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101-350

LPI Level 1 Exam 101, Junior Level Linux Certification, Part 1 of 2

- This dump certainly solved each and everything for me and provided me an outstanding chance of getting success in the test.
- Excellent Questions, I pass with 90% with these questions. Guys just read this only.
- It contains updated questions, which really helpful to succeed.
- 100% Valid in US, UK, Australia, India and Emirates. All my friends in group have these same questions.
- More than 80% questions are from this dump :).

Sections

1. System Architecture
2. Linux Installation and Package Management
3. GNU and Unix Commands
4. Devices, Linux Filesystems, Filesystem Hierarchy Standard

Exam A**QUESTION 1**

Which of the following commands will change all CR-LF pairs in an imported text file, userlist.txt, to Linux standard LF characters and store it as newlist.txt?

- A. `tr '\r\n' " " < userlist.txt > newlist.txt`
- B. `tr -c '\n\r' " " < newlist.txt > userlist.txt`
- C. `tr -d '\r' < userlist.txt > newlist.txt`
- D. `tr '\r' '\n' userlist.txt newlist.txt`
- E. `tr -s '^M' '^J' userlist.txt newlist.txt`

Correct Answer: C

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

answer is correct.

QUESTION 2

What command will print a list of usernames (first column) and their corresponding user id (uid, third column) from /etc/passwd?

- A. `cut -d: -f1,3 /etc/passwd`
- B. `chop -c 1,3 /etc/passwd`
- C. `tac 1-3 /etc/passwd`
- D. `fmt -u /etc/passwd`

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 3

What is the default action of the split command on an input file?

- A. It will break the file into new files of 1,024 byte pieces each.
- B. It will break the file into new files of 1,000 line pieces each.
- C. It will break the file into new files of 1,024 kilobyte pieces each.

D. It will break the file into new files that are no more than 5% of the size of the original file.

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 4

Which of the following commands can be used to create a new file that is 100kB in size?

- A. dd
- B. file
- C. mkfile
- D. touch

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

true answer.

QUESTION 5

When piping the output of find to the xargs command, what option to find is useful if the filenames have spaces in them?

- A. -rep-space
- B. -print0
- C. -nospace
- D. -ignore-space

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

100% fit answer.

QUESTION 6

Which option to the tee command will cause the output to be concatenated on the end of the output file instead of overwriting the existing file contents?

- A. -a
- B. -c
- C. --no-clobber
- D. continue

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 7

Which of the following shell redirections will write standard output and standard error output to a file named filename?

- A. 2>&1 >filename
- B. >filename 2>&1
- C. 1>&2>filename
- D. >>filename
- E. 1&2>filename

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 8

What is the purpose of the & character at the end of a command line?

- A. It causes standard error to be unbuffered.
- B. It causes the command to be run in the background of the current shell.
- C. It puts the command under the job control facilities of the current shell.
- D. It causes the command to be run as a child of the initial login shell of the user.

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 9

Which of the following commands will produce the following output?

```
USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 1255 4.4 0.9 60716 34824 tty7 Ss+ 09:25 19:04 /usr/bin/X :0 - root 2016  
0.0 0.0 1792 560 tty1 Ss+ 09:26 0:00 /sbin/getty -8 matt 5204 0.0 0.1 6320 3696 pts/4 Ss 13:12 0:00 bash matt 5219 0.0 0.0 3988 1624 pts/4 S+ 13:12  
0:00 man bash matt 5229 0.0 0.0 3584 932 pts/4 S+ 13:12 0:00 pager -s matt 6768 0.0 0.1 10504 3880 pts/2 S+ 15:11 0:00 vi README.txt
```

- A. jobs
- B. proclist
- C. netstat
- D. ps

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 10

In the vi editor, which of the following commands will copy the current line into the vi buffer?

- A. c
- B. cc
- C. 1c
- D. yy
- E. 1y

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 11

What does the ?symbol mean in the following grep regular expression:

grep '^d[aei]?d\$' /usr/share/dict/words

- A. Match the preceding character set ([aei]) one or more times.
- B. Match the preceding character set ([aei]) zero or more times.
- C. Match the preceding character set ([aei]) zero or one times.
- D. Match a literal ?symbol.

Correct Answer: C

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 12

Which signal is sent to a suspended process in order to have it resume execution?

