)

Explanation

QUESTION 7

When a file server is installed, which of the following directories would MOST likely be on a separate partition?



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- A. /var
- B. /usr
- C. /home
- D. /local

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

If the command below is executed in a user's home directory, which of the following would be accomplished?
echo hello >> allusers

- A. Sends the message 'hello' to all currently logged in users.
- B. Appends 'hello' to the end of the file llusers? if it exists.
- C. Sends the message 'hello' to all users on the system.
- D. Creates a new file called 'hello' and sends it to all users.

Correct Answer: B

Section: (none)

Explanation

QUESTION 9

Which of the following is the economical choice for high capacity off-site archiving?

- A. SCSI
- B. Tape
- C. Optical Recordable
- D. NVRAM

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Correct Answer: B

Section: (none)

Explanation

QUESTION 10

The following line is found in /etc/inittab

```
~ 3:2345:respawn:/sbin/mingetty tty3 ~
```

What is the meaning of the second field in this configuration line?

- A. A list of runlevels
- B. A timeout value
"Pass Any Exam. Any Time." - www.actualtests.com 22
CompTIA XK0-002: Practice Exam
- C. A flag or option code
- D. A terminal id

Correct Answer: A

Section: (none)

Explanation

QUESTION 11

An administrator wants to install Linux onto a computer that does not have a CD-ROM drive. Which of the following is the BEST way to complete the installation?

- A. Install via TFTP (Trivial File Transfer Protocol) from the network.
- B. Install via FTP from an FTP server.
- C. Copy the CD-ROM files to the machine using the 3.5" diskette drive.
- D. Install via NFS (Network File Server) from a Web server.

Correct Answer: B

Section: (none)

Explanation

QUESTION 12

The system administrator needs to examine the processes owned by the user with the login 'john'. Which of the following commands would accomplish this?

- A. `ps --all | grep john`
- B. `ps -U john`
- C. `ps -r john`
- D. `ps john`

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 13

Which of the following commands can be used to verify if a specific cron job is scheduled?

- A. `crontab -l`
- B. `cat /proc/timer/crond`
- C. `crond -q`
- D. `at -m`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 23

CompTIA XK0-002: Practice Exam

QUESTION 14

Which of the following file system types should be used for the /boot partition, assuming it should be accessible from a minimal boot kernel?

- A. ext3
- B. ext2
- C. reiserfs
- D. jfs

Correct Answer: B

Section: (none)
Explanation

QUESTION 15

The primary usages of the Snort application include which of the following?

- A. Intrusion detection, virus detection, and malware detection
- B. Intrusion detection, vulnerability assessment, and network mapping
- C. Intrusion detection, password cracking, and network scanning
- D. Intrusion detection, packet sniffing, and packet logging

Correct Answer: D

Section: (none)

Explanation

QUESTION 16

How can a user change their default BASH shell prompt?

- A. Change the \$PS1 variable in ~/.profile
- B. Change the \$PROMPT variable in ~/.cshrc
ActualTests.com
- C. Change the \$PS1 variable in ~/.cshrc
- D. Change the \$PROMPT variable in ~/.profile

Correct Answer: A

Section: (none)

Explanation

QUESTION 17

A system administrator wants to disable shell access for a user. Which of the following is the appropriate shell to set?

- A. /bin/disable
- B. /bin/sh
- C. /bin/false
"Pass Any Exam. Any Time." - www.actualtests.com 24
CompTIA XK0-002: Practice Exam
- D. /bin/passwd

Correct Answer: C

Section: (none)

Explanation

QUESTION 18

The following command is about to be executed:
ifconfig eth0 192.168.0.120 netmask 255.255.255.0 up

Which of the following will this command accomplish?

- A. Adds an alias for 192.168.0.120 on eth0.
- B. Sets eth0 to 192.168.0.120.

- C. Sets eth0 to listen for all addresses.
- D. At the next reboot, the eth0 will be set to 192.168.0.120.

Correct Answer: B

Section: (none)

Explanation

QUESTION 19

A daemon unexpectedly terminates. Which of the following files can be viewed to determine the source of the problem?

- A. dmesg
- B. boot.log
- C. wtmp
- D. messages

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 20

What are the results of the following command?
sendmail -qp5m

- A. Processes mail in blocks of five messages
- B. Limits queue to five messages
- C. Quits and restarts sendmail every five minutes
- D. Processes mail every five minutes

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 25
CompTIA XK0-002: Practice Exam

QUESTION 21

The MBR (master boot record) created from lilo on a system is corrupt. How can this be fixed?

- A. Boot using a rescue disk, verify the lilo.conf file and run "fixboot --mbr -t lilo".
- B. Boot using a live CD distribution and run chroot, verify the lilo.conf, and run lilo.
- C. Boot using the Linux distribution installation CD and run fsck on the /boot partition.
- D. Boot using a rescue disk, verify the lilo.conf file and run "fdisk /mbr".

Correct Answer: B

Section: (none)

Explanation

QUESTION 22

A set of computers is used for technical support. The manager has asked that users have restricted time periods in which they can login. Which of the following must be edited to accomplish this?

- A. ~/.bashrc
- B. /etc/group
- C. /etc/pam.conf
- D. /etc/logon.conf

Correct Answer: C

Section: (none)

Explanation

QUESTION 23

An administrator wants to add a new forward DNS Zone file to the Linux DNS server. Which of the following files should be edited to ensure the server will return answers for this zone?

- A. dns.conf
- B. resolv.conf
- C. nameserver.conf
- D. named.conf

Correct Answer: D

Section: (none)

Explanation

QUESTION 24

The administrator needs to set permissions on the /tmp directory as follows:
drwxrwxrwt 9 root root 4096 Jun 13 09:42 tmp

"Pass Any Exam. Any Time." - www.actualtests.com 26
CompTIA XK0-002: Practice Exam

Which of the following commands will accomplish this?

- A. chmod 0777 /tmp
- B. chmod 2777 /tmp
- C. chmod 1777 /tmp
- D. chmod 4777 /tmp

Correct Answer: C

Section: (none)

Explanation

QUESTION 25

Where is the ACPI (Advanced Control and Power Interface) power management dynamic information stored when devfs is compiled into the kernel?

- A. /proc
- B. /usr
- C. /dev
- D. /var

Correct Answer: A
Section: (none)
Explanation

QUESTION 26

Which of the following is a valid entry for /etc/fstab?

- A. /dev/hd1 /mnt/hda1 ntfs defaults,noatime,notail 0 0
- B. /dev/hdb1 /mnt/hdb1 reiser defaults,noatime,notail 0 0
- C. /dev/hdb1 /mnt/hdb1 ext3 defaults,noatime,notail 0 0
ActualTests.com
- D. /dev/hda1 /proc/hda1 ntfs defaults,noatime,notail 0 0

Correct Answer: C
Section: (none)
Explanation

QUESTION 27

Which of the following settings of the UMASK would cause new files to be created with mode 640?

- A. 037
 - B. 367
 - C. 177
 - D. 640
- "Pass Any Exam. Any Time." - www.actualtests.com 27
CompTIA XK0-002: Practice Exam

Correct Answer: A
Section: (none)
Explanation

QUESTION 28

How should a Linux administrator prevent the root user from logging in remotely via SSH (Secure Shell)?

- A. Add enyLogin to /root/.ssh/sshd_config
- B. Add ermitRootLogin no to /etc/ssh/sshd_config
- C. Add ermitLogin no to /root/.ssh/sshd_config
- D. Add enyRootLogin to /etc/ssh/sshd_config

Correct Answer: B
Section: (none)
Explanation

QUESTION 29

How can the Apache working directory be set to /home/user/html from the command line?

- A. httpd --root /home/user/html
- B. httpd -d /home/user/html
- C. httpd --directory /home/user/html
- D. httpd -r /home/user/html

Correct Answer: B
Section: (none)
Explanation

QUESTION 30

After properly installing both the sound card and modules, the technician attempted to play an ActualTests.com MP3 file, but no sound was heard. Which of the following is MOST likely to be the problem?

- A. The sound module was not added to the kernel.
- B. The sound card does not support MP3 playback.
- C. The sound card is not on the HCL (Hardware Compatibility List).
- D. The ALSA (Advanced Linux Sound Architecture) sound server was not started.

Correct Answer: D
Section: (none)
Explanation

QUESTION 31

Before performing a new Linux server installation, what part of the installation should be planned and documented?

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CompTIA XK0-002: Practice Exam

- A. Partition map, root password, required packages, performance baseline
- B. System hardware, partition map, required services, user passwords
- C. Partition map, required packages, daemon configuration, performance baseline
- D. System hardware, required packages, required services, partition map

Correct Answer: D
Section: (none)
Explanation

QUESTION 32

How can a Linux user use vi to edit the first 30 lines of a 60-line file and replace all occurrences of test to TEST?

- A. :30s/test/TEST/g
- B. :1,30s/test/TEST/g
- C. :s/test/TEST/g
- D. :/s/test/TEST/g

Correct Answer: B
Section: (none)
Explanation

QUESTION 33

When a new Snort system is installed, where should the system be placed on the network?

- A. On an isolated network segment

- B. On the network perimeter
- C. Near the system administrator's workstation
- D. On the core network router

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 34

The DNS administrator needs to change the IP address of the primary Webserver. Any downtime would have a major impact. Which of the following is the BEST way to minimize the downtime?

- A. Update /etc/resolv.conf on the Webserver.
- B. Change the Webserver TTL (Time-To-Live) record to 5 minutes.
- C. Change the Webserver PTR record to the new hostname.
- D. Notify the domain registrar of the change in advance.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 29

CompTIA XK0-002: Practice Exam

QUESTION 35

A new administrator is asked to reconfigure a Linux machine. The prior administrator did not give the root password to the current administrator. Which of the following is the FIRST step the new administrator should do to reset the root password?



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- A. Use view to edit the password file.
- B. Boot to single user mode.
- C. Run a password recovery utility.
- D. Reinstall the operating system.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Which of the following encryption algorithms are natively supported for the /etc/shadow file?

- A. DES
- B. twofish
- C. 3DES
- D. RC4

Correct Answer: A

Section: (none)

Explanation

QUESTION 37

Which of the following is the BEST tool to measure system performance baseline over a period of time?
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- A. netstat
- B. pmap
- C. var
- D. sar

Correct Answer: D

Section: (none)

Explanation

QUESTION 38

Which of the following is the FIRST step that should be taken prior to installing Linux on new hardware?

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CompTIA XK0-002: Practice Exam

- A. Run the sysprep utility from the Linux vendor's CD.
- B. Review the HCL (Hardware Compatibility List) on the Linux distributor's Website.
- C. Download all appropriate device drivers from the Linux vendor's Website.
- D. Verify that the hard drive has been formatted.

Correct Answer: B

Section: (none)

Explanation

QUESTION 39

How would a user send /etc/aliases as the text of an email to another user on the same system?

- A. wall -s 'Our Aliases' > /etc/aliases
- B. postfix someone@localhost -s 'Our Aliases' < /etc/aliases
- C. sendmail someone@localhost -s 'Our Aliases' > /etc/aliases
- D. mail someone@localhost -s 'Our Aliases' < /etc/aliases

Correct Answer: D

Section: (none)

Explanation

QUESTION 40

Which of the following RAID configurations is BEST for a streaming-video server where reliability is NOT important?

- A. RAID 5
- B. RAID 3
- C. RAID 1
- D. RAID 0

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 41

Which of the following strings indicates that the input of the program called printData should be redirected from the file called yData?

- A. printData | myData
- B. printData > myData
- C. printData . myData
- D. printData < myData

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 31
CompTIA XK0-002: Practice Exam

QUESTION 42

Which of the following environment variables specifies the location where user files are stored by default?

- A. SHELL
- B. FILES
- C. HOME
- D. PATH

Correct Answer: C

Section: (none)

Explanation

QUESTION 43

A Linux print server must limit access to its printers. Only the database server must be allowed to print. Which method is considered best practice?

- A. Edit /etc/printcap and add a filter to only include the database server
- B. Limit file permissions on the printer filter to users on the database server
- C. Limit file permissions on the spool directory to users on the database server
- D. Edit /etc/hosts.lpd to only include the database server

Correct Answer: D

Section: (none)

Explanation

QUESTION 44

Which of the following files should be edited to provide static name to IP address mapping? ActualTests.com

- A. /etc/hosts
- B. /etc/host.conf
- C. /etc/resolv.conf
- D. /etc/hosts.allow

Correct Answer: D

Section: (none)

Explanation

QUESTION 45

Using SSH (Secure Shell), what is the correct syntax for the user doe4?to login remotely to the example.com server?

"Pass Any Exam. Any Time." - www.actualtests.com 32
CompTIA XK0-002: Practice Exam

- A. ssh -l jdoe4 example.com
- B. ssh --user jdoe4@example.com
- C. ssh jdoe4 example.com
- D. ssh example.com jdoe4:password

Correct Answer: A

Section: (none)

Explanation

QUESTION 46

How could a user substitute all instances of C with omputer in a file named nstructions and display the results in the terminal window?

- A. cat instructions | awk C omputer
- B. cat instructions | awk '/PC/ print omputer'
- C. sed s/PC/computer/g instructions
- D. sed -s PC -r computer instructions

Correct Answer: C

Section: (none)

Explanation

QUESTION 47

For troubleshooting, a technician needs to boot an SMP (Symmetric Multi-Processor) system to use a single CPU. Which of the following is the correct parameter to pass to the kernel at boot time?

- A. disable-smp
- B. nosmp
- C. block-cpu-1

D. enable_smp=no
ActualTests.com

Correct Answer: B

Section: (none)

Explanation

QUESTION 48

LPR access for specific hosts can be configured in which of the following files?

- A. hosts.allow
 - B. printcap
 - C. hosts.equiv
 - D. lpd.allow
- "Pass Any Exam. Any Time." - www.actualtests.com 33
CompTIA XK0-002: Practice Exam

Correct Answer: C

Section: (none)

Explanation

QUESTION 49

After the LILO configuration file is edited, which of the following needs to be done to implement the changes?

- A. fdisk-mbr
- B. lilo.conf
- C. loadlin
- D. lilo

Correct Answer: D

Section: (none)

Explanation

QUESTION 50

A technician added a PCI network card to a stable Linux server. The server is now generating I/O errors when the kernel module for the network card is loaded. Which of the following actions will solve the problem?

- A. Change the server BIOS setting to disable the network card BIOS.
- B. Reconfigure the network card to use a different IP address.
- C. Disable the power management in the BIOS.
- D. Move the network card to another available slot.

Correct Answer: D

Section: (none)

Explanation

QUESTION 51

ActualTests.com

When the application `op` is used, which of the following interactive commands in `op` will display the process with highest memory usage?

- A. I
- B. M
- C. R
- D. L

Correct Answer: B

Section: (none)

Explanation

QUESTION 52

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CompTIA XK0-002: Practice Exam

Which of the following contains user default configuration files and directories?

- A. /usr/default.conf
- B. /etc/skel
- C. /etc/users.conf
- D. /usr/config

Correct Answer: B

Section: (none)

Explanation

QUESTION 53

Which of the following packages is needed on a server to allow other Linux workstations to authenticate local users through the server?

- A. NIS
- B. NFS (Network File System)
- C. Imapd
- D. Samba

Correct Answer: A

Section: (none)

Explanation

QUESTION 54

After the Linux technician has completed the server configuration documentation, where should this documentation be stored, according to best practice?

- A. In an approved fire-proof container, located in a secure off-site facility
- B. In a binder, securely stored in an area located near the server
- C. In a predetermined secure location on-site, but not in the server room ActualTests.com
- D. In an office, to be filed and labeled appropriately with the rest of the system documentation

Correct Answer: B

Section: (none)

Explanation

QUESTION 55

Which of the following is the default file name for the ake command?

