



LPI

Exam Questions 101-500

LPIC-1 Exam 101 - Part 1 of 2 - version 5.0

NEW QUESTION 1

- (Exam Topic 1)

What is the first program that is usually started, at boot time, by the Linux kernel when using SysV init?

- A. /lib/init.so
- B. /sbin/init
- C. /etc/rc.d/rcinit
- D. /proc/sys/kernel/init
- E. /boot/init

Answer: B

NEW QUESTION 2

- (Exam Topic 1)

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

Answer: D

NEW QUESTION 3

- (Exam Topic 1)

Which SysV init 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

Answer: C

NEW QUESTION 4

- (Exam Topic 1)

Which of the following kernel parameters instructs the kernel to suppress most boot messages?

- A. silent
- B. verbose=0
- C. nomsg
- D. quiet

Answer: D

NEW QUESTION 5

- (Exam Topic 1)

Which of the following commands brings a system running SysV init into a state in which it is safe to perform maintenance tasks? (Choose TWO correct answers.)

- A. shutdown -R 1 now
- B. shutdown -single now
- C. init 1
- D. telinit 1
- E. runlevel 1

Answer: CD

NEW QUESTION 6

- (Exam Topic 1)

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)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

dmesg, /bin/dmesg

NEW QUESTION 7

- (Exam Topic 1)

Which run levels should never be declared as the default run level when using SysV init? (Choose TWO correct answers.)

- A. 1
- B. 3
- C. 5
- D. 6

Answer: AE

NEW QUESTION 8

- (Exam Topic 1)

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel? (Specify the file name only without any path.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

cmdline, /proc/cmdline

NEW QUESTION 9

- (Exam Topic 1)

Which of the following are init systems used within Linux systems? (Choose THREE correct answers.)

- A. startd
- B. systemd
- C. Upstart
- D. SysInit
- E. SysV init

Answer: BCE

NEW QUESTION 10

- (Exam Topic 2)

Which command will disable swapping on a device? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

swapoff, /sbin/swapoff

NEW QUESTION 10

- (Exam Topic 2)

What is the name of the main configuration file for GNU GRUB? (Specify the file name only without any path.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

menu.lst, grub.conf, grub.cfg

NEW QUESTION 14

- (Exam Topic 2)

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/etc/yum.repos.d, /etc/yum.repos.d/, yum.repos.d, yum.repos.d/

NEW QUESTION 18

- (Exam Topic 2)

Which of the following commands lists the dependencies of a given dpkg package?

- A. apt-cache depends-onpackage
- B. apt-cache dependencies package
- C. apt-cache depends package
- D. apt-cache requires package

Answer: C

NEW QUESTION 23

- (Exam Topic 2)

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

reconfigure

NEW QUESTION 28

- (Exam Topic 2)

Which Debian package management tool asks the configuration questions for a specific already installed package just as if the package were being installed for the first time? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

dpkg-reconfigure

NEW QUESTION 30

- (Exam Topic 2)

Which of the following commands overwrites the bootloader located on /dev/sda without overwriting the partition table or any data following it?

- A. dd if=/dev/zero of=/dev/sda bs=512
- B. dd if=/dev/zero of=/dev/sda bs=512 count=1
- C. dd if=/dev/zero of=/dev/sda bs=440 count=1
- D. dd if=/dev/zero of=/dev/sda bs=440

Answer: C

NEW QUESTION 35

- (Exam Topic 2)

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

Answer: D

NEW QUESTION 36

- (Exam Topic 2)

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/tmp, tmp

NEW QUESTION 38

- (Exam Topic 2)

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

Answer: A

NEW QUESTION 40

- (Exam Topic 2)

Which of the following commands is used to update the list of available packages when using dpkg based package management?

- A. apt-get update
- B. apt-get upgrade
- C. apt-cache update
- D. apt-get refresh
- E. apt-cache upgrade

Answer: A

NEW QUESTION 44

- (Exam Topic 2)

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)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/custom-grub/boot/grub/, /custom-grub/boot/grub

NEW QUESTION 47

- (Exam Topic 2)

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

Answer: B

NEW QUESTION 49

- (Exam Topic 2)

When removing a package, which of the following dpkg options will completely remove the files including configuration files?