- A. CONT
- B. EXEC
- C. RESM
- D. UNSP

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

right answer.

QUESTION 13

Which vi command will change modes so that text can be entered by typing in the keyboard?

- A. e
- B. i
- C. t
- D. w

Correct Answer: B

Section: GNU and Unix Commands

Explanation**Explanation/Reference:**

valid answer.

QUESTION 14

What is the purpose of the xargs command?

- A. It passes argument to an X server.
- B. It will read standard input and build up commands lines to execute.
- C. It helps shell scripts take variable argument lists.
- D. It will ask a question, graphically, and return the answer to the shell.
- E. It will allow users to specify long options for commands that normally only accept short options.

Correct Answer: B

Section: GNU and Unix Commands

Explanation**Explanation/Reference:**

appropriate.

QUESTION 15

Which of the following commands will send output from the program myapp to both standard output (stdout) and the file file1.log?

- A. `cat <myapp | cat > file1.log`
- B. `myapp 0>&1 | cat > file1.log`
- C. `myapp | cat > file1.log`
- D. `myapp | tee file1.log`
- E. `tee myapp file1.log`

Correct Answer: D

Section: GNU and Unix Commands

Explanation**Explanation/Reference:**

well defined.

QUESTION 16

What command line redirection characters instruct the shell to read from the current input source until a specific word, on a separate line and without any trailing spaces, is reached?

- A. <<
- B. <|
- C. !<
- D. &<

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

best answer.

QUESTION 17

Which command will show you the contents of a gzip compressed tar archive?

- A. gzip archive.tgz | tar xvf -
- B. tar ztf archive.tgz
- C. gzip -d archive.tgz | tar tvf -
- D. tar cf archive.tgz

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

identifiable

QUESTION 18

Once a shell variable has been created, how can the variable be removed from the environment?

- A. VAR=
- B. set -d VAR
- C. set -u VAR
- D. unset VAR

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 19

What is the purpose of the Bash built-in export command?

- A. To allow disks to be mounted remotely.
- B. To automate the export of variables for subsequently executed commands.
- C. To make the command history available to sub-shells.
- D. To run a command as a process in a sub-shell.
- E. To save variable settings for future shell invocations.

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 20

Which of the following is a limitation of the cut command?

- A. The cut command can only select output by field position.
- B. The cut command cannot reorder fields.
- C. The cut command only works on ASCII text.
- D. The cut command will always print one line of output for every line of input.

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 21

Which of the following commands will print the first few lines of a text file to the shell?

- A. cat -n 10 filename
- B. dump -n 10 filename
- C. head -n 10 filename

D. `print -n 10 filename`

Correct Answer: C

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 22

Which command will convert all tab characters in a file to spaces and print that to standard out?

- A. `convert`
- B. `expand`
- C. `retab`
- D. `untab`

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

actual answer.

QUESTION 23

In order to use the output of `ls` to overwrite a file called `bazz`, which of the following command lines would you use?

- A. `ls>bazz`
- B. `ls>&bazz`
- C. `ls&>bazz`
- D. `ls>>bazz`

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

properly answered.

QUESTION 24

In `bash`, inserting `2>&1` after a command redirects

- A. standard error to standard input.
- B. standard input to standard error.
- C. standard output to standard error.
- D. standard error to standard output.
- E. standard output to standard input.

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 25

Which signal is sent by the kill command by default?

- A. HUP(1)
- B. QUIT(3)
- C. KILL(9)
- D. TERM(15)

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

identifiable.

QUESTION 26

What command will display all of the background tasks running in the current shell?

- A. history
- B. jobs
- C. kill -l
- D. list

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 27

To ensure that a running process continues to execute after you log out, the process should be started with what command?

- A. live
- B. nohup
- C. saferun
- D. sh

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 28

Which of the following sed commands will replace all instances of the string foo with the string foobar changing the file file1.txt in place?

- A. sed 's/foo/foobar/g' file1.txt
- B. sed 's/foo/foobar/g' file1.txt > file1.txt
- C. sed 's/foo/foobar/g' file1.txt | file1.txt
- D. sed -i 's/foo/foobar/g' file1.txt
- E. sed -i 's/foo/foobar/g' file1.txt > file1.txt

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 29

When in Normal mode in vi, which command character will insert a blank line below the current cursor position and place the insert cursor at the beginning of the new line?