- A. Config.make
- B. Make
- C. Config.in
- D. Makefile

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CompTIA XK0-002: Practice Exam

Correct Answer: D

Section: (none)

Explanation

QUESTION 56

A company currently has four Linux servers and wants to install a fifth server to perform user authentication. Which of the following is a valid protocol for centralized user authentication?

- A. LDAP
- B. MD4
- C. SHA1
- D. 3DES

Correct Answer: A

Section: (none)

Explanation

QUESTION 57

When a RAID 5 array is configured with a hot-spare disk under Linux, which of the following is the minimum number of drives required?

- A. 5
- B. 4
- C. 3
- D. 2

Correct Answer: B

Section: (none)

Explanation

QUESTION 58

ActualTests.com

A Linux technician is preparing to install a 64-bit Ultra 320 SCSI PCI controller on a x86 system. Which of the following must the system have to allow this to work at full functionality?

- A. 64 bit PCI slot
- B. 64 bit diskette
- C. 64 bit memory path
- D. 64 bit processor

Correct Answer: A

Section: (none)

Explanation

QUESTION 59

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CompTIA XK0-002: Practice Exam

A telecommunications controller will be installed in a Linux server. The model number is available to identify the card. How can the Linux technician confirm that the device is supported by the Linux distribution?

- A. Check the Linux distribution's Website.
- B. Check the /dev directory.
- C. Check the government's telecommunications Website.
- D. Check the /etc/sysconfig directory.

Correct Answer: A

Section: (none)

Explanation

QUESTION 60

When executed, what type of installation file is created by the following command? `tar cvvjf filename file4 file2 file12`

- A. jar archive
- B. lha tarball
- C. gzip archive
- D. bzip2 tarball

Correct Answer: D

Section: (none)

Explanation

QUESTION 61

A user complains that the mount point the system uses for the CD-ROM device is too long. The user wants to change the mount point from /media/cdrom to /cdrom. Which of the following files needs to be edited?

- A. /etc/exports
- B. /etc/mount
- C. /etc/mtab
- D. /etc/fstab

Correct Answer: D

Section: (none)

Explanation

QUESTION 62

A user needs to attach a Linux laptop to a wireless access point using 802.11b. Which of the following applications would allow the user to configure the WEP (Wired Equivalent Privacy) key?

- A. wlanconfig
- B. netconfig
- C. wl-keygen
- D. WINE

Correct Answer: A
Section: (none)
Explanation

QUESTION 63

If the command below is executed in a user's home directory, which of the following would be accomplished?
echo hello >> allusers

- A. Sends the message 'hello' to all currently logged in users.
- B. Appends 'hello' to the end of the file llusers? if it exists.
- C. Sends the message 'hello' to all users on the system.
- D. Creates a new file called 'hello' and sends it to all users.

Correct Answer: B
Section: (none)
Explanation

QUESTION 64

An administrator wants to create a script that installs NewFonts.rpm on several desktop computers. The script should check if the RPM is already installed. Which of the following commands would determine if NewFonts.rpm is already installed?

- A. rpm -a NewFonts
- B. rpm --list NewFonts
- C. rpm --checksig NewFonts
- D. rpm -q NewFonts

Correct Answer: D
Section: (none)
Explanation

QUESTION 65

A user wants to define a new Web space. The browser header will be examined by Apache to ActualTests.com determine which Web space the client will be sent, rather than by examining the port number of IP address. Which of the following directives can be used to accomplish this?

- A. VirtualHost
- B. HeaderSite
- C. VirtualWebsite
- D. NamedSiteEntry

Correct Answer: A
Section: (none)
Explanation

QUESTION 66

A newly created user, john, reports that he has access to the file ?var/mail/joe? but should not have this access. Which of the following MOST likely caused this?

- A. User john was created with the same UID (User ID) as the removed user named joe.

- B. User john and joe are sharing a home directory.
- C. User john is forwarding all of his mail to joe.
- D. User joe's email is still cached by the system although his UID (User ID) has been removed.

Correct Answer: A

Section: (none)

Explanation

QUESTION 67

How can a user view an X Window from a remote system on their local system?

- A. from the local system:
export DISPLAY=remote:0.0
- B. from the remote system:
export DISPLAY=remote:0.0
- C. from the local system:
export DISPLAY=local:0.0
- D. from the remote system:
export DISPLAY=local:0.0

Correct Answer: D

Section: (none)

Explanation

QUESTION 68

Users begin reporting that they receive 'Unable to resolve hostname' error messages. Which of the following daemons should the administrator verify is running?

- A. resolv
- B. dhcpd
- C. bind
- D. named

Correct Answer: D

Section: (none)

Explanation

QUESTION 69

ActualTests.com

A Linux system is configured with a RAID 5 array consisting of six 20GB hard drives. How much usable storage space is available?

- A. 100
- B. 120
- C. 80
- D. 50

Correct Answer: A

Section: (none)

Explanation

Exam C

QUESTION 1

After setup has completed, the user decides to test the DVD drive to ensure it was installed properly. After issuing `mount /mnt/dvdrom`, the error "mount: no medium found" is returned. Which of the following actions will MOST likely solve this problem?

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- A. Ensure that `/mnt/dvdrom` has an entry in `/etc/fstab`.
- B. Issue the command `"mount /dev/dvdrom /mnt/dvdrom"`.
- C. Insert a DVD into the drive, then re-issue the mount command.
- D. Create the directory `/mnt/dvdrom`.

Correct Answer: C

Section: (none)

Explanation

QUESTION 2

Which of the following is used to register a new printer with CUPS on a system using default settings?

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CompTIA XK0-002: Practice Exam

- A. `cupsctl`
- B. `edit /etc/cups/printcap`
- C. `lynx http://127.0.0.1:631`
- D. `cups --add-printer`

Correct Answer: C

Section: (none)

Explanation

QUESTION 3

A Linux technician needs to check the current resource utilization for processes. Which of the following commands should be used?

- A. `netstat`
- B. `top`
- C. `sar`
- D. `pmap`

Correct Answer: B

Section: (none)

Explanation

QUESTION 4

The administrator issues the `'ls -l /home'` command and sees the following output:

```
drwxr-sr-x 2 578 578 4096 Jun 13 13:50 user1
```

The output indicates which of the following?

- A. The user1 directory has 578 inodes.
- B. User1 is a system administrator.
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- C. The user1 directory is now owned by user 578.
- D. The user1 entry was deleted from /etc/passwd.

Correct Answer: C

Section: (none)

Explanation

QUESTION 5

Which of the following files can be edited to enable the Telnet service?

- A. /etc/xinetd.d/telnet
- B. /sbin/init
- C. /bin/init
"Pass Any Exam. Any Time." - www.actualtests.com 38
CompTIA XK0-002: Practice Exam
- D. /etc/init.d/telnet

Correct Answer: A

Section: (none)

Explanation

QUESTION 6

Which of the following services needs to be installed on a server to support new diskless client workstations?

- A. PXE (Preboot eXecution Environment) and tftpd
- B. named and httpd
- C. remoted and dhcpd
- D. dhcpd and rexec

Correct Answer: A

Section: (none)

Explanation

QUESTION 7

Which of the following commands will list all RPM packages installed on the system?

- A. rpm -Uvh
- B. rpm -i
- C. rpm --list
- D. rpm -qa

Correct Answer: D

Section: (none)

Explanation

QUESTION 8

ActualTests.com

A Linux system is configured with a RAID 5 array consisting of six 20GB hard drives. How much usable storage

space is available?

- A. 100
- B. 120
- C. 80
- D. 50

Correct Answer: A

Section: (none)

Explanation

QUESTION 9

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CompTIA XK0-002: Practice Exam

Which of the following is used to secure http communications?

- A. SSH (Secure Shell)
- B. TLS (Transport Layer Security)
- C. Blowfish
- D. PGP (Pretty Good Privacy)

Correct Answer: B

Section: (none)

Explanation

QUESTION 10

Which of the following configuration files should a Linux administrator edit in order to restrict the use of su to a single group?

- A. /etc/sysctl.conf
- B. /etc/environment
- C. /etc/pam.d/su
- D. /etc/login.conf

Correct Answer: C

Section: (none)

Explanation

QUESTION 11

In a Linux software RAID 1 array created during the installation process, the primary IDE master has a hardware failure. Now the system will not boot. Which of the following will allow the system to boot properly and salvage the information?

- A. Use fdisk to repair the partition table.
- B. Use Disk Druid to repair the array.
ActualTests.com
- C. Run fsck on the faulty drive.
- D. Remove the faulty drive from the system.

Correct Answer: D

Section: (none)

Explanation

QUESTION 12

An update CD-ROM for a distribution contains the latest RPMs for all packages that they provide. Which of the following is the BEST command to use to update all of the existing RPMs on a server without making any other changes?

- A. `rpm -i /mnt/cdrom/RPMS/*.rpm`
"Pass Any Exam. Any Time." - www.actualtests.com 40
CompTIA XK0-002: Practice Exam
- B. `rpm -update /mnt/cdrom/RPMS/*.rpm`
- C. `rpm --update /mnt/cdrom/RPMS/*.rpm`
- D. `rpm -F /mnt/cdrom/RPMS/*.rpm`

Correct Answer: D

Section: (none)

Explanation

QUESTION 13

Which of the following files holds the XFree86 configuration by default?

- A. XF86.conf
- B. XF86Config
- C. XFree86.conf
- D. XFree86Config

Correct Answer: B

Section: (none)

Explanation

QUESTION 14

In which of the following runlevels is X Windows started by default?

- A. 2
- B. 5
- C. 3
- D. 6

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 15

If `/etc/syslog.conf` has the following entry:

```
mail.* -/var/log/mail.log
```

Which of the following log events will this line cause to be logged to `mail.log`?

- A. The events logged to the mail facility at any priority.

- B. The events logged by a program called ail?
 - C. The events generated by a user called ail?
 - D. The events logged from any host that begins with the name mail.
- "Pass Any Exam. Any Time." - www.actualtests.com 41
CompTIA XK0-002: Practice Exam

Correct Answer: A

Section: (none)

Explanation

QUESTION 16

The following is part of the Samba configuration file:

```
[aprinter]
path = /usr/spool/public
read only = yes
printable = yes
```

Which of the following lines needs to be added to the file to allow print access to everyone?

- A. anonymous = yes
- B. printall = yes
- C. guest ok = yes
- D. users = *

Correct Answer: C

Section: (none)

Explanation

QUESTION 17

Which of the following commands displays the name of the current shell?

- A. cat /proc/shell
 - B. echo \$SHELL
 - C. shell
 - D. uname -s
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Correct Answer: B

Section: (none)

Explanation

QUESTION 18

An administrator who logged in as a standard user needs to kill process 1010 that was started by the root user. Which of the following commands will kill the process?

- A. su "kill 1010"
 - B. killall -9 1010
 - C. kill 1010
 - D. su -c "kill 1010"
- "Pass Any Exam. Any Time." - www.actualtests.com 42
CompTIA XK0-002: Practice Exam

Correct Answer: D
Section: (none)
Explanation

QUESTION 19

A system is very likely compromised if which of the following has occurred?

- A. The system is extremely slow.
- B. Some commands behave abnormally.
- C. One of the hard drives has crashed.
- D. The /root file system is full.

Correct Answer: B
Section: (none)
Explanation

QUESTION 20

The root user receives a 'Permission denied' error message when trying to write files to an NFS (Network File System) mounted directory. Which of the following is the MOST likely cause of this error?

- A. The server share needs to specify no_root_squash.
- B. The server is not allowing the client to connect.
- C. The server needs to allow NFS UDP packets.
- D. The directory needs to be remounted as NFSv3.

Correct Answer: A
Section: (none)
Explanation

QUESTION 21

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Which of the following services could be used to provide remote configuration of the networking address, routing, and DNS settings for other devices on a network?

- A. netsetup
- B. netconfig
- C. routed
- D. dhcpd

Correct Answer: D
Section: (none)
Explanation

QUESTION 22

"Pass Any Exam. Any Time." - www.actualtests.com 43
CompTIA XK0-002: Practice Exam

A user wants to install Linux as a dual-boot option on the second hard drive on the primary IDE controller. Which of the following devices would be the target of the Linux partitioning?

- A. /dev/sdb

- B. /dev/hdb
- C. /dev/sda
- D. /dev/hda

Correct Answer: B

Section: (none)

Explanation

QUESTION 23

Which of the following Linux files is used to assign users to groups?

- A. /usr/group
- B. /etc/users
- C. /etc/group
- D. /etc/passwd

Correct Answer: C

Section: (none)

Explanation

QUESTION 24

Which of the following is the quickest way to create a file that lists groups to which the user 'bob' belongs?

- A. cd /etc; cat groups | grep bob | vi > bob_groups.txt
- B. find /etc/passwd bob >> bob_groups.txt
- C. grep bob /etc/group > bob_groups.txt
- D. whereis bob >> bob_groups.txt

Correct Answer: C

Section: (none)

Explanation

QUESTION 25

Which of the following services commonly uses Port 25?

- A. POP3
 - B. FTP
 - C. SMTP
 - D. SMNP
- "Pass Any Exam. Any Time." - www.actualtests.com 44
CompTIA XK0-002: Practice Exam

Correct Answer: C

Section: (none)

Explanation

QUESTION 26

Which of the following commands can be used to display the location of all the setuid regular files on /mnt?

- A. find /mnt -setuid -ls

- B. find /mnt -mode s -ls
- C. find /mnt -suid -type f -ls
- D. find /mnt -type f -perm -u+s -ls

Correct Answer: D

Section: (none)

Explanation

QUESTION 27

A system administrator routinely needs to see the list of who has logged in and logged out on a machine as well as their login times. Which of the following commands searches the "/var/log/wtmp" file and displays who has logged onto the machine and when they logged on?

- A. log --list
- B. who
- C. w
- D. last

Correct Answer: D

Section: (none)

Explanation

QUESTION 28

ActualTests.com

Which runlevel would be used to repair a system and grant access to the root user only?

- A. 2
- B. 0
- C. 6
- D. 1

Correct Answer: D

Section: (none)

Explanation

QUESTION 29

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CompTIA XK0-002: Practice Exam

Which of the following tripwire commands can be run to analyze the current status of the system?

- A. tripwire --check
- B. tripwire --monitor
- C. tripwire --status
- D. tripwire --verify

Correct Answer: A

Section: (none)

Explanation

QUESTION 30

How can the X window server be restarted?

- A. Press <Ctrl><Alt><Delete>
- B. Press <Ctrl><Alt><Backspace>
- C. Change consoles and type the command `kill -9 X`
- D. Press <Ctrl><Alt><F5>, login, and type `startx`

Correct Answer: B

Section: (none)

Explanation

QUESTION 31

A user wants to know how to set up SSH (Secure Shell) to communicate between systems without requiring passwords. Which of the following is the BEST way to accomplish this?

- A. Use `ssh-keygen` to generate public-private keys.
- B. Use RSH (Remote Shell) rather than SSH because it does not require passwords.
- C. Disable passwords on specific accounts that will use SSH.
- D. Add systems that do not need passwords to the `/etc/ssh.hosts` file.

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Correct Answer: A

Section: (none)

Explanation

QUESTION 32

A Linux specialist wants to check which shares are offered by a Windows server. Which of the following commands is used to perform this task?

- A. `showshares`
- B. `smbclient`
- C. `smbserver`
- D. `listshares`

"Pass Any Exam. Any Time." - www.actualtests.com 46
CompTIA XK0-002: Practice Exam

Correct Answer: B

Section: (none)

Explanation

QUESTION 33

An administrator would like to test a newly installed printer. Which of the following commands would accomplish this?

- A. `lpr -test < /dev/zero`
- B. `print -check`
- C. `echo testing | lpr`
- D. `lpr -P/dev/zero`

Correct Answer: C

Section: (none)

Explanation

QUESTION 34

A user typed the following command on a machine:
ifconfig eth0:1 192.168.155.5 up

Which of the following is the effect of typing this on a machine that already has an address of 192.168.155.1 assigned to eth0?