- A. --clean
- B. --delete
- C. --purge
- D. --remove

Answer: C

NEW QUESTION 51

- (Exam Topic 2)

When using rpm --verify to check files created during the installation of RPM packages, which of the following information is taken into consideration? (Choose THREE correct answers.)

- A. Timestamps
- B. MD5 checksums
- C. Inodes
- D. File sizes
- E. GnuPG signatures

Answer: ABD

NEW QUESTION 55

- (Exam Topic 2)

Which world-writable directory should be placed on a separate partition in order to prevent users from being able to fill up the / filesystem? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/tmp, tmp,/var/tmp, /tmp/, /var/tmp/

NEW QUESTION 58

- (Exam Topic 2)

What can the Logical Volume Manager (LVM) be used for? (Choose THREE correct answers.)

- A. To create RAID 9 arrays.
- B. To dynamically change the size of logical volumes.
- C. To encrypt logical volumes.
- D. To create snapshots.
- E. To dynamically create or delete logical volumes.

Answer: BDE

NEW QUESTION 62

- (Exam Topic 2)

Which of the following commands updates the linker cache of shared libraries?

- A. mkcache
- B. soconfig
- C. mkldconfig
- D. lddconfig
- E. ldconfig

Answer: E

NEW QUESTION 66

- (Exam Topic 3)

What happens after issuing the command vi without any additional parameters?

- A. vi starts and loads the last file used and moves the cursor to the position where vi was when it last exited.
- B. vi starts and requires the user to explicitly either create a new or load an existing file.
- C. vi exits with an error message as it cannot be invoked without a file name to operate on.
- D. vi starts in command mode and opens a new empty file.
- E. vi starts and opens a new file which is filled with the content of the vi buffer if the buffer contains text.

Answer: D

NEW QUESTION 67

- (Exam Topic 3)

Which of the following commands can be used to determine how long the system has been running? (Choose TWO correct answers.)

- A. uptime
- B. up
- C. top
- D. uname -u
- E. time -up

Answer: AC

NEW QUESTION 70

- (Exam Topic 3)

When given the following command line. echo "foo bar" | tee bar | cat

Which of the following output is created?

- A. cat
- B. foo bar
- C. tee bar
- D. bar
- E. foo

Answer: B

NEW QUESTION 74

- (Exam Topic 3)

Which of the following commands determines the type of a file by using a definition database file which contains information about all common file types?

- A. magic
- B. type
- C. file
- D. pmagic
- E. hash

Answer: C

NEW QUESTION 79

- (Exam Topic 3)

Which of the following commands displays 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

Answer: B

NEW QUESTION 80

- (Exam Topic 3)

In Bash, inserting 1>&2 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.

Answer: C

NEW QUESTION 81

- (Exam Topic 3)

Which variable defines the directories in which a Bash shell searches for executable commands?

- A. BASHEXEC
- B. BASHRC
- C. PATH
- D. EXECPATH
- E. PATHRC

Answer: C

NEW QUESTION 86

- (Exam Topic 3)

Which grep command will print only the lines that do not end with a / in the file foo?

- A. grep '\$' foo
- B. grep '/'#' foo
- C. grep -v '\$' foo
- D. grep -v '/'#' foo

Answer: C

NEW QUESTION 90

- (Exam Topic 3)

Which of the following files, located in the user home directory, is used to store the Bash history?

- A. .bash_history
- B. .bash_histfile
- C. .history
- D. .bashrc_history
- E. .history_bash

Answer: A

NEW QUESTION 94

- (Exam Topic 3)

Which of the following commands moves and resumes in the background the last stopped shell job?

- A. run
- B. bg
- C. fg
- D. back

Answer: B

NEW QUESTION 99

- (Exam Topic 3)

What command will generate a list of user names from /etc/passwd along with their login shell?

- A. column -s : 1,7 /etc/passwd
- B. chop -c 1,7 /etc/passwd
- C. colrm 1,7 /etc/passwd
- D. cut -d: -f1,7 /etc/passwd

Answer: D

NEW QUESTION 101

- (Exam Topic 3)

What is the effect of the egrep command when the -v option is used?

- A. It enables color to highlight matching parts.
- B. It only outputs non-matching lines.
- C. It shows the command's version information.
- D. It changes the output order showing the last matching line first.