- A. a

- B. i
- C. n
- D. o

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

valid.

QUESTION 30

When in Normal mode in vi, which command character can be used to begin a reverse search of the text?

- A. ?
- B. /
- C. F
- D. r

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 31

What is the effect on the grep command when the -v option is used?

- A. It enables multi-line matching on the input.
- B. It is a shortcut for the vgrep command.
- C. It sets the verbose flag and increases the amount of information that is provided.
- D. It inverts the matching to select non-matching lines.

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 32

Which shell command is used to continue background execution of a suspended command?

- A. &
- B. bg
- C. cont
- D. exec
- E. :&

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

mentioned answer is updated.

QUESTION 33

Identify the proper device for the third partition on the only SCSI drive on the system.

- A. /dev/hda3
- B. /dev/sd0a3
- C. /dev/sda3
- D. /dev/sd1p3

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 34

You want the default permissions for your files to be -rw-r-----. Which is the most useful setting for umask below?

- A. 037
- B. 640
- C. 038
- D. 027

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 35

Which of the following Linux filesystems pre-allocates a fixed number of inodes at the filesystem's make/creation time, and does NOT generate them as needed?

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

Correct Answer: A

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 36

What does the Filesystem Hierarchy Standard enable? (Select TWO answers)

- A. software to predict the location of installed files and directories
- B. software to predict the ownership and access rights to files and directories
- C. users to predict the location of installed files and directories
- D. users to predict how the filesystem should be formatted according to need

Correct Answer: AC

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 37

You are trying to make a hard link to an ordinary file but ln returns an error. Which of the following could cause this?

- A. The source file is hidden.
- B. The source file is read-only.
- C. The source file is a shell script.
- D. You do not own the source file.
- E. The source and the target are on different filesystems.

Correct Answer: E

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

accurate.

QUESTION 38

Which command will create an ext3 filesystem on /dev/hda2?

- A. /sbin/mke2fs -d /dev/hda2
- B. /sbin/mke2fs -j /dev/hda2
- C. /sbin/mke2fs -m 3 /dev/hda2
- D. /sbin/mke2fs -c ext3 /dev/hda2

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 39

Which command will allow an administrator to adjust the number of mounts after which an existing filesystem will be checked by e2fsck?

- A. debugfs
- B. dumpe2fs
- C. mode2fs
- D. tune2fs
- E. mke2fs

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:****QUESTION 40**

To allow a regular user account to mount and unmount a filesystem (for instance, a cdrom or floppy), which option will need to be added to the corresponding line in `/etc/fstab`?

- A. `nouidchk`
- B. `alluser`
- C. `user`
- D. `auto`

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:****QUESTION 41**

After running the command `umount /mnt`, the following error message is displayed:

`umount: /mnt: device is busy.`

What is a common reason for this message?

- A. The kernel has not finished flushing disk writes to the mounted device.
- B. A user has a file open in the `/mnt` directory.
- C. The previous `rm` command has not finished.
- D. The files in `/mnt` have been scanned and added to the locate database.
- E. The kernel thinks that a process is about to open a file in `/mnt` for reading.

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:**

QUESTION 42

Which chown command will change the ownership to dave and the group to staff on a file named data.txt?

- A. chowndave/staff data.txt
- B. chown -u dave -g staff data.txt
- C. chown --user dave --group staff data.txt
- D. chowndave:staff data.txt

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 43

Which of the following commands enables the setuid (suid) permission on the executable called /bin/foo?

- A. chmod 1755 /bin/foo
- B. chmod 4755 /bin/foo
- C. chown u-s /bin/foo
- D. chmod 755+s /bin/foo

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 44

Which of the following is true when hard-linked files are present?

- A. The output of stat will report "hard" instead of "regular file"
- B. The hard-linked files may not be empty
- C. Both files will share the same inode
- D. Issuing a long directory listing with ls -l will indicate the link with "->"
- E. The file permissions will be prefixed by an "h", eg. hrwxr-xr-x

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard
Explanation

Explanation/Reference:

QUESTION 45

Which of the following commands can be used to locate programs and their corresponding man pages and configuration files?