- A. The current IP address will be replaced with 192.168.155.5.
- B. The gateway address will be replaced with 192.168.155.5.
- C. The address of 192.168.155.5 will be assigned to the second physical NIC.
- D. 192.168.155.5 will be assigned to eth0 as a second IP address.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 35

If a user wishes to monitor the last three lines of the log file messages.log and update it every 15 seconds, which of the following commands should be issued?

- A. follow -f -s 15 -n 3 messages.log
- B. tail -f -s 15 -n 3 messages.log
- C. sar -f -s 15 -n 3 messages.log
- D. watch -f -s 15 -n 3 messages.log

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 47

CompTIA XK0-002: Practice Exam

QUESTION 36

An administrator wants to create a script that installs NewFonts.rpm on several desktop computers. The script should check if the RPM is already installed. Which of the following commands would determine if NewFonts.rpm is already installed?

- A. rpm -a NewFonts
- B. rpm --list NewFonts
- C. rpm --checksig NewFonts
- D. rpm -q NewFonts

Correct Answer: D

Section: (none)

Explanation

QUESTION 37

Which of the following ifconfig commands can be used to assign the IP address 192.168.1.15/24 to the second NIC (Network Interface Card) in a workstation?

- A. `ifconfig eth2 192.168.1.15 subnet 255.255.255.0`
- B. `ifconfig eth1 192.168.1.15 netmask 255.255.255.0`
- C. `ifconfig eth1 192.168.1.15 subnet 255.255.255.0`
- D. `ifconfig eth2 192.168.1.15 netmask 255.255.255.0`

Correct Answer: B

Section: (none)

Explanation

QUESTION 38

A Linux administrator is trying to set up a server that provides the MOST secure communication for remote administration. Which of the following is the BEST choice for this situation? ActualTests.com

- A. SSH (Secure Shell)
- B. Kerberos
- C. RSH (Remote Shell)
- D. FreeRADIUS

Correct Answer: A

Section: (none)

Explanation

QUESTION 39

Which of the following commands can be run to remove all the rules in an iptables table?

- A. `iptables --delete`
"Pass Any Exam. Any Time." - www.actualtests.com 48
CompTIA XK0-002: Practice Exam
- B. `iptables -L`
- C. `iptables -F`
- D. `iptables -A`

Correct Answer: C

Section: (none)

Explanation

QUESTION 40

How can a user view an X Window from a remote system on their local system?

- A. from the local system:
`export DISPLAY=remote:0.0`
- B. from the remote system:
`export DISPLAY=remote:0.0`
- C. from the local system:
`export DISPLAY=local:0.0`
- D. from the remote system:
`export DISPLAY=local:0.0`

Correct Answer: D

Section: (none)

Explanation

QUESTION 41

A new user must have local FTP access but not interactive login access. The following entry in /etc/passwd corresponds to this user:

```
repositoryuser:x:502:502::/home/repositoryuser:/bin/false
```

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Upon testing, repositoryuser cannot login to the FTP server. Which of the following is MOST likely the problem?

- A. There is an entry in /etc/shells for repositoryuser's shell.
- B. There is an entry in /etc/ftpusers for repositoryuser.
- C. The repositoryuser is not in the FTP group.
- D. There is no entry in /etc/exports for repositoryuser's home directory.

Correct Answer: B

Section: (none)

Explanation

QUESTION 42

A technician wants to allow the computer to sniff incoming and outgoing packets on the Ethernet interface.

Which of the following ifconfig commands will do this correctly? "Pass Any Exam. Any Time." -

www.actualtests.com 49

CompTIA XK0-002: Practice Exam

- A. ifconfig eth0 promisc
- B. ifconfig eth0 listenall
- C. ifconfig eth0 multicast
- D. ifconfig eth0 unicast

Correct Answer: A

Section: (none)

Explanation

QUESTION 43

A new tape drive has been added to a Linux system. Which of the following commands can be used to verify that the tape drive is operational?

- A. mount -f ftape
- B. dmseg | grep ftape
- C. tcpdump ftape
- D. tar -xvf ftape

Correct Answer: B

Section: (none)

Explanation

QUESTION 44

A Linux administrator is about to install a Linux server. The server has 256MB of RAM. Which of the following sizes of the swap partition is generally recommended?

- A. 128MB

- B. 512MB
 - C. 1024MB
 - D. 256MB
- ActualTests.com

Correct Answer: B

Section: (none)

Explanation

QUESTION 45

Which of the following commands is used to obtain the summary of mounted hard drive partitions?

- A. fsck
- B. ls -la
- C. df
- D. fdisk -l

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 50
CompTIA XK0-002: Practice Exam

QUESTION 46

A Samba server is not functioning properly. Which of the following commands should be run to verify that the configuration is correct?

- A. smbcheck
- B. testparm
- C. smbd --check
- D. chkconfig samba

Correct Answer: B

Section: (none)

Explanation

QUESTION 47

A business wants to be able to track all Websites that are visited by its employees. Which of the following Linux packages would BEST serve this need?

- A. Apache
- B. Samba
- C. Squid
- D. BIND

Correct Answer: C

Section: (none)

Explanation

QUESTION 48

A user wants to define a new Web space. The browser header will be examined by Apache to ActualTests.com determine which Web space the client will be sent, rather than by examining the port number of IP address. Which of the following directives can be used to accomplish this?

- A. VirtualHost
- B. HeaderSite
- C. VirtualWebsite
- D. NamedSiteEntry

Correct Answer: A

Section: (none)

Explanation

QUESTION 49

"Pass Any Exam. Any Time." - www.actualtests.com 51
CompTIA XK0-002: Practice Exam

After replacing the network card in a Linux machine, a user wants to find out if the card was detected properly at boot. Which of the following commands will provide this information?

- A. hwstat | grep eth
- B. ls -l /dev/eth*
- C. dmesg | grep eth
- D. cat /proc/net | grep eth

Correct Answer: C

Section: (none)

Explanation

QUESTION 50

Users begin reporting that they receive 'Unable to resolve hostname' error messages. Which of the following daemons should the administrator verify is running?

- A. resolv
- B. dhcpd
- C. bind
- D. named

Correct Answer: D

Section: (none)

Explanation

QUESTION 51

Which of the following commands can be used to configure a router to reject the address for the 192.168.100.0/24 network using the route command?

- A. route del -net 192.168.100.0 netmask 255.255.255.0 deny
- B. route add -net 192.168.100.0 netmask 255.255.255.0 deny ActualTests.com
- C. route add -net 192.168.100.0 netmask 255.255.255.0 reject
- D. route del -net 192.168.100.0 netmask 255.255.255.0 reject

Correct Answer: C

Section: (none)

Explanation

QUESTION 52

Files created in the /home/ourgroup directory need to automatically have group ownership that is identical to the directory itself. Which of the following actions will accomplish this?

- A. Assign private permissions on the directory using hown g+s /home/ourgroup
- B. Set the sticky bit using hmod 2770 /home/ourgroup
"Pass Any Exam. Any Time." - www.actualtests.com 52
CompTIA XK0-002: Practice Exam
- C. Set permanent permissions on the directory by running kdir g+s /home/ourgroup
- D. Set the SGID bit using hmod g+s /home/ourgroup

Correct Answer: D

Section: (none)

Explanation

QUESTION 53

A new driver version has been downloaded. When it is compiled it asks for the location of the kernel sources. Where are the kernel sources normally located?

- A. /usr/src
- B. /usr/kernel/src
- C. /usr/kernel
- D. /opt/kernel

Correct Answer: A

Section: (none)

Explanation

QUESTION 54

Which of the following commands will mount a USB flash drive successfully in Linux?

- A. mount /dev/sda1 /mnt/usb
- B. mount -t usbfs /dev/usb001 /mnt/usb
- C. mount /dev/uda1 /mnt/usb
- D. mount /dev/hde1 /mnt/usb

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 55

A systems administrator has recently downloaded a network analysis tool from an FTP repository. After installation of the tool, suspicious behavior is noted. How can it be verified that the package has not been altered?

- A. Boot the system from a live CD distribution and run the fsck tool on the partition where the package is installed.

- B. Download the MD5 hash file from the original FTP site and compare it against the MD5 hash generated from the downloaded file.
 - C. Uninstall the application and re-install it while in single user mode and carefully watch the install logs for suspicious activity.
 - D. Download the MD5 hash file from the original software developer's website and compare it against the MD5 hash generated from the downloaded file.
- "Pass Any Exam. Any Time." - www.actualtests.com 53
CompTIA XK0-002: Practice Exam

Correct Answer: D
Section: (none)
Explanation

QUESTION 56

Which of the following commands will display information in the manual page for the passwd file?

- A. man -k 2 passwd
- B. man 5 passwd
- C. man -k 5 passwd
- D. man 2 passwd

Correct Answer: B
Section: (none)
Explanation

QUESTION 57

To which of the following IRQ settings does ttyS1 default on a Linux server?

- A. 12
- B. 3
- C. 5
- D. 4

Correct Answer: B
Section: (none)
Explanation

QUESTION 58

Which of the following commands should be used to monitor system logs in real time?

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- A. tail -v /var/log/messages
- B. tail -s /var/log/messages
- C. tail -r /var/log/messages
- D. tail -f /var/log/messages

Correct Answer: D
Section: (none)
Explanation

QUESTION 59

A user complained that a laptop system seems slow. Which of the following commands can be used to see what processor was detected on boot?

"Pass Any Exam. Any Time." - www.actualtests.com 54
CompTIA XK0-002: Practice Exam

- A. POST
- B. cpuinfo
- C. dmesg
- D. proc

Correct Answer: C

Section: (none)

Explanation

QUESTION 60

A user is editing a file in vi and wants to run the command `s ux` without leaving vi. Which of the following commands will do this?

- A. `:// ps -aux`
- B. `:cmd ps -aux`
- C. `:# ps -aux`
- D. `:! ps -aux`

Correct Answer: D

Section: (none)

Explanation

QUESTION 61

A newly created user, john, reports that he has access to the file `?var/mail/joe?` but should not have this access. Which of the following MOST likely caused this?

- A. User john was created with the same UID (User ID) as the removed user named joe.
- B. User john and joe are sharing a home directory.
- C. User john is forwarding all of his mail to joe.
- D. User joe's email is still cached by the system although his UID (User ID) has been removed.

Correct Answer: A

Section: (none)

Explanation

QUESTION 62

A technician is creating MPEG-2 video files in Linux. In addition to a video card with input source, which of the following multimedia components is also required?

- A. XFree86
 - B. MPEG-2 capable camera
 - C. MPEG-2 encoder
 - D. Sound card
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Correct Answer: C

Section: (none)

Explanation

QUESTION 63

ActualTests.com

A Linux system is configured with a RAID 5 array consisting of six 20GB hard drives. How much usable storage space is available?

- A. 100
- B. 120
- C. 80
- D. 50

Correct Answer: A

Section: (none)

Explanation

QUESTION 64

A production Web server is experiencing an unusually large amount of new incoming TCP connections. Which of the following is MOST likely the problem?

- A. NIC malfunction
- B. DoS (Denial of Service)
ActualTests.com
- C. Virus
- D. Too many users

Correct Answer: B

Section: (none)

Explanation

QUESTION 65

Which of the following group-level permissions is needed to create user accounts?

- A. ntadmin
- B. adm
- C. nobody
- D. root

Correct Answer: D

Section: (none)

Explanation

QUESTION 66

In which subdirectory of the Apache root should scripts be placed?

- A. cgi-bin
- B. bin
- C. htdocs
- D. htbina

Correct Answer: A

Section: (none)

Explanation

QUESTION 67

Which of the following Linux systems would MOST likely be without a monitor and keyboard?

- A. Thin client workstation
ActualTests.com
- B. Portable network traffic analyzer
- C. Database server appliance
- D. Web browser kiosk

Correct Answer: C

Section: (none)

Explanation

QUESTION 68

A Linux machine has a local address of 192.168.1.1 with a subnet mask of 255.255.255.0. All services are currently denied. Which of the following lines should be appended to the hosts.allow file to permit access to the Web service on the local subnet?

- A. ALL except httpd: 192.168.1.1/24
- B. ALL: 192.168.1.255/24
- C. httpd: 192.168.1.0/24
- D. 192.168.1.255/255.255.255.0:httpd

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 107
CompTIA XK0-002: Practice Exam

QUESTION 69

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The IDS (Intrusion Detection System) reports many events that are not security incidents. Which of the following is the term for these types of events?

- A. False positives
- B. True negatives
- C. False negatives
- D. True positives

Correct Answer: A

Section: (none)

Explanation

Exam D

QUESTION 1

An administrator wishes to mount an NFS (Network File System) export of the directory /usr located on 10.0.0.1 onto the local mount point called /usr. Which of the following commands should be used?

- A. smbmount
 - B. mount
 - C. mountd
 - D. remount
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Correct Answer: B

Section: (none)

Explanation

QUESTION 2

The system administrator suspects the machine has been compromised and would like to search the system for any setuid programs. Which of the following commands would accomplish this?

- A. search u+s
 - B. locate --suid
 - C. rpm -Va
 - D. find / -perm -4000
- "Pass Any Exam. Any Time." - www.actualtests.com 55
CompTIA XK0-002: Practice Exam

Correct Answer: D

Section: (none)

Explanation

QUESTION 3

Which of the following files sets the default time zone used by the date command?

- A. /etc/timezone
- B. /etc/default_time
- C. /etc/localtime
- D. /etc/defaults/date

Correct Answer: C

Section: (none)

Explanation

QUESTION 4

A Linux administrator has decided to remove a software package called exim.rpm. Which of the following commands could be used to uninstall the software?

- A. rpm --uninstall exim
- B. rm -r exim
- C. uninstall exim
- D. rpm --erase exim

Correct Answer: D

Section: (none)

Explanation

QUESTION 5

A user has a cron job that clears print queues at midnight each day. The cron job has run correctly ActualTests.com for several months; however the job apparently did not run the night before. Which of the following should be done FIRST to resolve the problem?

- A. Check the user's cron job for syntax errors and correct as needed.
- B. Check to make sure the printer is connected to the server and powered on.
- C. Check the process list for an instance of crond running.
- D. Check to make sure the user was properly logged into the network the night before.

Correct Answer: C

Section: (none)

Explanation

QUESTION 6

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CompTIA XK0-002: Practice Exam

Which of the following is an IDS (Intrusion Detection System)?

- A. Snort
- B. SSH (Secure Shell)
- C. ethereal
- D. openssl

Correct Answer: A

Section: (none)

Explanation

QUESTION 7

A Linux system will not boot, even in single-user mode, but hard drive diagnostics indicate that the drive is working properly. Which of the following should be done to repair the file system?

- A. Use a bootable Linux medium to boot into Linux and run fdisk.
- B. Use a bootable Linux medium to boot into Linux and run fsck.
- C. Reinstall Linux from the original install drive and apply all patches.
- D. Use the custom tool provided by the hard drive manufacturer.

Correct Answer: B

Section: (none)

Explanation

QUESTION 8

A user who has a file open in vi wants to search for the next occurrence of the word 'coexistence'. Which of the following commands will accomplish this from within the editor's command mode?

- A. :s/coexistence

- B. -- find_forward coexistence
- C. :f coexistence
ActualTests.com
- D. /coexistence

Correct Answer: D

Section: (none)

Explanation

QUESTION 9

An administrator wants to temporarily disable the eth0 network interface on a server. Which of the following commands will accomplish this?

- A. ifconfig disable
- B. ifconfig eth0 disable
- C. ifconfig eth0 down
"Pass Any Exam. Any Time." - www.actualtests.com 57
CompTIA XK0-002: Practice Exam
- D. ifconfig eth0 off

Correct Answer: C

Section: (none)

Explanation

QUESTION 10

After a power outage, a Linux machine reboots but fails to mount all of its file systems. The file systems are unable to be mounted manually. Which of the following should be done FIRST?