Answer: B

NEW QUESTION 104

- (Exam Topic 3)

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

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

Answer: A

NEW QUESTION 109

- (Exam Topic 3)

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

- A. -10
- B. 10
- C. 20

Answer: B

NEW QUESTION 113

- (Exam Topic 3)

Which of the following commands replaces each occurrence of 'bob' in the file letter with 'Bob' and writes the result to the file newsletter?

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

Answer: D

NEW QUESTION 116

- (Exam Topic 3)

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

Answer: D

NEW QUESTION 120

- (Exam Topic 3)

In the vi editor, how can commands such as moving the cursor or copying lines into the buffer be issued multiple times or applied to multiple rows?

- A. By using the command :repeat followed by the number and the command.
- B. By specifying the number right in front of a command such as 4l or 2yj.
- C. By selecting all affected lines using the shift and cursor keys before applying the command.
- D. By issuing a command such as :set repetition=4 which repeats every subsequentcommand 4 times.

Answer: B

NEW QUESTION 124

- (Exam Topic 3)

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

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

Answer: B

NEW QUESTION 125

- (Exam Topic 3)

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

- A. It allows disks to be mounted remotely.
- B. It runs a command as a process in a subshell.
- C. It makes the command history available to subshells.
- D. It sets up environment variables for applications.
- E. It shares NFS partitions for use by other systems on the network.

Answer: D

NEW QUESTION 127

- (Exam Topic 3)

Which of the following characters can be combined with a separator string in order to read from the current input source until the separator string, which is on a separate line and without any trailing spaces, is reached?

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

Answer: A

NEW QUESTION 130

- (Exam Topic 3)

Which of the following commands can be used to create a USB storage media from a disk image?

- A. gdisk
- B. dd
- C. cc
- D. fdisk
- E. mount

Answer: B

NEW QUESTION 132

- (Exam Topic 3)

When running the command

```
sed -e "s/a/b/" /tmp/file >/tmp/file
```

While /tmp/file contains data, why is /tmp/file empty afterwards?

- A. The file order is incorrec
- B. The destination file must be mentioned before the command to ensure redirection.
- C. The command sed did not match anything in that file therefore the output is empty.
- D. When the shell establishes the redirection it overwrites the target file before the redirected command starts and opens itfor reading.
- E. Redirection for shell commands do not work using the > characte
- F. It only works using the | character instead.

Answer: C

NEW QUESTION 136

- (Exam Topic 3)

A user accidentally created the subdirectory \dir in his home directory. Which of the following commands will remove that directory?

- A. rmdir '~\dir'
- B. rmdir "~\dir"
- C. rmdir ~/'dir'
- D. rmdir ~\dir
- E. rmdir ~\dir

Answer: E

NEW QUESTION 137

- (Exam Topic 3)

Regarding the command: nice -5 /usr/bin/prog

Which of the following statements is correct?

- A. /usr/bin/prog is executed with a nice level of -5.
- B. /usr/bin/prog is executed with a nice level of 5.
- C. /usr/bin/prog is executed with a priority of -5.
- D. /usr/bin/prog is executed with a priority of 5.

Answer: B

NEW QUESTION 142

- (Exam Topic 3)

Immediately after deleting 3 lines of text in vi and moving the cursor to a different line, which single character command will insert the deleted content below the

current line?

- A. i (lowercase)
- B. P (uppercase)
- C. p (lowercase)
- D. U (uppercase)
- E. u (lowercase)

Answer: C

NEW QUESTION 147

- (Exam Topic 3)

When starting a program with the nice command without any additional parameters, which nice level is set for the resulting process?

- A. -10
- B. 10
- C. 20

Answer: C

NEW QUESTION 151

- (Exam Topic 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 morethan 5% of the size of the original file.

Answer: B

NEW QUESTION 155

- (Exam Topic 3)

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.

Answer: E

NEW QUESTION 156

- (Exam Topic 3)

Which character, added to the end of a command, runs that command in the background as a child process of the current shell?

- A. !
- B. +
- C. &
- D. %
- E. #

Answer: C

NEW QUESTION 158

- (Exam Topic 4)

Following the Filesystem Hierarchy Standard (FHS), where should binaries that have been compiled by the system administrator be placed in order to be made available to all users on the system?

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/usr/local/bin/

NEW QUESTION 159

- (Exam Topic 4)

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

Answer: C

NEW QUESTION 161

- (Exam Topic 4)

Which of the following commands is used to change metadata and options for ext3 filesystems?