- A. locate
- B. which
- C. find
- D. query
- E. whereis

Correct Answer: E

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard
Explanation

Explanation/Reference:

QUESTION 46

Which command can be used to display the inode number of a given file?

- A. fstat
- B. istat
- C. ls
- D. ps

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard
Explanation

Explanation/Reference:
definite answer.

QUESTION 47

You are experimenting with a binary in /tmp/foo.d that expects its configuration file at /etc/foo.conf. You don't want to save it there, but use a symbolic link to /tmp/foo.d/foo.conf instead. Which command would accomplish that?

- A. `ln -s /tmp/foo.d/foo.conf /etc/foo.conf`
- B. `ln /tmp/foo.d/foo.conf /etc/foo.conf`
- C. `ln -s /etc/foo.conf /tmp/foo.d/foo.conf`
- D. `ln /etc/foo.conf /tmp/foo.d/foo.conf`

Correct Answer: A

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 48

Which of the following commands is run last during boot on a system with quotas enabled?

- A. `fsck`
- B. `mount`
- C. `quotacheck`
- D. `quotaon`

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 49

Select the line that best represents what permissions the `/etc/passwd` file should have.

- A. `-rw----- 1 root root 531 Jun 5 22:45 /etc/passwd`
- B. `-rw-r--r-- 1 root root 531 Jun 5 22:45 /etc/passwd`
- C. `-rw-r--r-- 1 1 1 531 Jun 5 22:45 /etc/passwd`
- D. all answers listed are not correct
- E. all answers listed are correct

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:
meaningful answer.

QUESTION 50

You have read/write permission on an ordinary file foo. You have just run `ln foo bar`. What would happen if you ran `rm foo`?

- A. foo and bar would both be removed.
- B. foo would be removed while bar would remain accessible.
- C. foo would be removed. bar would still exist but would be unusable.
- D. Both foo and bar would remain accessible.
- E. You would be asked whether bar should be removed.

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard
Explanation

Explanation/Reference:
outclass.

QUESTION 51

Which utility would you use to change how often a filesystem check is performed on an EXT2 filesystem (without losing any data stored on that filesystem)?

- A. mod2fs
- B. fsck
- C. tune2fs
- D. mke2fs
- E. fixe2fs

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard
Explanation

Explanation/Reference:

QUESTION 52

Which of the following commands will print the inode usage on each mounted filesystem?

- A. `du -i`

- B. df -i
- C. lsfs -i
- D. printfsi

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 53

What does the command mount -a do?

- A. It mounts the floppy disk for all users.
- B. It shows all mounted file systems.
- C. It opens /etc/fstab to edit.
- D. It mounts all file systems listed in /etc/fstab.

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 54

Instead of supplying an explicit device in /etc/fstab for mounting, what other options may be used to identify the intended partition? (Select TWO correct answers)

- A. FIND
- B. ID
- C. LABEL
- D. NAME
- E. UUID

Correct Answer: CE

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 55

What effect does the sticky bit have when set on a directory?

- A. There is no effect because the sticky bit has been deprecated in Linux.
- B. It provides a hint to the kernel that files in this directory should be cached in memory, if possible.
- C. It restricts deletion of files in this directory to only the root user and the file owner regardless of write permissions for other users.
- D. It instructs the kernel to keep the underlying data for the files in the directory intact to allow for undeletion of important files.

Correct Answer: C

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 56

Identify the proper device for the second partition on the only SCSI drive on the system.

- A. /dev/hda1
- B. /dev/sda2
- C. /dev/sd0a2
- D. /dev/sd1p2

Correct Answer: B

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

outstanding answer.

QUESTION 57

Which of the following commands will print the amount of disk space used by files specified on the command line?

- A. dc
- B. dd
- C. df
- D. du

Correct Answer: D

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

genuine answer.

QUESTION 58

Which command will display messages from the kernel that were output during the normal bootup sequence?

Correct Answer: dmesg, /bin/dmesg

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 59

The system configuration file named _____ is commonly used to set the default runlevel. (Please provide the file name with full path information)

Correct Answer: /etc/inittab

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 60

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel?

Correct Answer: cmdline, /proc/cmdline

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 61

You suspect that a new ethernet card might be conflicting with another device. Which file should you check within the /proc tree to learn which IRQs are being used by which kernel drivers?