- A. Reboot to runlevel 6.
- B. Run fsck on each file system and try to mount again.
- C. Reinstall the operating system.
- D. Edit /etc/fstab and correct any problems identified.

Correct Answer: B

Section: (none)

Explanation

QUESTION 11

The administrator must change the IP address of the server to 192.168.5.4/26. Which of the following is the correct representation of the subnet mask?

- A. 192.168.5.255
- B. 255.255.255.0
- C. 192.168.5.0
- D. 255.255.255.192

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 12

If the IP address of a host on the network is known, which of the following commands can be used to find the MAC address of that host?

- A. dig
- B. arp
- C. traceroute
- D. nslookup

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 58
CompTIA XK0-002: Practice Exam

QUESTION 13

On a dual-boot system, which of the following file systems would be accessible from both Windows and Linux operating systems?

- A. reiserfs
- B. vfat
- C. ufs
- D. xfs

Correct Answer: B

Section: (none)

Explanation

QUESTION 14

A Linux system administrator needs to edit the quotas for a user. Which of the following commands can be used to do this?

- A. quota -e user
- B. edquota user
- C. vi /~user/.quota
- D. vi /quota.user

Correct Answer: B

Section: (none)

Explanation

QUESTION 15

Using the BASH shell, which of the following commands will set number of entries in the command history to 1000?

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- A. alias HISTORY=1000
- B. export HISTSIZE=1000
- C. setenv HSIZE=1000

D. set NEWSIZE=1000

Correct Answer: B

Section: (none)

Explanation

QUESTION 16

Which of the following files contains the key or keys required to login using SSH (Secure Shell) without a password?

- A. .ssh/trusted_keys
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CompTIA XK0-002: Practice Exam
- B. .ssh/authorized_keys
- C. .ssh/allowed_keys
- D. .ssh/known_keys

Correct Answer: B

Section: (none)

Explanation

QUESTION 17

A superuser wants to transform the following permission set from -rw-r--r-- 1 root root 4096 Apr 20 17:40 filename

to

-rwx-w---- 1 root root 4096 Apr 20 17:40 filename

Which of the following commands will accomplish this?

- A. chown 720 filename
- B. chmod u+x,g-w-r,o-r filename
- C. chmod u+x,g+w-r,o-r filename
- D. chmod 710 filename

Correct Answer: C

Section: (none)

Explanation

QUESTION 18

What does enabling the "dead keys" option during installation do?

- A. It enables application shortcut keys.
- B. It provides the ability to create special characters.
- C. It disables the function keys.
ActualTests.com
- D. It disables unused keys based on the language option selected.

Correct Answer: B

Section: (none)

Explanation

QUESTION 19

A new RPM package returns a large number of errors and has never run successfully. Which of the following commands should be run as a FIRST step to troubleshooting this problem?

- A. `verify <package_name>`
- B. `rpmdb -v <installation_file>`
- C. `diff --rpm <package_name> <installation_file>`
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CompTIA XK0-002: Practice Exam
- D. `rpm -V <package_name>`

Correct Answer: D

Section: (none)

Explanation

QUESTION 20

Which of the following modules is the first to load to provide any USB functionality?

- A. `usb-storage`
- B. `usbcore`
- C. `usb-ohci`
- D. `usbmain`

Correct Answer: B

Section: (none)

Explanation

QUESTION 21

The system administrator wants to create a list of all of the RPM packages installed on a server in alphabetical order. Which of the following is a quick and easy way to do this?

- A. `rpm -qa %-1,[A-Z]% > rpmlist.text`
- B. `rpmdb --dump rpmlist.text`
- C. `rpm -q --dump rpmlist.text`
- D. `rpm -q -a | sort > rpmlist.text`

Correct Answer: D

Section: (none)

Explanation

QUESTION 22

ActualTests.com

Which of the following is a popular open source tool that is used for vulnerability assessment?

- A. `nslookup`
- B. `nessus`
- C. `dig`
- D. `slocate`

Correct Answer: B

Section: (none)

Explanation

QUESTION 23

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CompTIA XK0-002: Practice Exam

Which of the following commands will create the directory /home/gawd/tools/security regardless of the existence of its parent directories?

- A. mkdir -m /home/gawd/tools/security
- B. mkdir --makepath /home/gawd/tools/security
- C. mkdir -p /home/gawd/tools/security
- D. md -m /home/gawd/tools/security

Correct Answer: C

Section: (none)

Explanation

QUESTION 24

A workstation user is unable to mount a CD-ROM drive. Which of the following commands can be used to confirm the operating system recognizes the drive?

- A. dmesg | grep CD
- B. cat mtab | grep cdrom
- C. find cdrom
- D. cat fstab | grep CD

Correct Answer: A

Section: (none)

Explanation

QUESTION 25

Which of the following syslog keywords has the highest priority?

- A. emerg
- B. crit
- C. err
ActualTests.com
- D. alert

Correct Answer: A

Section: (none)

Explanation

QUESTION 26

Which is the correct way to define a default route to 10.10.10.1 for a Linux host?

- A. ifconfig eth0 defaultgw 10.10.10.1
- B. ifconfig default_route=10.10.10.1
- C. route default add gateway=10.10.10.1
- D. route add default gw 10.10.10.1

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CompTIA XK0-002: Practice Exam

Correct Answer: D
Section: (none)
Explanation

QUESTION 27

A Linux technician is installing a new SCSI tape drive. Which of the following is the default ID on a SCSI controller card?

- A. 7
- B. 16
- C. 11
- D. 1

Correct Answer: A
Section: (none)
Explanation

QUESTION 28

Which of the following commands could be used to display all recognized drives and all existing partitions?

- A. fdisk -l
- B. showdrives
- C. ls /dev/disks/*
- D. cat /proc/disks

Correct Answer: A
Section: (none)
Explanation

QUESTION 29

ActualTests.com

The IDS (Intrusion Detection System) reports many events that are not security incidents. Which of the following is the term for these types of events?

- A. False positives
- B. True negatives
- C. False negatives
- D. True positives

Correct Answer: A
Section: (none)
Explanation

QUESTION 30

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CompTIA XK0-002: Practice Exam

Which of the following commands will allow a Linux administrator to view waiting print jobs for all printers?

- A. printq -a

- B. `lpq -A`
- C. `printq -A`
- D. `lpq -a`

Correct Answer: D

Section: (none)

Explanation

QUESTION 31

A Linux administrator converted the root file system from ext2 to ext3, but neglected to update `/etc/fstab`. Which of the following will happen the next time the system boots?

- A. The root file system will be corrupted.
- B. The kernel will halt mounting the root file system.
- C. The file system will be automatically detected as ext3.
- D. The system will boot as normal, except journaling will be disabled.

Correct Answer: D

Section: (none)

Explanation

QUESTION 32

A production Web server is experiencing an unusually large amount of new incoming TCP connections. Which of the following is MOST likely the problem?

- A. NIC malfunction
- B. DoS (Denial of Service)
ActualTests.com
- C. Virus
- D. Too many users

Correct Answer: B

Section: (none)

Explanation

QUESTION 33

An administrator needs to add support for PERL to Apache for the company's Website. The administrator wants to do this by adding `perl_module` to the Apache configuration. How can this be done?

- A. Run `http -lm perl_module` from the command line.
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CompTIA XK0-002: Practice Exam
- B. Run `httpd --module perl_module` from the command line.
- C. Remove the `#` from `#LoadModule perl_module libexec/httpd/libssl.so` in `httpd.conf` file.
- D. Remove the `#` from `#AddModule perl_module libexec/httpd/libssl.so` in `httpd.conf` file.

Correct Answer: C

Section: (none)

Explanation

QUESTION 34

A Linux server has been configured as a gateway to allow local LAN access to the Internet. Users can ping the gateway address but cannot access the Internet. After further troubleshooting, it has been determined that IP forwarding is not enabled on the Linux server. Which of the following commands will enable routing?

- A. `route add IP_FORWARD eth0`
- B. `echo "1" > /proc/sys/net/ipv4/ip_forward`
- C. `sysctl -n net.ipv4.conf.eth0.forwarding = 1`
- D. `sysctl -a net.ipv4.conf.forwarding = 1`

Correct Answer: B

Section: (none)

Explanation

QUESTION 35

A network problem occurs somewhere between a Linux PC and a remote Website. Which of the following commands will help locate the point of failure?

- A. `netstat`
 - B. `netview`
 - C. `traceroute`
 - D. `pathping`
- ActualTests.com

Correct Answer: C

Section: (none)

Explanation

QUESTION 36

How can an administrator prevent `/etc/hosts` from overriding DNS resolution?

- A. Use a higher serial number in the DNS zone file.
 - B. Move the NIS entry beneath the DNS entries in `/etc/resolv.conf`.
 - C. Use a firewall to close the port used by "hosts".
 - D. Change the order in which DNS and hosts are used by editing `/etc/nsswitch.conf`.
- "Pass Any Exam. Any Time." - www.actualtests.com 65
CompTIA XK0-002: Practice Exam

Correct Answer: D

Section: (none)

Explanation

QUESTION 37

When using `fdisk` and a partition type of 85 is selected, which kind of partition will be created?

- A. linux extended
- B. linux native
- C. reiserfs
- D. swap

Correct Answer: A

Section: (none)

Explanation

QUESTION 38

Which of the following commands will locate files that have been modified in the past two days?

- A. locate -t2
- B. grep / -ctime 2
- C. find / -mtime 2
- D. whereis -time 2

Correct Answer: C

Section: (none)

Explanation

QUESTION 39

The company wants to have its laptops perform a clean shutdown of the Linux operating system when the power button is pressed. Which of the following modules must be installed to accomplish ActualTests.com this?

- A. APM (Advanced Power Management)
- B. ACPI (Advanced Control and Power Interface)
- C. i2c-core
- D. power

Correct Answer: B

Section: (none)

Explanation

QUESTION 40

A system administrator inherits a Linux system with a 2.2 kernel. After upgrading to a 2.4 kernel, the ipchains commands no longer function. Which of the following is the likely cause?

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CompTIA XK0-002: Practice Exam

- A. The 2.4 kernel does not support ipchains
- B. The new kernel was not compiled with ipchains support
- C. The old ipchains module needs to be loaded
- D. The ipchains package needs to be upgraded

Correct Answer: B

Section: (none)

Explanation

QUESTION 41

Once a Linux Installation Disk image has been downloaded, which of the following is the next step?

- A. Run chkdsk on the .iso system image
- B. Run /sbin/verify_iso
- C. Verify the checksum match for the .iso
- D. Check the file size to ensure the file is uncorrupted

Correct Answer: C
Section: (none)
Explanation

QUESTION 42

When the command 'gcc' is run in a newly created directory, the system returns the error:
command not found

After confirming gcc is installed on the system, which environmental variable must be modified to correct this problem?

- A. \$EXECUTABLES
- B. \$DISPLAY
ActualTests.com
- C. \$PATH
- D. \$PROMPT

Correct Answer: C
Section: (none)
Explanation

QUESTION 43

A new shell command generates too much output to read on the screen and does not write to a log file. Which of the following would capture the output for evaluation?

- A. Pipe the output to the cat command
- B. Reduce LOG_LEVEL=6 in /etc/syslog.conf to a lower number "Pass Any Exam. Any Time." -
www.actualtests.com 67
CompTIA XK0-002: Practice Exam
- C. Use the > command on the command line
- D. Run the command as a daemon

Correct Answer: C
Section: (none)
Explanation

QUESTION 44

Which of the following is the default permission of /tmp?

- A. 1755
- B. 0222
- C. 1777
- D. 0755

Correct Answer: C
Section: (none)
Explanation

QUESTION 45

Which of the following BASH shell built-in commands can be used to apply a CPU time limit of 90 seconds on the current shell session?

- A. `setlimit -t 90`
- B. `echo 90 >/proc/me/limits/time`
- C. `limits -t 90`
- D. `ulimit -t 90`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 46

Which of the following group-level permissions is needed to create user accounts?

- A. ntadmin
- B. adm
- C. nobody
- D. root

Correct Answer: D

Section: (none)

Explanation

QUESTION 47

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CompTIA XK0-002: Practice Exam

A Linux server is configured as a router, but the administrator notices that packets are no longer being routed. Which of the following should the administrator run on the server to verify routing functionality?

- A. `cat /proc/self/status`
- B. `/etc/rc.d/network status`
- C. `/etc/rc.d/squid status`
- D. `cat /proc/sys/net/ipv4/ip_forward`

Correct Answer: D

Section: (none)

Explanation

QUESTION 48

A technician needs to extract the entire archive 'backup.tar.bz2'. Which of the following commands will accomplish this?

- A. `tar xZa backup.tar.bz2`
- B. `tar x --bz2 backup.tar.bz2`
- C. `tar xjf backup.tar.bz2`
- D. `tar xbf backup.tar.bz2`

Correct Answer: C

Section: (none)

Explanation

QUESTION 49

When the command `mke2fs -j` is run, what type of file system is created?

- A. ext3
- B. xfs
ActualTests.com
- C. jfs
- D. ext2

Correct Answer: A

Section: (none)

Explanation

QUESTION 50

Which of the following commands can be used to confirm checksums on the Samba package?

- A. `rpm -v samba.rpm`
- B. `rpm -i samba.rpm`
- C. `rpm -V samba.rpm`
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CompTIA XK0-002: Practice Exam
- D. `rpm -c samba.rpm`

Correct Answer: C

Section: (none)

Explanation

QUESTION 51

Which of the following commands could be used to set the number of days a user can maintain the same password?

- A. `uname`
- B. `chfn`
- C. `usermod`
- D. `chpasswd`

Correct Answer: C

Section: (none)

Explanation

QUESTION 52

Which of the following commands can be used to hide the file "help.new"?

- A. `attrib -h help.new`
- B. `mv help.new .help.new`
- C. `cp help.new .help.new`
- D. `chmod 4000 help.new`

Correct Answer: B

Section: (none)

Explanation

QUESTION 53

ActualTests.com

Which of the following commands enables a user to make a newly-created shell script executable by only its owner?

- A. `chmod u+x <filename>`
- B. `chown 755 <filename>`
- C. `./<filename>`
- D. `./configure <filename>`

Correct Answer: A

Section: (none)

Explanation

QUESTION 54

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The root user types `echo $PATH` and sees the following output:

```
./bin:/usr/bin:/sbin:/usr/X11R6/bin:/usr/src
```

Which of the following parts of this path is considered to be a security risk?

- A. `.`
- B. `/usr/src`
- C. `/sbin`
- D. `/usr/X11R6/bin`

Correct Answer: A

Section: (none)

Explanation

QUESTION 55

In addition to selected packages and partition maps, which of the following should also be documented during a Linux server installation?

- A. System hardware and daemon configuration
- B. Root password and performance baseline
- C. Daemon configuration and performance baseline
- D. System hardware and user passwords

Correct Answer: A

Section: (none)

Explanation

QUESTION 56

A user wants to remotely connect to a Linux system to transfer files from an overseas IP address. Which of the following programs allows the user to do this securely?

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- A. ftp
- B. sftp
- C. rcp
- D. telnet

Correct Answer: B

Section: (none)

Explanation

QUESTION 57

Which of the following commands will allow a system administrator to determine which users have attempted to logon but failed?

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- A. last
- B. cat /var/log/btmp
- C. lastb
- D. cat /var/log/wtmp

Correct Answer: C

Section: (none)

Explanation

QUESTION 58

When a user runs `ls -l` the following output is displayed:
`drwxrwxrwt 3 john1 users2 4096 Aug 06 13:42 research`

Who has permission to delete files in this directory?

- A. Only root and file owner
- B. Only root, file owner, and group owner
- C. All users
- D. Only root and group owner

Correct Answer: A

Section: (none)

Explanation

QUESTION 59

In which subdirectory of the Apache root should scripts be placed?