- A. mod3fs
- B. tune3fs
- C. mod2fs
- D. tune2fs
- E. dump2fs

Answer: D

NEW QUESTION 163

- (Exam Topic 4)

What does the command mount -a do?

- A. It mounts all available filesystems onto the current directory.
- B. It shows all mounted filesystems.
- C. It mounts all user mountable filesystems for the current user.
- D. It mounts all filesystems listed in /etc/fstab which have the option auto set.
- E. It mounts all filesystems listed in /etc/fstab which have the option noauto set.

Answer: D

NEW QUESTION 167

- (Exam Topic 4)

In order to display all currently mounted filesystems, which of the following commands could be used? (Choose TWO correct answers.)

- A. cat /proc/self/mounts
- B. free
- C. mount
- D. ls mounts
- E. cat /proc/filesystems

Answer: AC

NEW QUESTION 170

- (Exam Topic 4)

After moving data to a new filesystem, how can the former path of the data be kept intact in order to avoid reconfiguration of existing applications? (Choose TWO correct answers.)

- A. By creating an ACL redirection from the old to the new path of the data.
- B. By creating a hard link from the old to the new path of the data.
- C. By creating a symbolic link from the old to the new path of the data.
- D. By running the command touch on the old path.
- E. By mounting the new filesystem on the original path of the data.

Answer: CE

NEW QUESTION 175

- (Exam Topic 4)

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

- A. dirname
- B. which
- C. basename
- D. query
- E. whereis

Answer: E

NEW QUESTION 180

- (Exam Topic 4)

After successfully creating a hard link called bar to the ordinary file foo, foo is deleted from the filesystem. Which of the following describes the resulting situation?

- A. foo and bar would both be removed.
- B. foo would be removed while bar would remain accessible.
- C. foo would be removed
- D. bar would still exist but would be unusable.
- E. Both foo and bar would remain accessible.
- F. The user is prompted whether bar should be removed, too.

Answer: B

NEW QUESTION 184

- (Exam Topic 4)

What is the purpose of the Filesystem Hierarchy Standard?

- A. It is a security model used to ensure files are organized according to their permissions and accessibility.
- B. It provides unified tools to create, maintain and manage multiple filesystems in a common way.
- C. It defines a common internal structure of inodes for all compliant filesystems.
- D. It is a distribution neutral description of locations of files and directories.

Answer: D

NEW QUESTION 186

- (Exam Topic 4)

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

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

Answer: B

NEW QUESTION 189

- (Exam Topic 4)

Which of the following statements is correct for a command line ending with a & character?

- A. The command's output is redirected to /dev/null.
- B. The result of the command defines if the next command will be run.
- C. The command is run in background of the current shell.
- D. The command is run as a direct child of the init process.

Answer: C

NEW QUESTION 190

- (Exam Topic 4)

Which of the following commands prints a list of available package updates when using RPM-based package management?

- A. `dpkg list`
- B. `yum list`
- C. `dpkg check-update`
- D. `yum check-update`
- E. `yum list-update`

Answer: D

NEW QUESTION 193

- (Exam Topic 4)

Which utility would be used 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`

Answer: C

NEW QUESTION 195

- (Exam Topic 4)

Which of the following commands changes the ownership of file.txt to the user dan and the group staff?

- A. `chown dan/staff file.txt`
- B. `chown dan:staff file.txt`
- C. `chown -u dan -g staff file.txt`
- D. `chown dan -g staff file.txt`

Answer: B

NEW QUESTION 198

- (Exam Topic 4)

Which command creates a swap space on a block device or a file? (Specify ONLY the command without any path or parameters.)

- A. `Mastered`
- B. `Not Mastered`

Answer: A

Explanation:

mkswap

NEW QUESTION 202

- (Exam Topic 4)

Which type of filesystem is created by mkfs when it is executed with the block device name only and without any additional parameters?

- A. ext2
- B. ext3
- C. ext4
- D. XFS
- E. VFAT

Answer: A

NEW QUESTION 203

- (Exam Topic 4)

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 cannot use different input and output delimiters.

Answer: B

NEW QUESTION 208

- (Exam Topic 4)

Which of the following commands changes all occurrences of the word “bob” in file data to “Bob” and prints the result to standard output?