Correct Answer: interrupts, /proc/interrupts

Section: System Architecture**Explanation****Explanation/Reference:****QUESTION 62**

The USB device filesystem can be found under /proc/_____/usb/. (Please fill in the blank with the single word only)

Correct Answer: bus

Section: System Architecture**Explanation****Explanation/Reference:****QUESTION 63**

Which command displays the contents of the Kernel Ring Buffer on the command line? (Provide only the command name without any options or path information)

Correct Answer: dmesg, /bin/dmesg

Section: System Architecture**Explanation****Explanation/Reference:****QUESTION 64**

To prevent users from being able to fill up the / partition, the _____ directory should be on a separate partition if possible because it is world writeable.

Correct Answer: /tmp, tmp

Section: Linux Installation and Package Management**Explanation****Explanation/Reference:****QUESTION 65**

In which directory must definition files be placed to add additional repositories to yum?

Correct Answer: /etc/yum.repos.d, /etc/yum.repos.d/, yum.repos.d, yum.repos.d/

Section: Linux Installation and Package Management

Explanation**Explanation/Reference:****QUESTION 66**

An administrator has issued the following command:

```
grub-install --root-directory=/custom-grub /dev/sda
```

In which directory will new configuration files be found? (Provide the full directory path only without the filename)

Correct Answer: /custom-grub/boot/grub/, /custom-grub/boot/grub

Section: Linux Installation and Package Management

Explanation**Explanation/Reference:****QUESTION 67**

The /etc/_____ file lists currently mounted devices.

Correct Answer: Answer: mtab

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:****QUESTION 68**

Which command is used to enable disk quotas on a particular filesystem? (Provide only the command, with no options or parameters)

Correct Answer: Answer: quotaon, /sbin/quotaon

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:****QUESTION 69**

You have written a custom tool on your local system. Following the Filesystem Hierarchy Standard (FHS), where should you install the binaries to be available to all users on your system?

Correct Answer: Answer: /usr/local/bin, /usr/local/bin/

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 70

You want to display all currently mounted file systems. Which command would you use? (Please enter only the command without arguments or options)

Correct Answer: Answer: mount, /bin/mount, df, /bin/df

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 71

_____ /dev/sda3 will create a swap area on the device /dev/sda3.

Correct Answer: Answer: /sbin/mkswap, mkswap

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 72

What umask value will result in the default access permissions of 600 (rw-----) for files and 700 (rwx-----) for directories? (Provide only the numerical umask value)

Correct Answer: Answer: 0077, 077

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation

Explanation/Reference:

QUESTION 73

Which program updates the database that is used by the locate command?

Correct Answer: Answer: updatedb, /usr/bin/updatedb

Section: Devices, Linux Filesystems, Filesystem Hierarchy Standard

Explanation**Explanation/Reference:****QUESTION 74**

What is the process ID number of the init program?

- A. -1
- B. 0
- C. 1
- D. It is different with each reboot.
- E. It is set to the current run level.

Correct Answer: C

Section: System Architecture

Explanation**Explanation/Reference:****QUESTION 75**

The message "Hard Disk Error" is displayed on the screen during Stage 1 of the GRUB boot process. What does this indicate?

- A. The kernel was unable to execute /bin/init
- B. The next Stage cannot be read from the hard disk because GRUB was unable to determine the size and geometry of the disk
- C. One or more of the filesystems on the hard disk has errors and a filesystem check should be run
- D. The BIOS was unable to read the necessary data from the Master Boot Record to begin the boot process

Correct Answer: B

Section: System Architecture

Explanation**Explanation/Reference:****QUESTION 76**

Which of the following commands will load a kernel module along with any required dependency modules?

- A. depmod

- B. insmod
- C. modprobe
- D. module_install
- E. loadmod

Correct Answer: C

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 77

Which command will disable paging and swapping on a device? (Provide only the command with no additional options or parameters)

Correct Answer: Answer: swapoff, /sbin/swapoff

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 78

What command will print the shared libraries for the file /usr/lib/libpng12.so? (Provide the full command with library name but without any other options or parameters)

Correct Answer: Answer: /usr/bin/ldd /usr/lib/libpng12.so, ldd /usr/lib/libpng12.so

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 79

Typically, which top level system directory is used for files and data that change regularly while the system is running and are to be kept between reboots? (Specify only the top level directory)

Correct Answer: Answer: /var, /var/, var, var/

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 80

The priority of any process can range from -20 to _____. (Provide only the numerical value)

Correct Answer: Answer: 19, +19

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 81

You've downloaded an image file of a boot floppy disk to your hard drive. What is the best utility to create a boot floppy from the disk image? (Specify a single command without options.)