- A. cgi-bin
 - B. bin
 - C. htdocs
 - D. htbin
- ActualTests.com

Correct Answer: A

Section: (none)

Explanation

QUESTION 60

After a printer is removed from a Linux workstation, which of the following commands can be used to restart the printing module?

- A. cups restart
- B. /etc/init.d/lp restart
- C. lp restart
- D. /etc/init.d/cups restart

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Correct Answer: D

Section: (none)

Explanation

QUESTION 61

A user who has a file open in vi wants to search for the next occurrence of the word 'coexistence'. Which of the following commands will accomplish this from within the editor's command mode?

- A. :s/coexistence
- B. -- find_forward coexistence
- C. :f coexistence
ActualTests.com
- D. /coexistence

Correct Answer: D

Section: (none)

Explanation

QUESTION 62

Which of the following commands could be used to convert the ext2 file system on /dev/hda2 to use the ext3 file system?

- A. mkfs -t ext3 -j /dev/hda2
- B. e2label -t ext3 /dev/hda2
- C. tune2fs -j /dev/hda2
- D. e2image -j /dev/hda2

Correct Answer: C

Section: (none)

Explanation

QUESTION 63

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A customer requires that the following packages be installed on a server:

quota
raidtools
Samba

Amanda
yp-serv

For which of the following purposes is this server MOST likely to be used?

- A. Streaming media server
- B. Firewall
- C. File server
- D. Database server

Correct Answer: C

Section: (none)

Explanation

QUESTION 64

The system administrator wishes to view vmstat output once every 10 seconds for the next minute. Which of the following commands accomplishes this?

- A. vmstat --time='1 min' 10
- B. vmstat 10 6
- C. vmstat -10 -1min
- D. vmstat 10; sleep 60

Correct Answer: B

Section: (none)

Explanation

QUESTION 65

ActualTests.com

A Linux system is configured with a RAID 5 array consisting of six 20GB hard drives. How much usable storage space is available?

- A. 100
- B. 120
- C. 80
- D. 50

Correct Answer: A

Section: (none)

Explanation

QUESTION 66

A systems administrator has recently downloaded a network analysis tool from an FTP repository. After installation of the tool, suspicious behavior is noted. How can it be verified that the package has not been altered?

- A. Boot the system from a live CD distribution and run the fsck tool on the partition where the package is installed.
- B. Download the MD5 hash file from the original FTP site and compare it against the MD5 hash generated from the downloaded file.
- C. Uninstall the application and re-install it while in single user mode and carefully watch the install logs for suspicious activity.

- D. Download the MD5 hash file from the original software developer's website and compare it against the MD5 hash generated from the downloaded file.
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CompTIA XK0-002: Practice Exam

Correct Answer: D

Section: (none)

Explanation

QUESTION 67

A production Web server is experiencing an unusually large amount of new incoming TCP connections. Which of the following is MOST likely the problem?

- A. NIC malfunction
- B. DoS (Denial of Service)
ActualTests.com
- C. Virus
- D. Too many users

Correct Answer: B

Section: (none)

Explanation

Exam E

QUESTION 1

Which of the following are the default permissions for a symbolic link file?

- A. Same as the target file
- B. Full access to everyone
- C. Full access to the owner only
- D. Full access to root only

Correct Answer: B

Section: (none)

Explanation

QUESTION 2

Which of the following is a valid command to format a partition as Reiser FS?

- A. mkfs /dev/hda6
- B. mkfs -reiserfs /dev/hda6
- C. mkfs.reiserfs /dev/hda6
- D. reiserfs /dev/hda6

Correct Answer: C

Section: (none)

Explanation

QUESTION 3

Which of the following runlevels is generally used to ensure the Linux server will boot into full multi-user mode without starting X Windows?

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- A. 6
- B. 0
- C. 3
- D. 5

Correct Answer: C

Section: (none)

Explanation

QUESTION 4

Which of the following will happen when the following command is run? `userdel johnd`

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- A. The user johnd is removed from the system and all data in the home directory is moved to the `/home/deletedusers` directory.
- B. The user johnd is removed from the system, deleting all of the data in his home directory.
- C. The user johnd is removed from the system while keeping all of the data in his home directory.
- D. The user johnd is removed from the system and all of his data is moved to the `/var/archive` directory.

Correct Answer: C

Section: (none)

Explanation

QUESTION 5

A Linux server is to be used as a Web server. Which of the following is the BEST way to configure its Ethernet adapter?

- A. Use an IP alias.
- B. Configure the DHCP Server.
- C. Configure the DHCP Client.
- D. Use a static IP address.

Correct Answer: D

Section: (none)

Explanation

QUESTION 6

Review the following Samba configuration file entry:

```
[global]
workgroup = NT-FAKERS
netbios name = DUDE
ActualTests.com
security = share
browseable = yes
```

```
[public]
guest ok = yes
writeable = yes
security = share
browseable = yes path = /export/public
```

Which of the following lines allows the user to access the public share on this server without authentication?

- A. security = share
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CompTIA XK0-002: Practice Exam
- B. browseable = yes
- C. guest ok = yes
- D. writeable = yes

Correct Answer: C

Section: (none)

Explanation

QUESTION 7

Which of the following is the BEST security practice for compiling the package from the source?

- A. Compile as root and install as a normal user.
- B. Compile as a normal user and install as root.
- C. Compile and install the package as a normal user.
- D. Compile and install the package as root.

Correct Answer: B
Section: (none)
Explanation

QUESTION 8

A user who is installing Linux inserts the install CD-ROM and then reboots the computer. However, the computer boots into Windows. Which of the following MOST likely caused the problem?

- A. The user needs to install a Windows driver.
- B. The computer BIOS has the wrong boot order.
- C. The hard drive does not support Linux.
- D. The MD5 sum is erroneous.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
ActualTests.com



<http://www.gratisexam.com/>

QUESTION 9

A user has added a PCMCIA wireless network card to a Linux laptop. The network services fail on boot. After boot, if they are restarted by hand, network services load properly. Which of the following could solve the problem?

- A. Reconfigure the wireless access point to access Linux connections.
- B. Reinstall the wireless network card drivers on the system.
- C. Check the order of execution of services in the boot scripts.
- D. Check that the PCMCIA ports are enabled in the BIOS.

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Correct Answer: C
Section: (none)
Explanation

QUESTION 10

Which of the following commands is used to check the status of a software RAID?

- A. mkraid --verify
- B. cat /proc/ide/raid
- C. mkraid --status
- D. cat /proc/mdstat

Correct Answer: D

Section: (none)

Explanation

QUESTION 11

Which of the following commands is used to check the current iptables configuration?

- A. iptables -n -L
- B. iptables -LFZ
- C. iptables -A -D -C
- D. iptables natadd

Correct Answer: A

Section: (none)

Explanation

QUESTION 12

Which of the following is the function of the ARP (Address Resolution Protocol)?

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- A. It maps a MAC address to a hostname.
- B. It maps an IP address to a MAC address.
- C. It maps a MAC address to an IP address.
- D. It maps a hostname to a MAC address.

Correct Answer: B

Section: (none)

Explanation

QUESTION 13

Which of the following allows for secure remote command line access?

- A. SSH (Secure Shell)
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CompTIA XK0-002: Practice Exam
- B. SSL
- C. Rlogin
- D. Telnet

Correct Answer: A

Section: (none)

Explanation

QUESTION 14

Which of the following is the function of the chroot command?

- A. Change the root login name.
- B. Change the root application.
- C. Change the root password.
- D. Change the root directory for the shell.

Correct Answer: D
Section: (none)
Explanation

QUESTION 15

The output of an "ls -la" is the following:

```
-rw-r-xrwx 5 root root 4096 Apr 20 10:03 file.txt
```

How many hard links have been created to this file?

- A. 6
- B. 0
- C. 5
- D. 4

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Correct Answer: D
Section: (none)
Explanation

QUESTION 16

A Linux user has a file named ackup.tar. How can the detailed file information in the file be viewed without extracting the contents?

- A. tar tf backup.tar
- B. tar lf backup.tar
- C. tar lvf backup.tar
- D. tar tvf backup.tar

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CompTIA XK0-002: Practice Exam

Correct Answer: D
Section: (none)
Explanation

QUESTION 17

A mid-sized technology firm wants a dedicated machine to analyze data from previous client projects. Which of the following server packages would MOST likely be installed?

- A. MySQL
- B. KDE
- C. LDAP (Lightweight Directory Access Protocol)
- D. PHP

Correct Answer: A
Section: (none)
Explanation

QUESTION 18

A new router is installed to share the Internet connection for all users on the LAN (Local Area Network). The router has an IP address of 10.1.1.1 on the LAN-side interface. Which of the following commands on the client

allows Internet access on the Linux workstations?

- A. route change gateway 10.1.1.1
- B. route add default gw 10.1.1.1
- C. ifconfig eth0 gateway 10.1.1.1
- D. ifconfig eth0 dstaddr 10.1.1.1

Correct Answer: B

Section: (none)

Explanation

QUESTION 19

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Which of the following commands can be used to gather information about the CPU found during boot?

- A. cat /var/log/messages | grep CPU
- B. find /var/log/dmesg | grep CPU
- C. dmesg | grep CPU
- D. cat /proc/cpuinfo | grep CPU

Correct Answer: C

Section: (none)

Explanation

QUESTION 20

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CompTIA XK0-002: Practice Exam

Which of the following commands is used to rebuild the man page database used by the hatis command?

- A. man --rebuilddb
- B. makewhatis
- C. whatis -r
- D. man -k

Correct Answer: B

Section: (none)

Explanation

QUESTION 21

Examine the following /etc/passwd file:

```
root:X:11423:0:99999:7:::  
dgringold:X:11423:0:99999:7:::  
jjones:!!:11432:0:99999:7::11688:  
tgold:!!:11342:11231:11678:7:::
```

Which of the following is the password field?

- A. The third field
- B. The fourth field
- C. The first field

D. The second field

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 22

Which of the following modules is a dependency module for PCMCIA card services?

- A. tulip
- B. yenta_socket
- C. parport_pc
- D. hid

Correct Answer: B

Section: (none)

Explanation

QUESTION 23

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CompTIA XK0-002: Practice Exam

How could a user arrange for a command to be run daily at a certain time on a Linux system, using the cron service?

- A. Create a file to specify the schedule, and use crontab to install the file.
- B. Use a text editor to create a file in /var/cron that specifies the schedule.
- C. Edit /etc/periodic/cron.daily
- D. Specify the schedule using entries in a file at /etc/cron.conf

Correct Answer: A

Section: (none)

Explanation

QUESTION 24

After installing or updating a dynamically linked library, the technician needs to reload /etc/ld.so.conf and refresh the dynamic linker's cache so new programs that need the new library can run. Which of the following programs should be run?

- A. ldupdate
- B. kill -HUP 1
- C. ld --reload
- D. ldconfig

Correct Answer: D

Section: (none)

Explanation

QUESTION 25

When BASH is invoked as an interactive login shell, in which of the following sequences are the scripts

sourced?

- A. ~/.bash_profile, ~/.bash_login, ~/.profile, /etc/profile ActualTests.com
- B. ~/.bash_login, ~/.bash_profile, /etc/profile, ~/.profile
- C. /etc/profile, ~/.bash_profile, ~/.bash_login, ~/.profile
- D. /etc/profile, ~/.profile, ~/.bash_login, ~/.bash_profile

Correct Answer: C

Section: (none)

Explanation

QUESTION 26

Company security policy requires that all authentication errors be logged to a printed hard copy. Which of the following entries in /etc/syslog.conf would BEST accomplish this?

- A. auth.err | lpr
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CompTIA XK0-002: Practice Exam
- B. auth.err +/dev/lp0
- C. auth.err -/var/log/auth -lpr
- D. auth.err -print

Correct Answer: A

Section: (none)

Explanation

QUESTION 27

Which of the following describes the contents of the file etc/ftpusers?

- A. Hosts that may not connect through FTP
- B. Users that may not log in using FTP
- C. Users that may log in using FTP
- D. Hosts that may connect through FTP

Correct Answer: B

Section: (none)

Explanation

QUESTION 28

When a login shell exits, BASH reads and executes commands from which of the following files?

- A. ~/.logoff_shell
- B. ~/.logoff_now
- C. ~/.bash_logout
- D. ~/.bash_exit

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 29

A company's mail server is unable to send mail to the domain comptia.org. Which of the following commands might help determine if their DNS records are correct?

- A. dig -t ms comptia.org
- B. mailtest comptia.org
- C. dig comptia.org
- D. dig -t mx comptia.org

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 81
CompTIA XK0-002: Practice Exam

QUESTION 30

The system administrator notices the following file in a user's home directory:

```
-rwsr-xr-x 1 root user1 628684 Jun 13 09:38 ksh
```

Which of the following does this file indicate?

- A. The system has been compromised.
- B. Only root has shared access for ksh.
- C. ksh was inadvertently installed in user's directory.
- D. The ksh service needs to be restarted.

Correct Answer: A

Section: (none)

Explanation

QUESTION 31

A technician needs to create a diskette to transfer data from a Linux server to a Windows 2000 server. The diskette is unformatted. Which of the following commands should be used to prepare the diskette for writing?

- A. mount /dev/fd0 /mnt/floppy mkfs -t msdos /dev/fd0
- B. mkfs -t ext2 /dev/fd0 mount /dev/fd0 /mnt/floppy
- C. mount /dev/fd0 /mnt/floppy mkdosfs /dev/fd0
- D. mkdosfs /dev/fd0 mount -t msdos /dev/fd0 /mnt/floppy

Correct Answer: D

Section: (none)

Explanation

QUESTION 32

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Which of the following command lines can be used to show a map of the current process hierarchy, including information about userid transition points?

- A. ps --map -u
- B. pstree -u

- C. top --map -u
- D. psgraph -u

Correct Answer: B

Section: (none)

Explanation

QUESTION 33

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At boot time, the computer reported that there are problems with inodes and blocks. Which of the following is the problem and how is it corrected?

- A. The boot sector is corrupt and needs to be replaced.
- B. The partition table has become corrupt and needs to be repaired.
- C. The file system has become corrupt and needs to be repaired.
- D. The drive is configured using an improper file system and needs to be reformatted.

Correct Answer: C

Section: (none)

Explanation

QUESTION 34

An administrator needs to add a new application to an existing Linux machine. The application is available in source code and distributed in a file called "application.tar.gz". After extracting the file, which of the following is the next step in installing the application?

- A. run configure, make, make install
- B. run apt-get
- C. move the extracted directory to /usr/local/application
- D. run rpm

Correct Answer: A

Section: (none)

Explanation

QUESTION 35

A system administrator of a 200-server network wants to simplify routine monitoring of log files on each server. Which of the following is considered the BEST practice method to do this?

- A. Create a script on each server to analyze each of the log files on the server and forward ActualTests.com important information to the administrator's workstation.
- B. Create a script on the administrator's workstation to attach to each server and copy its log files to the local drive.
- C. Create a new server called 'loghost'. Modify the syslog.conf file on each server so log files are forwarded to 'loghost'.
- D. Run logcp at each server. Specify the administrator's workstation as the destination and "*" for which log files to forward.

Correct Answer: C

Section: (none)

Explanation

QUESTION 36

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Which of the following encryption schemes is the LEAST secure?

- A. DES
- B. Blowfish
- C. AES
- D. MD5

Correct Answer: A

Section: (none)

Explanation

QUESTION 37

No users can connect via SSH (Secure Shell). The SSH daemon is confirmed to be running. Which of the following configuration files may need to be edited to permit logins?

- A. /etc/passwd
- B. /etc/xinetd.conf
- C. pam_deny.so
- D. sshd_config

Correct Answer: D

Section: (none)

Explanation

QUESTION 38

Which of the following is a reversible encryption standard?

- A. MD4
 - B. SHA
 - C. AES
 - D. MD5
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Correct Answer: C

Section: (none)

Explanation

QUESTION 39

The named service needs to be secured. Which of the following would BEST accomplish this?