- A. sed '/bob/Bob' data
- B. sed 's/bob/Bob/g' data
- C. sed 's/bob/Bob/' data
- D. sed '/bob/Bob/' data
- E. sed 's/bob,Bob/' data

Answer: B

NEW QUESTION 209

- (Exam Topic 4)

Which of the following commands converts spaces in a file to tab characters and prints the result to standard output?

- A. iconv
- B. expand
- C. unexpand
- D. tab

Answer: C

NEW QUESTION 211

- (Exam Topic 4)

Which of the following commands will change the quota for a specific user?

- A. edquota
- B. repquota
- C. quota -e
- D. quota

Answer: A

NEW QUESTION 215

- (Exam Topic 4)

Creating a hard link to an ordinary file returns an error. What could be the reason for this?

- A. The source file is hidden.
- B. The source file is read-only.
- C. The source file is a shell script.
- D. The source file is already a hard link.
- E. The source and the target are on different filesystems.

Answer: E

NEW QUESTION 219

- (Exam Topic 4)

Which of the following commands makes /bin/foo executable by everyone but writable only by its owner?

- A. chmod u=rwx,go=rx /bin/foo
- B. chmod o+rwx,a+rx /bin/foo
- C. chmod 577 /bin/foo
- D. chmod 775 /bin/foo

Answer: A

NEW QUESTION 223

- (Exam Topic 4)

How can the list of files that would be installed by the RPM package file apache.xml.rpm be previewed?

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

Answer: D

NEW QUESTION 227

- (Exam Topic 4)

When using regular expressions, which of the following characters match the beginning of a line?

- A. ^
- B. ?
- C. *
- D. +
- E. \$

Answer: A

NEW QUESTION 229

- (Exam Topic 4)

What is the process ID number of the init process on a SysV init based system?

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

Answer: C

NEW QUESTION 230

- (Exam Topic 4)

When planning a partition scheme, which of the following directories could be considered for separate partitions? (Choose three.)

- A. /etc
- B. /home
- C. /var
- D. /lib
- E. /opt

Answer: B

NEW QUESTION 234

- (Exam Topic 4)

Which command is used to start another command with a given nice level? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

nice

NEW QUESTION 235

- (Exam Topic 4)

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/etc/inittab

NEW QUESTION 239

- (Exam Topic 4)

Which of the following pieces of information of an existing file is changed when a hard link pointing to that file is created?

- A. File size
- B. Modify timestamp
- C. Link count
- D. Inode number
- E. Permissions

Answer: C

NEW QUESTION 243

- (Exam Topic 4)

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

updatedb

NEW QUESTION 247

- (Exam Topic 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

Answer: A

NEW QUESTION 249

- (Exam Topic 4)

How is a symbolic link called bar.conf pointing to foo.conf created?

- A. ln -s foo.conf bar.conf
- B. ln foo.conf bar.conf
- C. ln -s bar.conf foo.conf
- D. ln bar.conffoo.conf

Answer: A

NEW QUESTION 253

- (Exam Topic 4)

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

Answer: B

NEW QUESTION 257

- (Exam Topic 4)

Which of the following is true for hard linked files? (Choose three.)

- A. The output of stat will report hard instead of regular file.
- B. The hard linked files have the same permissions and owner.
- C. The hard linked files share the same inode.
- D. The hard linked files are indicated by a -> when listed with ls -l.
- E. The hard linked files must be on the same filesystem.

Answer: BCE

NEW QUESTION 261

- (Exam Topic 4)

What does the command mount -a do?

- A. It ensures that all file systems listed with the option noauto in /etc/fstab are mounted.
- B. It shows all mounted file systems that have been automatically mounted.

- C. It opens an editor with root privileges and loads /etc/fstab for editing.
- D. It ensures that all file systems listed with the option auto in /etc/fstab are mounted.
- E. It ensures that all file systems listed in /etc/fstab are mounted regardless of their options.

Answer: D

NEW QUESTION 264

- (Exam Topic 4)

Which of the following are filesystems which can be used on Linux root partitions? (Choose two.)

- A. NTFS
- B. ext3
- C. XFS
- D. VFAT
- E. swap

Answer: BE

NEW QUESTION 267

- (Exam Topic 4)

Which of the following command lines creates or, in case it already exists, overwrites a file called data with the output of ls?