Correct Answer: Answer: dd, /bin/dd

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 82

In the vi editor, what vi command will copy (but not paste) from the current line at the cursor and the following 16 lines (17 lines total)? Enter the correct vi command without spaces.

Correct Answer: Answer: 17y, 17yy, 17YY, 17Y

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 83

To change the priority of a running process, you use the ____ command. (Specify command only with no options.)

Correct Answer: Answer: renice, /usr/bin/renice

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 84

Which of the following commands can be used to perform a full text search on all available packages on a Debian system?

- A. apt
- B. apt-cache
- C. apt-get
- D. apt-search
- E. dpkg

Correct Answer: B

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 85

To what environment variable will you assign or append a value if you need to tell the dynamic linker to look in a build directory for some of a program's shared libraries?

- A. LD_LOAD_PATH
- B. LD_LIB_PATH
- C. LD_LIBRARY_PATH
- D. LD_SHARE_PATH
- E. LD_RUN_PATH

Correct Answer: C

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 86

Which RPM command will output the name of the package which installed the file /etc/exports?

- A. rpm -F /etc/exports
- B. rpm -qf /etc/exports
- C. rpm -KI /etc/exports

- D. rpm -qp /etc/exports
- E. rpm -qi /etc/exports

Correct Answer: B

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 87

Which of the following commands can be used to enable a file for paging and swapping?

- A. mkswap
- B. swapon
- C. inswap
- D. modswap

Correct Answer: B

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 88

Which of the following apt-get commands will install the newest versions of all currently installed packages without removing any packages or installing new packages that are not already installed?

- A. auto-update
- B. upgrade
- C. dist-upgrade
- D. install
- E. update

Correct Answer: B

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 89

What is the difference between the --remove and the --purge action with the dpkg command?

- A. --remove removes the program, --purge also removes the config files
- B. --remove only removes the program, --purge only removes the config files
- C. --remove removes a package, --purge also removes all packages dependent on it
- D. --remove removes only the package file itself, --purge removes all files related to the package

Correct Answer: A

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

nice.

QUESTION 90

How can you update a package only if an earlier version is currently installed on the system?

- A. rpm --update rpmname
- B. rpm -U rpmname
- C. rpm -F rpmname
- D. rpm --force rpmname
- E. rpm -u rpmname

Correct Answer: C

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 91

You want to preview where the package file, apache.xml.i386.rpm, will install its files before installing it. What command do you issue?

- A. rpm -qp apache.xml.i386.rpm
- B. rpm -qv apache.xml.i386.rpm
- C. rpm -ql apache.xml.i386.rpm
- D. rpm -qpl apache.xml.i386.rpm

Correct Answer: D

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 92

What command will uninstall a package but leave its configuration files in case a package is re- installed?

- A. none, no command will do this
- B. dpkg -s pkgname
- C. dpkg -L pkgname
- D. dpkg -P pkgname
- E. dpkg -r pkgname

Correct Answer: E

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 93

During a system boot cycle, what is the program that is run after the BIOS completes its tasks?

- A. The bootloader
- B. The inetd program
- C. The init program
- D. The kernel

Correct Answer: A

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 94

You are having some trouble with a disk partition and you need to do maintenance on this partition but your users home directories are on it and several

are logged in. Which command would disconnect the users and allow you to safely execute maintenance tasks?

- A. telinit 1
- B. shutdown -r now
- C. killall -9 inetd
- D. /bin/netstop --maint
- E. /etc/rc.d/init.d/network stop

Correct Answer: A

Section: System Architecture

Explanation

Explanation/Reference:

rightful answer.

QUESTION 95

Which configuration file should be modified to disable the ctrl-alt-delete key combination?

- A. /etc/keys
- B. /proc/keys
- C. /etc/inittab
- D. /proc/inittab
- E. /etc/reboot

Correct Answer: C

Section: System Architecture

Explanation

Explanation/Reference:

QUESTION 96

The system is having trouble and the engineer wants to bypass the usual /sbin/init start up and run /bin/sh. What is the usual way to pass this change to the kernel from your boot loader?