- A. Run named in a chroot jail.
- B. Run named in UDP mode only.
- C. Run named on a non-standard port.
- D. Run named as root.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 40

A technician is installing hardware in a Linux system that is not supported by the current kernel. The Linux distribution does not provide any updates. Where should the user obtain a newer kernel?

- A. The kernel.org Website
- B. The SourceForge Website
- C. The gnu.org Website
- D. The hardware manufacturer's Website

Correct Answer: A

Section: (none)

Explanation

QUESTION 41

Using octal permissions, how would a user modify the file test.txt to have the following access privileges?

-rwxr----- 1 user1 staff 0 8 May 11:45 test.txt

- A. chmod 740 test.txt
- B. chmod 047 test.txt
- C. chmod 013 test.txt
- D. chmod 310 test.txt

Correct Answer: A

Section: (none)

Explanation

QUESTION 42

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When a USB memory stick is used on a Linux server, which of the following device files would likely be used to access it?

- A. /dev/sda
- B. /dev/usb/lun0
- C. /dev/usb/lp1
- D. /dev/ram0

Correct Answer: A

Section: (none)

Explanation

QUESTION 43

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Users are unable to print to a remote printer on a Linux server. The technician determines that all of the users and machines have the right to print to the server. The permissions on the printer's spool directory are set to

allow access to all users. Users can print to other printers on the server.
Which of the following is MOST likely the problem?

- A. Root does not have read permission on the print filter.
- B. The SUID bit on this printer's spool directory is not set.
- C. Users do not have execute permission on the print filter.
- D. The /etc/printcap file is missing.

Correct Answer: B

Section: (none)

Explanation

QUESTION 44

Which backup type only copies files that have changed since the previous backup?

- A. Full
- B. Modular
- C. Incremental
- D. Partial

Correct Answer: C

Section: (none)

Explanation

QUESTION 45

Which of the following files is used to specify drives to be mounted on boot?

- A. nfs
- B. inet.d
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- C. fstab
- D. mtab

Correct Answer: C

Section: (none)

Explanation

QUESTION 46

Which of the following commands will recursively search through all subdirectories from the current directory for files owned by the root user?

- A. grep -u root .
- B. find . -uid 0
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CompTIA XK0-002: Practice Exam
- C. grep -r root .
- D. find . -uname root

Correct Answer: B

Section: (none)

Explanation

QUESTION 47

A system report indicates that /var is full. Which of the following is the MOST likely resolution to the problem?

- A. Remove unnecessary applications that may be using too much disk space.
- B. Increase the allowable size of swap file.
- C. Truncate the log files.
- D. Ensure that users have not exceeded disk quota.

Correct Answer: C

Section: (none)

Explanation

QUESTION 48

Which of the following commands can be used to check for file corruption?

- A. md5sum
- B. cat -vet
- C. checkfile
- D. tar --checksum

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 49

A Linux user wants to create a hard link named ile2 in the current directory that points to /usr/var/file. Which of the following commands can be used?

- A. ln -h file2 /usr/var/file
- B. ln file2 /usr/var/file
- C. ln -h /usr/var/file file2
- D. ln /usr/var/file file2

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 87

CompTIA XK0-002: Practice Exam

QUESTION 50

How would an administrator ensure that the command /usr/local/radius/starttrad.pl was executed after each reboot?

- A. Place the command in the /etc/sysconfig/startup.cfg file.
- B. Place the command in the /etc/rc.local file.
- C. Place the command in the /etc/rc.boot file.
- D. Copy the command to the /boot directory.

Correct Answer: B
Section: (none)
Explanation

QUESTION 51

Which of the following commands allows an administrator to add an existing user's phone number to the system as a comment?

- A. useradd -u bsmith -c 555-1234
- B. usermod -c 555-1234 bsmith
- C. modinfo -u bsmith 555-1234
- D. groupadd -u bsmith -c 555-1234

Correct Answer: B
Section: (none)
Explanation

QUESTION 52

After an upgrade of Apache, Web pages are no longer available and are replaced with a default page. Which of the following files should be edited or replaced to correct the problem?

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- A. httpd.conf
- B. /etc/services
- C. xinetd.conf
- D. srm.conf

Correct Answer: A
Section: (none)
Explanation

QUESTION 53

A system is running slowly and the administrator wants to find the process that is using the MOST resources. Which of the following will accomplish this?

- A. Use `top` to list processes ranked by CPU utilization.
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CompTIA XK0-002: Practice Exam
- B. Use `obs` to list CPU-intensive processes in order.
- C. Use `is free` to list processes with the highest foreground priority.
- D. Use `ice -l -n 1` to list the process with highest CPU utilization.

Correct Answer: A
Section: (none)
Explanation

QUESTION 54

Six Linux servers share a tape library in a different room located 80 meters away. Which of the following technologies would allow these servers to connect directly to the tape library?

- A. IEEE-1394

- B. Single-Ended SCSI
- C. Differential SCSI
- D. Fibre Channel

Correct Answer: D

Section: (none)

Explanation

QUESTION 55

The administrator suspects the system has been compromised and runs the ps command:

```
615 ? Ss 0:00 /usr/sbin/sshd
624 ? Ss 0:00 /usr/bin/X11/xfs -daemon
707 ? Ss 0:00 /usr/sbin/cron
709 ? Ss 0:00 /usr/sbin/httpd
775 ? Ss 0:00 /usr/bin/X11/xdm
776 tty1 Ss+ 0:00 /sbin/getty 38400 tty1
```

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Which of the following should be investigated?

- A. The httpd program is not normally in /usr/sbin.
- B. The xfs process should not be run in daemon modes.
- C. The cron process should have a lower PID (Process ID).
- D. The getty program should not run with 38400 baud.

Correct Answer: A

Section: (none)

Explanation

QUESTION 56

The directory /home is on an ext2 file system. The owner is able to delete other files in the directory, but all attempts by the owner of /home/owner/A to delete the one file result in the output:

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CompTIA XK0-002: Practice Exam

bash:

- A. Permission denied
Given the file listing:
-rw-r--r-- 1 owner owner 5 Jun 13 12:14 A
Which of the following should be checked next in order to diagnose this problem?
- B. mkfs
- C. dmesg
- D. lsattr /home/owner/A
- E. rm -r /home/owner

Correct Answer: C

Section: (none)

Explanation

QUESTION 57

Which of the following commands will add a user to a group from a Telnet session?

- A. groupuse
- B. useradd
- C. groupset
- D. user2group

Correct Answer: B

Section: (none)

Explanation

QUESTION 58

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On an NIS client, 'cd ~www' changes to /var/www. The correct location for the NIS 'www' user is /mnt/www.

'ypcat passwd | grep www' reports:

www:X:73:NIS www user:/mnt/www:/bin/sh

Which of the following is the BEST solution to the problem?

- A. Change the home directory for the www user in the local passwd file.
- B. Remove the www user from the NIS passwd map.
- C. Remove the www user from the local passwd file.
"Pass Any Exam. Any Time." - www.actualtests.com 90
CompTIA XK0-002: Practice Exam
- D. Change the home directory for the www user in the NIS passwd map.

Correct Answer: C

Section: (none)

Explanation

QUESTION 59

Which command would set a file's permissions to the following? rwxr--r--

- A. chmod 755 filename
- B. chmod u=rw filename
- C. chmod o+x filename
- D. chmod 744 filename

Correct Answer: D

Section: (none)

Explanation

QUESTION 60

Which of the following packages helps to identify simple passwords?

- A. Crack
- B. gnupg
- C. Hack
- D. Hunt

Correct Answer: A

Section: (none)

Explanation

QUESTION 61

The user of a Linux workstation reports slow network performance during heavy Web access. The workstation is connected to an unmanaged switch. Which of the following is MOST likely the problem?

- A. The network card is in promiscuous mode.
- B. The network card duplex setting is incorrect.
- C. The network card is bad.
- D. The network card is disabled.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 62

A Linux system has been installed using Chinese. The system administrator has been asked to change the language setting to English. Which of the following commands can be used to do this?

"Pass Any Exam. Any Time." - www.actualtests.com 101
CompTIA XK0-002: Practice Exam

- A. lsmod
- B. keyboard
- C. depmod
- D. xmodmap

Correct Answer: D

Section: (none)

Explanation

QUESTION 63

After a company-standard installation, a user with a Swedish keyboard has the English character set loaded. Which of the following configuration files should be edited to support the specific country keyboard?

- A. Xmodmap
- B. keyb.conf
- C. XF86Config
- D. .bash_profiles

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 64

A user who is installing Linux inserts the install CD-ROM and then reboots the computer. However, the computer boots into Windows. Which of the following MOST likely caused the problem?

- A. The user needs to install a Windows driver.
- B. The computer BIOS has the wrong boot order.
- C. The hard drive does not support Linux.
- D. The MD5 sum is erroneous.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 65

Which of the following commands can be used to confirm checksums on the Samba package?

- A. rpm -v samba.rpm
- B. rpm -V samba.rpm
- C. rpm -c samba.rpm
- D. rpm -i samba.rpm

Correct Answer: B

Section: (none)

Explanation

QUESTION 66

The UMASK value is set to 22 Which of the following will the default permissions be on filename.txt when the file is created?

- A. rwxr-xr-x
- B. ---w--w-
- C. r-xr-wr-w
- D. rw-r--r--

Correct Answer: D

Section: (none)

Explanation

QUESTION 67

A company wants to install a Linux server to act as an internal file and print server. They have a limited budget. Which of the following is the MOST important hardware investment for this user?

- A. Video card
- B. IEEE-1394 card
- C. Processor
- D. Hard drive

Correct Answer: D

Section: (none)

Explanation

QUESTION 68

DMA (Direct Memory Access) is required for which of the following items?

- A. Mouse
- B. Sound card
- C. Serial port
- D. Keyboard

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 69

In the file /etc/nsswitch.conf, what does the following line do? ~ hosts: nis files dns

- A. /etc/hosts is used for all NIS, NetBIOS, and DNS lookups.
- B. NIS is used first for hostname resolution.
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CompTIA XK0-002: Practice Exam
- C. NSS (Network Security Services) lookup is enabled for NIS, DNS, and remote files.
- D. NIS requests are forwarded to DNS.

Correct Answer: B

Section: (none)

Explanation

QUESTION 70

A user created the following grub.conf file.

default=0

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timeout=10

splashimage=(hda1)/grub/splash.xpm.gz

title Linux Server (2.4.22)

root(hda1)

kernel /vmlinuz-2.4.22 ro root=LABEL=/ hdc=ide-scsi rhgb initrd initrd-2.4.22

Which of the following is wrong with this file?

- A. The hard drive label should be (hd0,0), not (hda1).
- B. The splashimage should not be gzipped.
- C. The root partition should be mounted "rw", not "ro".
- D. The correct path should be /boot/vmlinuz-2.4.22.
"Pass Any Exam. Any Time." - www.actualtests.com 19
CompTIA XK0-002: Practice Exam

Correct Answer: A

Section: (none)

Explanation

Exam F

QUESTION 1

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The /usr/bin/passwd command has the following permissions:

```
-r-s--x--x 1 root root passwd
```

Which of the following will occur?

- A. The command would use SSL (Secure Socket Layer) by default.
- B. The command restricts permissions to the superuser.
- C. The command will have the sticky bit set.
- D. The command runs with permissions of the superuser.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

"Pass Any Exam. Any Time." - www.actualtests.com 91

CompTIA XK0-002: Practice Exam

QUESTION 2

A technician created a new directory for use by a user "User12". User12 is unable to create new files or subdirectories within this new directory. Using the ls command, the technician observes the following:

```
drwxr-xr-x 2 root root 4096 May 24 13:11 dirname
```

Which of the following is the BEST way to enable User12 to use the directory without letting other users manipulate its content?

- A. chown dirname User12
- B. chmod 700 dirname
- C. chown User12:User12 dirname
- D. chgrp User12 dirname

Correct Answer: C

Section: (none)

Explanation

QUESTION 3

Which of the following symbols is added to the beginning of the password field in the /etc/passwd file so that the user cannot log in?

- A. +
- B. -
- C. !
- D. /

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 4

The user of a Linux workstation reports slow network performance during heavy Web access. The workstation is connected to an unmanaged switch. Which of the following is MOST likely the problem?

- A. The network card is in promiscuous mode.
- B. The network card duplex setting is incorrect.
- C. The network card is bad.
- D. The network card is disabled.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 5

Which of the following commands can be used to view the first 10 lines of the boot.log file?

- A. first /var/log/boot.log
- B. top /var/log/boot.log
- C. tail /var/log/boot.log
- D. head /var/log/boot.log

Correct Answer: D

Section: (none)

Explanation

QUESTION 6

A file with permission set to octet 540 allows which of the following?

- A. Read and write permissions to the owner, and read-only permission to the group. No permission to others.
- B. Read and write permissions to root, and read-only permission to the group. No permission to others.
- C. Read and execute permissions to the owner, and read-only permission to the group. No permission to others.
- D. Read and execute permissions to root, and read-only permission to the group. No permission to others.

Correct Answer: C

Section: (none)

Explanation

QUESTION 7

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An administrator needs to check which users are utilizing the u command and when it is being utilized. Which of the following log files reveals this information?

- A. /var/log/messages
- B. /var/log/lastlog
- C. /etc/sudoers
- D. /etc/wtmp

Correct Answer: A
Section: (none)
Explanation

QUESTION 8

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CompTIA XK0-002: Practice Exam

A hard drive is taking a long time to complete file copies. The user suspects that the IDE drive may not be using DMA. Which of the following commands can be used to verify the hard drive connected on /dev/hda has DMA enabled?

- A. `grep dma /proc/hdinfo`
- B. `grep dma /proc/ide/hda/settings`
- C. `sysinfo /dev/hda`
- D. `fdisk -l /dev/hda`

Correct Answer: B
Section: (none)
Explanation

QUESTION 9

Which of the following commands can be used to provide a reverse lookup of an IP address?

- A. `rlookup 192.168.0.50`
- B. `dig -x 192.168.0.50`
- C. `rarp 192.168.0.50`
- D. `hostname -r 192.168.0.50`

Correct Answer: B
Section: (none)
Explanation

QUESTION 10

Which of the following is a secure authentication method?

- A. Blowfish
- B. Kerberos
- C. MD5
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- D. RC5

Correct Answer: B
Section: (none)
Explanation

QUESTION 11

Which of the following processes has the lowest PID (Process ID)?

- A. `syslogd`
- B. `init`

- C. klogd
 - D. kswapd
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CompTIA XK0-002: Practice Exam

Correct Answer: B

Section: (none)

Explanation

QUESTION 12

User jsmith needs read and write access to the file named employees but should have no access to the file named alary . User jsmith is member of the groups smith and elso?

```
-rw-rw---- 1 jsmith root 113 Jun 16 12:59 employees  
-rw-r----- 1 salary belso 4230 Jun 18 18:01 salary
```

Which of the following should be done to accomplish the goal?

- A. Remove jsmith from the group jsmith
- B. Remove jsmith to the group salary
- C. Remove jsmith from the group belso
- D. Add jsmith to the group root

Correct Answer: C

Section: (none)

Explanation

QUESTION 13

An administrator needs to synchronize a workstation's system time with a network server. Which of the following services will allow the workstation to automatically set the time?

- A. NTP (Network Time Protocol)
 - B. utime
 - C. NNTP (Network News Transport Protocol)
 - D. time
- ActualTests.com

Correct Answer: A

Section: (none)

Explanation

QUESTION 14

Which of the following packages is used to implement Telnet services on major Linux distributions?

- A. rtelnetd
- B. sshd
- C. rsh
- D. xinetd

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CompTIA XK0-002: Practice Exam

Correct Answer: D

Section: (none)

Explanation

QUESTION 15

Ping requests to a network gateway fail. It is determined that an interface's subnet mask is incorrect. Which of the following commands will correct this issue?