- A. ls 3> data
- B. ls >& data
- C. ls > data
- D. ls >> data

Answer: C

NEW QUESTION 272

- (Exam Topic 4)

Which of the following commands print the current working directory when using a Bash shell? (Choose two.)

- A. echo "\${PWD}"
- B. echo "\${WD}"
- C. pwd
- D. printwd
- E. echo "\${pwd}"

Answer: C

NEW QUESTION 277

- (Exam Topic 4)

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

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

Answer: D

NEW QUESTION 281

- (Exam Topic 4)

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

- A. inode
- B. ls
- C. ln
- D. cp

Answer: B

NEW QUESTION 283

- (Exam Topic 4)

Which of the following commands shows the definition of a given shell command?

- A. where
- B. stat
- C. type
- D. case

Answer: C

NEW QUESTION 286

- (Exam Topic 4)

Which of the following apt-get commands will install the newest versions of all currently installed packages?

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

Answer: C

NEW QUESTION 289

- (Exam Topic 4)

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. Another file system still contains a symlink to a file inside `/mnt`.
- 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.

Answer: B

NEW QUESTION 294

- (Exam Topic 4)

Which command shows all shared libraries required by a binary executable or another shared library? (Specify ONLY the command without any path or parameters.)

- A. `Mastered`
- B. `Not Mastered`

Answer: A

Explanation:

`ldd`

NEW QUESTION 297

- (Exam Topic 4)

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

- A. `dpkg -s pkgname`
- B. `dpkg -L pkgname`
- C. `dpkg -P pkgname`
- D. `dpkg -r pkgname`

Answer: D

NEW QUESTION 298

- (Exam Topic 4)

Which of the following commands are common Linux commands for file management? (Choose three correct answers.)

- A. `copy`
- B. `mv`
- C. `move`
- D. `cp`
- E. `mkdir`

Answer: BDE

NEW QUESTION 302

- (Exam Topic 4)

Which of the following commands updates the already installed RPM package `rpmname`?

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

Answer: B

NEW QUESTION 304

- (Exam Topic 4)

Which of the following is the device file name for the second partition on the only SCSI drive?

- A. `/dev/hda1`

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

Answer: B

NEW QUESTION 307

- (Exam Topic 5)

Which of the following are valid stream redirection operators within Bash? (Choose two.)

- A. <
- B. #>
- C. %>
- D. >>>
- E. 2>&1

Answer: AE

NEW QUESTION 310

- (Exam Topic 5)

Which of the following is true when a file system, which is neither listed in /etc/fstab nor known to system, is mounted manually?

- A. systemd ignores any manual mounts which are not done using the systemctl mount command
- B. The command systemctl mountsync can be used to create a mount unit based on the existing mount
- C. systemd automatically generates a mount unit and monitors the mount point without changing it
- D. Unless a systemd mount unit is created, systemd unmounts the file system after a short period of time
- E. systemctl unmount must be used to remove the mount because system opens a file descriptor on the mount point

Answer: B

NEW QUESTION 313

- (Exam Topic 5)

What is contained on the EFI System Partition?

- A. The Linux root file system
- B. The first stage boot loader
- C. The default swap space file
- D. The Linux default shell binaries
- E. The user home directories

Answer: B

NEW QUESTION 314

- (Exam Topic 5)

When is the content of the kernel ring buffer reset? (Choose two.)

- A. When the ring buffer is explicitly reset using the command dmesg --clear
- B. When the ring buffer is read using dmesg without any additional parameters
- C. When a configurable amount of time, 15 minutes by default, has passed
- D. When the kernel loads a previously unloaded kernel module
- E. When the system is shut down or rebooted

Answer: AE

NEW QUESTION 318

- (Exam Topic 5)

A Debian package creates several files during its installation. Which of the following commands searches for packages owning the file /etc/debian_version?

- A. apt-get search /etc/debian_version
- B. apt -r /etc/debian_version
- C. find /etc/debian_version -dpkg
- D. dpkg -S /etc/debian_version
- E. apt-file /etc/debian_version

Answer: C

NEW QUESTION 321

- (Exam Topic 5)

Which of the following commands installs GRUB 2 into the master boot record on the third hard disk?