- A. Start in runlevel 1.
- B. Pass init=/bin/sh on the kernel parameter line.
- C. Pass /bin/sh on the kernel parameter line.
- D. Pass start=/bin/sh on the kernel parameter line.

Correct Answer: B
Section: System Architecture
Explanation

Explanation/Reference:

QUESTION 97

Which of the following commands will write a message to the terminals of all logged in users?

- A. bcast
- B. mesg
- C. print
- D. wall
- E. yell

Correct Answer: D
Section: System Architecture
Explanation

Explanation/Reference:

QUESTION 98

You are having some trouble with a disk partition and you need to do maintenance on this partition but your users home directories are on it and several are logged in. Which command would disconnect the users and allow you to safely execute maintenance tasks?

- A. halt 1
- B. init 1
- C. logout --all now
- D. runlevel 1
- E. shutdown --maintenance now

Correct Answer: B
Section: System Architecture
Explanation

Explanation/Reference:

QUESTION 99

The dpkg-_____ command will ask configuration questions for a specified package, just as if the package were being installed for the first time.

Correct Answer: reconfigure

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 100

Given the following output:

```
prompt>myapp  
[1]+ Stoppedmyapp  
prompt>
```

Which of the following commands will resume executing the stopped process and make it the current job?

- A. bgmyapp
- B. continue myapp
- C. exec myapp
- D. fgmyapp
- E. myapp&

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 101

When should grep -F or the fgrep command be used to search the content of text files?

- A. When files need to be searched that contain non-ASCII text.
- B. When only the presence of the search pattern needs to be reported and not every line that matches the search.
- C. When the text being searched for does not contain any regular expression patterns.
- D. When the text files will be searched multiple times. Subsequent calls to fgrep will run faster.

Correct Answer: C

Section: GNU and Unix Commands

Explanation**Explanation/Reference:****QUESTION 102**

In compliance with the FHS, in which of the directories are man pages typically found?

- A. /usr/share/man
- B. /opt/man
- C. /usr/doc/
- D. /var/pkg/man
- E. /usr/local/man

Correct Answer: A

Section: GNU and Unix Commands

Explanation**Explanation/Reference:****QUESTION 103**

In the command `foo < bar | foobar`, which ONE of the following statements is correct?

- A. The stdout from the command `foobar` is saved to the file `foo`.
- B. The stdout from the command `foo` is saved to the file `foobar`.
- C. The command `foobar` receives its stdin from the stderr of `foo`.
- D. The command `foobar` receives its stdin from the stdout of `foo`.
- E. The command `bar` receives its stdin from the contents of the file `foobar`.

Correct Answer: D

Section: GNU and Unix Commands

Explanation**Explanation/Reference:****QUESTION 104**

You have created a long letter and after you are done you notice that you used the name "Bob" many times but you forgot to capitalize it in many instances. Which command would replace "bob" with "Bob" in all instances and generate a new letter for printing?

- A. sed '/bob/Bob' letter >newletter
- B. sed s/bob/Bob/ letter <newletter
- C. sed 's/bob/Bob' letter >newletter
- D. sed 's/bob/Bob/g' letter >newletter
- E. sed 's/bob, Bob/' letter >newletter

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 105

Which file should be edited to select the network locations from which Debian installation package files are loaded?

- A. /etc/dpkg/dpkg.cfg
- B. /etc/apt/apt.conf
- C. /etc/apt/apt.conf.d
- D. /etc/apt/sources.list
- E. /etc/dpkg/dselect.cfg

Correct Answer: D

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 106

You are writing text in vi. Now you want to save your changes and exit. Which TWO sequence of inputs will accomplish this?

- A. esc ZZ
- B. ctrl :w!
- C. esc zz
- D. esc :wq!
- E. ctrl XX

Correct Answer: AD
Section: GNU and Unix Commands
Explanation

Explanation/Reference:

QUESTION 107

Bob accidentally created the subdirectory \bobsdir in his home directory. He tried to remove the subdirectory with the command `rmdir \bobsdir` only to receive the error, "No such file or directory." . Which command will remove the directory?