- A. `ifup eth0 subnet_mask=255.255.255.0`
- B. `ethtool eth0 subnet_mask=255.255.255.0`
- C. `if eth0 subnet 255.255.255.0 up`
- D. `ifconfig eth0 netmask 255.255.255.0`

Correct Answer: D

Section: (none)

Explanation

QUESTION 16

An Acme SCSI controller was installed on the server to support the boot drive. The system, which runs LILO and uses kernel 2.4.20, will no longer boot. After booting from the recovery CD-ROM, the Acme driver (`acme.o`) is manually loaded and works. The driver is also available in the modules directory on the server's hard drive. Which of the following commands will fix the problem?

- A. `lilo append=acme.o -v /boot/initrd-2.4.20.gz 2.4.20`
- B. `modprobe -p acme.o`
- C. `mkinitrd -f --with=acme.o /boot/initrd-2.4.20.gz 2.4.20`
- D. `cat "alias scsi_hostcontroller acme.o" >> /etc/modules.conf`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 17

Which of the following commands can be run to determine which package owns `/etc/exports`?

- A. `rpm -qf /etc/exports`
- B. `rpm --verify /etc/exports`
- C. `rpm --file /etc/exports`
- D. `rpm -ql /etc/exports`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 18

On an NIS client, the following is a portion of the output of `cat /etc/passwd`:

```
+Joe::::::  
+Sam::::::  
+*::::::/bin/false
```

Which of the following is true for all users other than Joe and Sam?

- A. They are denied access.
- B. They gain access after being prompted for a shell.
- C. They are granted limited access.
- D. They have full access.

Correct Answer: A

Section: (none)

Explanation

QUESTION 19

Which of the following commands can be used to start and stop printers and classes?

- A. enable and disable
- B. start and stop
- C. lprm
- D. lpr

Correct Answer: A

Section: (none)

Explanation

QUESTION 20

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Which of the following commands allows a user to view undelivered messages on a server using sendmail as the MTA (Mail Transport Agent)?

- A. mail
- B. smtpd
- C. sendmail -bd
- D. mailq

Correct Answer: D

Section: (none)

Explanation

QUESTION 21

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A user is trying to print a .pdf document using the following command:
lpr flyer.pdf

Which of the following results will MOST likely occur?

- A. The printer will print pages with strange characters.
- B. The flyer.pdf file will print correctly.
- C. An error message will appear.
- D. The flyer.pdf file will be displayed.

Correct Answer: A

Section: (none)

Explanation

QUESTION 22

Which of the following commands could be used to convert the ext2 file system on /dev/hda2 to use the ext3 file system?

- A. mkfs -t ext3 -j /dev/hda2
- B. e2label -t ext3 /dev/hda2
- C. tune2fs -j /dev/hda2
- D. e2image -j /dev/hda2

Correct Answer: C

Section: (none)

Explanation

QUESTION 23

Which of the following packages would be selected during installation to provide a Web server?

- A. Bind
ActualTests.com
- B. Apache
- C. Mozilla
- D. Squid

Correct Answer: B

Section: (none)

Explanation

QUESTION 24

Which of the following is necessary for a user to scan images from a flatbed scanner?

- A. sane
- B. gimp
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CompTIA XK0-002: Practice Exam
- C. cups
- D. twain

Correct Answer: A

Section: (none)

Explanation

QUESTION 25

When a Linux laptop runs on battery, the hard drive performance significantly decreases. Which of the following can improve the hard drive performance?

- A. Increase the amount of swap space on the disk.
- B. Decrease the amount of swap space on the disk.
- C. Decrease the APM (Advanced Power Management) value for the hard drive.

D. Increase the APM (Advanced Power Management) value for the hard drive.

Correct Answer: D

Section: (none)

Explanation

QUESTION 26

A Linux administrator wants to disable the use of setuid and setgid files for the /var file system. How would this be accomplished?

- A. Add an entry to the options list in /etc/fstab
- B. Add an entry to /etc/setuid.conf
- C. Run the command "tune2fs --nosuid /var"
- D. Add an entry to the options list in /etc/sysctl.conf

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 27

A user receives a file named package.rpm.bz2. Which of the following commands will uncompress the file for use?

- A. bunzip2 package.rpm.bz2
- B. bzip2 --uncompress package.rpm.bz2
- C. bzip -d package.rpm.bz2
- D. bunzip package.rpm.bz2

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 28

The user would like to find documentation files of an installed package. Which of the following is the MOST likely place to find the documentation?

- A. /etc/doc
- B. /usr/share/doc
- C. /documents
- D. /usr/local/doc

Correct Answer: B

Section: (none)

Explanation

QUESTION 29

Which of the following programs could be used to display a remote login prompt on a serial line or terminal?

- A. agetty
- B. console
- C. portmap
- D. sshd

Correct Answer: A

Section: (none)

Explanation

QUESTION 30

When an ATA-133 hard drive is installed, which of the following cables should be used?

- A. 68 pin 68 wire
ActualTests.com
- B. 40 pin 80 wire
- C. 80 pin 40 wire
- D. 80 pin 80 wire

Correct Answer: B

Section: (none)

Explanation

QUESTION 31

Suppose b is a link to another file. The output of `ls -l b` is:
`lrwxrwxrwx 1 root root 1 Jun 13 12:44 b -> a`

Which of the following is the effect if root issues the command `chmod 600 b`?

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- A. Permissions listed for both the symbolic link and the target file are changed.
- B. Permissions associated with the symbolic link itself are set to 600 while the permissions for the target file are unchanged.
- C. Permissions for the target file are set to 600 while the permissions listed for the link are unchanged.
- D. The user will receive an error message.

Correct Answer: C

Section: (none)

Explanation

QUESTION 32

Which of the following is the correct way to specify the algorithm for an SSH (Secure Shell) connection to 10.10.10.1?

- A. `ssh -c 3des 10.10.10.1`
- B. `ssh --crypto=3des 10.10.10.1`
- C. `ssh -a 3des 10.10.10.1`
- D. `ssh --alg=3des 10.10.10.1`

Correct Answer: A

Section: (none)

Explanation

QUESTION 33

The /etc/exports file on a Linux system contains the following entry:
/var logger(ro,no_root_squash)

In this file, the name ogger is which of the following? ActualTests.com

- A. A username
- B. A directory or filename
- C. A hostname
- D. A program name

Correct Answer: C

Section: (none)

Explanation

QUESTION 34

A Linux system has been installed using Chinese. The system administrator has been asked to change the language setting to English. Which of the following commands can be used to do this?

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- A. lsmod
- B. keyboard
- C. depmod
- D. xmodmap

Correct Answer: D

Section: (none)

Explanation

QUESTION 35

An administrator needs to adjust the MTU (Maximum Transmission Unit) value on an Ethernet interface. Which of the following commands can be used to change the current MTU value to a new one?

- A. route
- B. ifconfig
- C. netstat
- D. iptables

Correct Answer: B

Section: (none)

Explanation

QUESTION 36

Which of the following commands could an administrator use to switch to single-user mode without rebooting the system?

- A. sudo --single
 - B. init 1
 - C. chroot -so
 - D. su --single
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Correct Answer: B

Section: (none)

Explanation

QUESTION 37

Which of the following types of partitions can be used to provide a reliable shared partition on a dual-boot system with Linux and Windows 98?

- A. NTFS
 - B. HFS (Hierarchical File System)
 - C. FAT
 - D. Ext2
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CompTIA XK0-002: Practice Exam

Correct Answer: C

Section: (none)

Explanation

QUESTION 38

A RAID controller is to be installed in Linux as the boot device. Which of the following sources will BEST confirm that the hardware is supported by the version of Linux being installed?

- A. Internet search engine
- B. www.linuxdoc.org
- C. Linux distribution Website
- D. RAID manufacturer's Website

Correct Answer: C

Section: (none)

Explanation

QUESTION 39

The network card in the server is on the Linux distributor's HCL (Hardware Compatibility List), but no binary drivers are provided. The drivers may be downloaded in source code form only. Which of the following is needed to make these drivers work?

- A. The distributor's source code
- B. The manufacturer's installation kit
- C. The Linux kernel sources for the installed kernel
- D. The manufacturer's development library

Correct Answer: C

Section: (none)

Explanation

QUESTION 40

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Which of the following is supported when creating a Linux VPN (Virtual Private Network)?

- A. chap
- B. NTLMv2
- C. RC2
- D. 3DES

Correct Answer: D

Section: (none)

Explanation

QUESTION 41

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A customer requires that the following packages be installed on a server:

quota
raidtools
Samba
Amanda
yp-serv

For which of the following purposes is this server MOST likely to be used?

- A. Streaming media server
- B. Firewall
- C. File server
- D. Database server

Correct Answer: C

Section: (none)

Explanation

QUESTION 42

Which of the following can be used to view username, UID (User ID), GID (Group ID), full name, home directory, and default shell information?

- A. cat /etc/services
- B. cat /etc/shadow
- C. cat /etc/group
- D. cat /etc/passwd

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 43

Which of the following commands could be used to show the waiting print jobs on printhost using the CUPS printing system?

- A. cups --queue -h printhost
- B. showqueue -h printhost
- C. lpr --list-jobs -h printhost
- D. lpstat -h printhost

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 44

Which of the following commands can be used to ensure that all the files in /home/user and its subdirectories are accessible only by the owner of /home/user?

- A. chmod 711 /home/user
- B. chmod 700 /home/user
- C. chown user /home/user/*
- D. chown -R user /home/user

Correct Answer: B

Section: (none)

Explanation

QUESTION 45

A workstation is unable to browse a Website by name. Which of the following files must be checked to confirm DNS settings?

- A. /etc/init.d
- B. /etc/resolv.conf
- C. /etc/named.conf
- D. /etc/nameserver.conf

Correct Answer: B

Section: (none)

Explanation

QUESTION 46

Which of the following Linux systems would MOST likely be without a monitor and keyboard?

- A. Thin client workstation
ActualTests.com
- B. Portable network traffic analyzer
- C. Database server appliance
- D. Web browser kiosk

Correct Answer: C

Section: (none)

Explanation

QUESTION 47

The following is an extract of a password file:

```
Smith:*:1133:334:John Smith:/usr/people/jsmith:/bin/tcsh
```

Which of the following is the purpose of the ??in Smith's password field?

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CompTIA XK0-002: Practice Exam

- A. It indicates that Smith is a superuser.
- B. It deactivates Smith's account.
- C. It forces Smith to change his password at his next login.
- D. It indicates that Smith's home directory is shared by other members of his group.

Correct Answer: B

Section: (none)

Explanation

QUESTION 48

A script set to run using /bin/sh has executed a grep command, and grep has returned an error. If the grep result is analyzed by the following logic:

```
if [ "$?" = 0 ]
then
echo BLUE
else echo GREEN
fi
```

Which of the following will be the script's output?

- A. Error: Unexpected input "\$"
- B. BLUE
- C. GREEN
- D. end

Correct Answer: C

Section: (none)

Explanation

QUESTION 49

ActualTests.com

An application is failing and indicates that the error.log should be viewed, but no location is provided. How can this file for the error.log be found effectively?

- A. find / -n error.log
- B. find -name error.log
- C. find / -daystart -amin 60 -name error.log
- D. find / -name error.log

Correct Answer: D

Section: (none)

Explanation

QUESTION 50

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CompTIA XK0-002: Practice Exam

The administrator has added a specific route for 192.168.3.0/24 to the routing table as shown below:

```
Destination Gateway Genmask Flags Metric Ref Use Iface 192.168.3.0 192.168.1.243 255.255.255.0 UG 0 0 0  
eth0 192.168.1.0 0.0.0.0 255.255.255.0 U 0 0 0 eth  
0 0.0.0.0 192.168.1.1 0.0.0.0 UG 0 0 0 eth0
```

Which of the following is a valid method for removing the route?

- A. route del -net 192.168.3.0 netmask 255.255.255.0 gw 192.168.1.243
- B. edit /proc/net/netstat
- C. route remove -net 192.168.3.0 netmask 255.255.255.0 gw 192.168.1.1
- D. route remove 192.168.3.0 255.255.255.0

Correct Answer: A

Section: (none)

Explanation

QUESTION 51

Under which of the following scenarios should an administrator initiate single user mode?

- A. To run fsck on a damaged filesystem
- B. To suspend a user account
- C. To check the root and postmaster mail boxes
- D. To reset a forgotten user password

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 52

A Linux machine has a local address of 192.168.1.1 with a subnet mask of 255.255.255.0. All services are currently denied. Which of the following lines should be appended to the hosts.allow file to permit access to the Web service on the local subnet?

- A. ALL except httpd: 192.168.1.1/24
- B. ALL: 192.168.1.255/24
- C. httpd: 192.168.1.0/24
- D. 192.168.1.255/255.255.255.0:httpd

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

The system administrator wishes to view vmstat output once every 10 seconds for the next minute. Which of the following commands accomplishes this?

- A. vmstat --time='1 min' 10
- B. vmstat 10 6
- C. vmstat -10 -1min
- D. vmstat 10; sleep 60

Correct Answer: B

Section: (none)

Explanation

QUESTION 54

Which of the following commands will display a list of system hardware after the Linux system boots?

- A. POST
- B. systeminfo
- C. dmesg
- D. proc

Correct Answer: C

Section: (none)

Explanation

QUESTION 55

A Linux administrator just installed Xfree86. Which of the following files should the administrator edit in order to change the default system runlevel from 3 to 5?

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- A. /etc/inittab
- B. /etc/runlevels
- C. /etc/rc.sysinit
- D. /etc/default/runlevel

Correct Answer: A

Section: (none)

Explanation

QUESTION 56

An employee has been terminated from the company. Which of the following commands will remove the user from the system and maintain the contents of the employee's home directory?

- A. userdel -r
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CompTIA XK0-002: Practice Exam
- B. passwd -l
- C. usermod -f

D. userdel

Correct Answer: D

Section: (none)

Explanation

QUESTION 57

A Linux server may have vulnerabilities if which of the following occurs?

- A. There are too many users.
- B. The SSH (Secure Shell) is disabled.
- C. The Apache Web server is running.
- D. The system is unpatched.

Correct Answer: D

Section: (none)

Explanation

QUESTION 58

After a company-standard installation, a user with a Swedish keyboard has the English character set loaded. Which of the following configuration files should be edited to support the specific country keyboard?

- A. Xmodmap
- B. keyb.conf
- C. XF86Config
- D. .bash_profiles

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

ActualTests.com

QUESTION 59

A server requires more swap space. A new swap partition is created at /dev/sdb2 using fdisk. After editing the configuration, which of the following commands is used to activate the new partition?

- A. mkfs -swap
- B. mount -t vfs /dev/sdb2
- C. swapon -a
- D. sfdisk /dev/sdb2

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

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CompTIA XK0-002: Practice Exam

QUESTION 60

The command is -l file is issued, and the result is:

-rwxrw---x 5 root wheel 8192 Jan 01 21:00 file

Which of the following chmod commands corresponds to the current permissions of the file?

- A. chmod 471 file
- B. chmod 726 file
- C. chmod 623 file
- D. chmod 761 file

Correct Answer: D

Section: (none)

Explanation

QUESTION 61

An administrator wants to temporarily disable the eth0 network interface on a server. Which of the following commands will accomplish this?

- A. ifconfig disable
- B. ifconfig eth0 disable
- C. ifconfig eth0 down
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CompTIA XK0-002: Practice Exam
- D. ifconfig eth0 off

Correct Answer: C

Section: (none)

Explanation

QUESTION 62

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The IDS (Intrusion Detection System) reports many events that are not security incidents. Which of the following is the term for these types of events?

- A. False positives
- B. True negatives
- C. False negatives
- D. True positives

Correct Answer: A

Section: (none)

Explanation

QUESTION 63

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Which of the following commands enables a user to make a newly-created shell script executable by only its owner?