- A. `rmdir '~bob/\bobsdir'`
- B. `rmdir "~bob/\bobsdir"`
- C. `rmdir ~bob/'bobsdir'`
- D. `rmdir ~bob/\bobsdir`
- E. `rmdir ~bob//\bobsdir`

Correct Answer: E
Section: GNU and Unix Commands
Explanation

Explanation/Reference:

QUESTION 108

Pressing the Ctrl-C combination on the keyboard while a command is executing in the foreground sends which of following signal codes?

- A. 1 (SIGHUP)
- B. 2 (SIGINT)
- C. 3 (SIGQUIT)
- D. 9 (SIGKILL)
- E. 15 (SIGTERM)

Correct Answer: B
Section: GNU and Unix Commands
Explanation

Explanation/Reference:

QUESTION 109

Which directory contains additional information about installed packages?

- A. /usr/share/documentation
- B. /usr/local/share/documentation
- C. /usr/local/doc
- D. /usr/share/doc
- E. /usr/packages/doc

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 110

What is the default process priority when a process is started using the nice command?

- A. -10
- B. 10
- C. 20
- D. 0

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 111

Which of the following commands will NOT execute the bash script /usr/local/bin/runme.sh?

- A. source /usr/local/bin/runme.sh
- B. ./usr/local/bin/runme.sh
- C. /bin/bash /usr/local/bin/runme.sh
- D. /usr/local/bin/runme.sh
- E. run /usr/local/bin/runme.sh

Correct Answer: E

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 112

Which of the following commands will NOT update the Modify timestamp on the file /tmp/myfile.txt?

- A. file /tmp/myfile.txt
- B. echo "Hello" >/tmp/myfile.txt
- C. sed -ie "s/1/2/" /tmp/myfile.txt
- D. echo -n "Hello" >/tmp/myfile.txt
- E. touch /tmp/myfile.txt

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

exact answer.

QUESTION 113

Which of the following commands will print important system information such as the kernel version and machine hardware name?

- A. sysinfo
- B. uname
- C. lspci
- D. arch
- E. info

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 114

What is the name of the main configuration file for GRUB? (Please specify the file name with no path information)

Correct Answer: Answer: menu.lst, grub.conf, grub.cfg

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

Best answer.

QUESTION 115

What option, when passed to the yum command, will update the entire system? (Specify ONLY the option name with no additional parameters)

Correct Answer: update, upgrade

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 116

Which of the following statements is a TRUE difference between GRUB Legacy and GRUB 2?

- A. GRUB 2 no longer requires a configuration file.
- B. Partition numbers start at 0 in GRUB Legacy and 1 in GRUB 2.
- C. grub-mkconfig only works with GRUB Legacy if the --version 1 option is used.
- D. The configuration file menu.lst (and grub.conf) have been replaced with grub.config.

Correct Answer: B

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 117

The GRUB_TIMEOUT parameter specifies a timeout period when booting in what unit of time?

- A. milliseconds
- B. tenths of seconds
- C. seconds
- D. minutes

Correct Answer: C

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 118

Which command is used to query information about the available packages on a Debian system?

- A. apt-cache
- B. apt-get
- C. apt-search
- D. dpkg
- E. dpkg-search

Correct Answer: A

Section: Linux Installation and Package Management

Explanation

Explanation/Reference:

QUESTION 119

Which of the following explanations are valid reasons to run a command in the background of your shell?

- A. The command does not need to execute immediately.
- B. The command has to run immediately but the user needs to log out.
- C. The system is being shut down and the command needs to restart execution immediately after the reboot.
- D. The command can run at a lower priority than normal commands run on the command line.

Correct Answer: B

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 120

What does the + symbol mean in the following grep regular expression:

grep '^d[aei]\+d\$' /usr/share/dict/words

- A. Match the preceding character set ([aei]) one or more times.
- B. Match the preceding character set ([aei]) zero or more times.
- C. Match the preceding character set ([aei]) zero or one times.
- D. Match a literal + symbol.

Correct Answer: A

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

QUESTION 121

While editing a file in vi, the file changes due to another process. Without exiting vi, how can the file be reopened for editing with the new content?

- A. :r
- B. :n
- C. :w
- D. :e

Correct Answer: D

Section: GNU and Unix Commands

Explanation

Explanation/Reference:

suitable.