- A. chmod u+x <filename>
- B. chown 755 <filename>
- C. ./<filename>
- D. ./configure <filename>

Correct Answer: A

Section: (none)

Explanation

QUESTION 64

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A hard drive is taking a long time to complete file copies. The user suspects that the IDE drive may not be using DMA. Which of the following commands can be used to verify the hard drive connected on /dev/hda has DMA enabled?

- A. `grep dma /proc/hdinfo`
- B. `grep dma /proc/ide/hda/settings`
- C. `sysinfo /dev/hda`
- D. `fdisk -l /dev/hda`

Correct Answer: B

Section: (none)

Explanation

QUESTION 65

Which of the following commands can be used to mount a Samba share?

- A. `mount -t samba /servername/sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`
- B. `mount -t smbfs \\servername\sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`
- C. `smbmount -t smbfs //servername/sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`
- D. `smbmount //servername/sharename /mountdirectory -o ActualTests.com username=mywindowsusername,password=mywindowpassword`

Correct Answer: D

Section: (none)

Explanation

QUESTION 66

A user needs to attach a Linux laptop to a wireless access point using 802.11b. Which of the following applications would allow the user to configure the WEP (Wired Equivalent Privacy) key?

- A. `wlancfg`
- B. `netconfig`
- C. `wl-keygen`
- D. `WINE`

Correct Answer: A

Section: (none)

Explanation

QUESTION 67

Which of the following commands sets the permissions of a file to the following? -rwsr-sr-x

- A. chmod 6755 filename
- B. chown 2755 filename
- C. change 4755 filename
- D. chmod 1755 filename

Correct Answer: A

Section: (none)

Explanation

QUESTION 68

The administrator sees this line in /etc/fstab:

/dev/md0 / ext3 defaults 0 1

Which of the following BEST describes the /dev/md0 device?

- A. LOOP device
 - B. SCSI device
 - C. ATA device
 - D. RAID device
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Correct Answer: D

Section: (none)

Explanation

QUESTION 69

Which of the following commands will add a user to a group from a Telnet session?

- A. groupuse
- B. useradd
- C. groupset
- D. user2group

Correct Answer: B

Section: (none)

Explanation

Exam G

QUESTION 1

Which of the following IRQs is commonly used by /dev/hda?

- A. 3
- B. 15
- C. 14
- D. 7

Correct Answer: C

Section: (none)

Explanation

QUESTION 2

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Which of the following is used to terminate a hile loop in a BASH shell?

- A. wend
- B. elihw
- C. end
- D. done

Correct Answer: D

Section: (none)

Explanation

QUESTION 3

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CompTIA XK0-002: Practice Exam

Root logins should NOT be allowed over the network for which of the following reasons?

- A. It creates accountability by writing all "su" attempts to a su log.
- B. It prevents the system from being rebooted remotely.
- C. It stops bruteforcing attempts on the root account over the network.
- D. It restricts sudoers who can su to root.

Correct Answer: C

Section: (none)

Explanation

QUESTION 4

A user complains that the mount point the system uses for the CD-ROM device is too long. The user wants to change the mount point from /media/cdrom to /cdrom. Which of the following files needs to be edited?

- A. /etc/exports
- B. /etc/mount
- C. /etc/mtab
- D. /etc/fstab

Correct Answer: D

Section: (none)

Explanation

QUESTION 5

A Linux technician accessed the Web server on `http://127.0.0.1` with a default install of Apache, and received a forbidden message. Where can the technician find detailed messages about this problem?

- A. `error_log`
ActualTests.com
- B. `apache_log`
- C. `httpd_log`
- D. `access_log`

Correct Answer: A

Section: (none)

Explanation

QUESTION 6

When a new user account is created, default settings are copied from which of the following?

- A. `/etc/skel`
- B. `/etc/start`
"Pass Any Exam. Any Time." - www.actualtests.com 111
CompTIA XK0-002: Practice Exam
- C. `/home/default`
- D. `/usr/default`

Correct Answer: A

Section: (none)

Explanation

QUESTION 7

An administrator watches a Linux system boot and noticed an error with one of the hda partitions. It went by too quickly on the screen for the administrator to read the details. How can this information be recalled?

- A. `fsck`
- B. `top`
- C. `debug`
- D. `dmesg`

Correct Answer: D

Section: (none)

Explanation

QUESTION 8

Which of the following commands can be used to mount a Samba share?

- A. `mount -t samba /servername/sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`
- B. `mount -t smbfs \\servername\sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`

- C. `smbmount -t smbfs //servername/sharename /mountdirectory -o username=mywindowsusername,password=mywindowpassword`
- D. `smbmount //servername/sharename /mountdirectory -o ActualTests.com username=mywindowsusername,password=mywindowpassword`

Correct Answer: D

Section: (none)

Explanation

QUESTION 9

An administrator is seeking to view the information contained in the wtmp log file. Which of the following commands is designed to display the contents of this file in human-readable format?

- A. `last`
- B. `showtmp`
- C. `wshow`
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CompTIA XK0-002: Practice Exam
- D. `displaytmp`

Correct Answer: A

Section: (none)

Explanation

QUESTION 10

Which of the following commands sets the permissions of a file to the following? `-rwsr-sr-x`

- A. `chmod 6755 filename`
- B. `chown 2755 filename`
- C. `change 4755 filename`
- D. `chmod 1755 filename`

Correct Answer: A

Section: (none)

Explanation

QUESTION 11

Which of the following configurations does `cardmgr` read at startup on a Linux system?

- A. SCSI cards
- B. PCI cards
- C. USB cards
- D. PCMCIA cards

Correct Answer: D

Section: (none)

Explanation

QUESTION 12

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Which of the following daemons could be used for printing on a Linux system?

- A. lprd
- B. postfix
- C. cupsd
- D. sane

Correct Answer: C

Section: (none)

Explanation

QUESTION 13

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User 'jones' cannot login to a Linux server. The technician checked the server records and noted that shadow passwords are disabled. The technician also noted that /etc/passwd contains the following entry:
jones:*:1001:300:Bob Jones:/home/jones:/bin/bash

Which of the following is MOST likely to be the problem?

- A. The account is using a service UID (User ID).
- B. Jones used the wrong password.
- C. The account is disabled.
- D. The account is expired.

Correct Answer: C

Section: (none)

Explanation

QUESTION 14

Which of the following commands can be used to back up all the files in the current directory and compress them?

- A. tar -cvf - * | gunzip > backup.tgz
- B. tar zcvf backup.tgz *
- C. gtar zcvf backup.tgz *
- D. tar -Zxvf backup.tgz *

Correct Answer: B

Section: (none)

Explanation

QUESTION 15

Which of the following commands can be used to view a user's crontab entry? ActualTests.com

- A. crontab -l
- B. crontab -e
- C. crontab -v
- D. cronview

Correct Answer: A

Section: (none)

Explanation

QUESTION 16

Why should "/tmp" be located on a separate partition from the "/" file system?

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CompTIA XK0-002: Practice Exam

- A. /tmp could become full and fill up the root file system.
- B. /tmp is used to simulate RAM.
- C. /tmp requires a lot of space.
- D. /tmp file system is cleared after every reboot.

Correct Answer: A

Section: (none)

Explanation

QUESTION 17

A Linux disk indicates that it has errors. Which of the following commands tests an entire ext2 file system and repairs errors without user interaction?

- A. e2fsck -y
- B. fdisk -V
- C. e2fsck -V
- D. e2fsck -a

Correct Answer: A

Section: (none)

Explanation

QUESTION 18

The administrator sees this line in /etc/fstab:

/dev/md0 / ext3 defaults 0 1

Which of the following BEST describes the /dev/md0 device?

- A. LOOP device
 - B. SCSI device
 - C. ATA device
 - D. RAID device
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Correct Answer: D

Section: (none)

Explanation

QUESTION 19

The pwconv command does which of the following?

- A. It creates the /etc/shadow file, moves the encrypted passwords into it, and places an x in the password field of the /etc/passwd file.

- B. It creates the /usr/lib/shadow file, moves the encrypted passwords into it and places an x in the password field of the /etc/passwd file.
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CompTIA XK0-002: Practice Exam
- C. It removes the /etc/shadow file and places the encrypted passwords in the second field of the /etc/passwd file.
- D. It removes the /usr/lib/shadow file and places the encrypted passwords in the second field of the /etc/passwd file.

Correct Answer: A

Section: (none)

Explanation

QUESTION 20

The administrator wants to deny ICMP traffic from being forwarded. Which of the following commands would accomplish this?

- A. iptables -A FORWARD -p icmp -j DROP
- B. iptables -A FORWARD -a all -proto ICMP -j REJECT
- C. iptables -A FORWARD -p icmp -j DENY
- D. iptables -A FORWARD -p udp --dport icmp -j DROP

Correct Answer: A

Section: (none)

Explanation

QUESTION 21

After downloading a new Linux distribution for a new installation, the administrator discovers the machine does not have a bootable CD-ROM drive. Which of the following DOS utilities would the administrator use to write a diskette image onto a 3.5" diskette?

- A. xcopy
 - B. copy
 - C. linload
 - D. rawwrite
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Correct Answer: D

Section: (none)

Explanation

QUESTION 22

Which of the following protocols is used while configuring a Linux workstation to use a connection via a DSL modem?

- A. ATM
- B. SLIP
- C. PPTP
- D. PPPoE

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Correct Answer: D

Section: (none)

Explanation

QUESTION 23

Which of the following fstab entries will mount a Samba share at boot time?

- A. //servername/sharename /mountdirectory smbfs
username=windowsusername,password=windowspassword 0 0
- B. //servername/sharename /mountdirectory sambafs
username=windowsusername,password=windowspassword
0 0
- C. servername:sharename /mountdirectory smbfs
username=windowsusername,password=windowspassword 0 0
- D. smbmount //servername/sharename /mountdirectory -o
username=windowsusername,password=windowspassword

Correct Answer: A

Section: (none)

Explanation

QUESTION 24

Which of the following is contained in the init.d directory?

- A. Service startup scripts
- B. Infrared remote control configuration files
- C. New user templates
- D. Access control lists

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 25

A user downloads the software package "package.tar.bz2" from the vendor. Which of the following command lines can be used to extract the contents of the package?

- A. tar xvf package.tar.bz2 | bzip2 -d
- B. tar xf package.tar.bz2
- C. bzip2 package.tar | tar xvf package.tar.bz2
- D. bzip2 -d < package.tar.bz2 | tar xvf -

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 26

Which of the following commands, when issued from a non-root user, will remove all files from the /tmp directory after prompting the user for the root password?

- A. su "rm -rf /tmp/*"
- B. rm -rf /tmp/* -su
- C. su -c "rm -rf /tmp/*"
- D. rmdir -rf /tmp/*

Correct Answer: C

Section: (none)

Explanation

QUESTION 27

A user wants to set up a parallel port printer on the workstation's second parallel port. Which of the following device identifiers needs to be used during configuration?

- A. /dev/lp1
- B. /dev/epp2
- C. /dev/ecp1
- D. /dev/prn2

Correct Answer: A

Section: (none)

Explanation

QUESTION 28

Which driver, if any, is required to support L3 cache on the system processor?

- A. No driver is required.
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- B. mtrr.o
- C. cache.o
- D. msr.o

Correct Answer: A

Section: (none)

Explanation

QUESTION 29

Which of the following commands should be used to allow SSH (Secure Shell) to connect to a server with IP address 192.168.0.100?

- A. ssh -6 -l user 192.168.0.100
- B. sshd -l user 192.168.0.100
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- C. ssh -l user 192.168.0.100
- D. sshd -6 192.168.0.100

Correct Answer: C

Section: (none)

Explanation

QUESTION 30

A user needs to attach a Linux laptop to a wireless access point using 802.11b. Which of the following applications would allow the user to configure the WEP (Wired Equivalent Privacy) key?

- A. wlanconf
- B. netconfig
- C. wl-keygen
- D. WINE

Correct Answer: A

Section: (none)

Explanation

QUESTION 31

The LILO boot configuration needs to be updated to support a new IDE hard drive that was installed. How should this be accomplished?

- A. Edit lilo.conf and run "lilo -v -v"
- B. Set LILO=/dev/hda and then run "liloconf /dev/hda"
- C. Edit lilo.conf and run "liloconf -v -v"
- D. Run "lilo -o /dev/hda"

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 32

The administrator discovers that the SSH (Secure Shell) key may have been compromised. Which of the following commands would the administrator run to create a new key?

- A. make clean | ssh-key
- B. keygen-ssh
- C. make ssh-key
- D. ssh-keygen

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

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QUESTION 33

A Linux server is to be used as a Web server. Which of the following is the BEST way to configure its Ethernet adapter?

- A. Use an IP alias.
- B. Configure the DHCP Server.
- C. Configure the DHCP Client.

D. Use a static IP address.

Correct Answer: D

Section: (none)

Explanation

QUESTION 34

After installing or updating a dynamically linked library, the technician needs to reload /etc/ld.so.conf and refresh the dynamic linker's cache so new programs that need the new library can run. Which of the following programs should be run?

- A. ldupdate
- B. kill -HUP 1
- C. ld --reload
- D. ldconfig

Correct Answer: D

Section: (none)

Explanation

QUESTION 35

Which of the following commands will add a user to a group from a Telnet session?

- A. groupuse
- B. useradd
- C. groupset
- D. user2group

Correct Answer: B

Section: (none)

Explanation

QUESTION 36

An administrator is seeking to view the information contained in the wtmp log file. Which of the following commands is designed to display the contents of this file in human-readable format?

- A. last
- B. showtmp
- C. wshow
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CompTIA XK0-002: Practice Exam
- D. displaytmp

Correct Answer: A

Section: (none)

Explanation

QUESTION 37

Which of the following commands should be used to allow SSH (Secure Shell) to connect to a server with IP address 192.168.0.100?

- A. `ssh -6 -l user 192.168.0.100`
- B. `sshd -l user 192.168.0.100`
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- C. `ssh -l user 192.168.0.100`
- D. `sshd -6 192.168.0.100`

Correct Answer: C

Section: (none)

Explanation

QUESTION 38

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Which of the following encryption schemes is the LEAST secure?

- A. DES
- B. Blowfish
- C. AES
- D. MD5

Correct Answer: A

Section: (none)

Explanation

QUESTION 39

The directory /home is on an ext2 file system. The owner is able to delete other files in the directory, but all attempts by the owner of /home/owner/A to delete the one file result in the output:

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bash:

- A. Permission denied
Given the file listing:
`-rw-r--r-- 1 owner owner 5 Jun 13 12:14 A`
Which of the following should be checked next in order to diagnose this problem?
- B. `mkfs`
- C. `dmesg`
- D. `lsattr /home/owner/A`
- E. `rm -r /home/owner`

Correct Answer: C

Section: (none)

Explanation

QUESTION 40

A technician is installing hardware in a Linux system that is not supported by the current kernel. The Linux distribution does not provide any updates. Where should the user obtain a newer kernel?

- A. The kernel.org Website

- B. The SourceForge Website
- C. The gnu.org Website
- D. The hardware manufacturer's Website

Correct Answer: A

Section: (none)

Explanation

QUESTION 41

The directory /home is on an ext2 file system. The owner is able to delete other files in the directory, but all attempts by the owner of /home/owner/A to delete the one file result in the output:

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bash:

- A. Permission denied
Given the file listing:
-rw-r--r-- 1 owner owner 5 Jun 13 12:14 A
Which of the following should be checked next in order to diagnose this problem?
- B. mkfs
- C. dmesg
- D. lsattr /home/owner/A
- E. rm -r /home/owner

Correct Answer: C

Section: (none)

Explanation

QUESTION 42

The user of a Linux workstation reports slow network performance during heavy Web access. The workstation is connected to an unmanaged switch. Which of the following is MOST likely the problem?

- A. The network card is in promiscuous mode.
- B. The network card duplex setting is incorrect.
- C. The network card is bad.
- D. The network card is disabled.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

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