- A. grub2 install /dev/sdc
- B. grub-mkrescue /dev/sdc
- C. grub-mbrinstall /dev/sdc
- D. grub-setup /dev/sdc
- E. grub-install /dev/sdc

Answer: E

NEW QUESTION 325

- (Exam Topic 5)

Which is the default percentage of reserved space for the root user on new ext4 filesystems?

- A. 10%
- B. 3%
- C. 15%
- D. 0%
- E. 5%

Answer: E

NEW QUESTION 329

- (Exam Topic 5)

What output will be displayed when the user fred executes the following command? echo 'fred \$USER'

- A. fred fred
- B. fred /home/fred/
- C. 'fred \$USER'
- D. fred \$USER
- E. 'fred fred'

Answer: A

NEW QUESTION 334

- (Exam Topic 5)

Which umask value ensures that new directories can be read, written and listed by their owning user, read and listed by their owning group and are not accessible at all for everyone else?

- A. 0750
- B. 0027
- C. 0036
- D. 7640
- E. 0029

Answer: B

NEW QUESTION 336

- (Exam Topic 5)

Which of the following commands list all files and directories within the /tmp/ directory and its subdirectories which are owned by the user root? (Choose two.)

- A. find /tmp -user root -print
- B. find -path /tmp -uid root
- C. find /tmp -uid root -print
- D. find /tmp -user root
- E. find -path /tmp -user root -print

Answer: AE

NEW QUESTION 340

- (Exam Topic 5)

Which of the following commands redirects the output of ls to standard error?

- A. ls >-1
- B. ls <<ERR
- C. ls >&2
- D. ls >>2
- E. ls |error

Answer: C

NEW QUESTION 344

- (Exam Topic 5)

Which command uninstalls a package but keeps its configuration files in case the package is re-installed?

- A. dpkg -s pkgname
- B. dpkg -L pkgname
- C. dpkg -P pkgname
- D. dpkg -v pkgname
- E. dpkg -r pkgname

Answer: E

NEW QUESTION 345

- (Exam Topic 5)

Which of the following commands prints a list of usernames (first column) and their primary group (fourth column) from the /etc/passwd file?

- A. `fmt -f 1,4 /etc/passwd`
- B. `cut -d : -f 1,4 /etc/passwd`
- C. `sort -t : -k 1,4 /etc/passwd`
- D. `paste -f 1,4 /etc/passwd`
- E. `split -c 1,4 /etc/passwd`

Answer: B

NEW QUESTION 349

- (Exam Topic 5)

Which of the following vi commands deletes two lines, the current and the following line?

- A. `d2`
- B. `2d`
- C. `2dd`
- D. `dd2`
- E. `de12`

Answer: C

NEW QUESTION 351

- (Exam Topic 5)

Which daemon handles power management events on a Linux system?

- A. `acpid`
- B. `batteryd`
- C. `pwrmgntd`
- D. `psd`
- E. `inetd`

Answer: A

NEW QUESTION 353

- (Exam Topic 5) Given the following input stream:

`txt1.txt`

`atxt.txt`

`txtB.txt`

Which of the following regular expressions turns this input stream into the following output stream? `txt1.bak.txt`

`atxt.bak.txt`

`txtB.bak.txt`

- A. `s/^.txt/.bak/`
- B. `s/txt/bak.txt/`
- C. `s/txt$/bak.txt/`
- D. `s/^txt$/bak^/`
- E. `s/[.txt]/.bak$1/`

Answer: B

NEW QUESTION 356

- (Exam Topic 5)

What is true regarding the command

`ls > files`

if files does not exist?

- A. The output of `ls` is printed to the terminal
- B. `files` is created and contains the output of `ls`
- C. An error message is shown and `ls` is not executed
- D. The command `files` is executed and receives the output of `ls`
- E. Any output of `ls` is discarded

Answer: B

NEW QUESTION 359

- (Exam Topic 5)

Which of the following commands displays the output of the `foo` command on the screen and also writes it to a file called `/tmp/foodata`?

- A. `foo | less /tmp/foodata`
- B. `foo | cp /tmp/foodata`
- C. `foo > /tmp/foodata`
- D. `foo | tee /tmp/foodata`
- E. `foo > stdout >> /tmp/foodata`

Answer: D

NEW QUESTION 362

- (Exam Topic 5)

The command `dbmaint &` was used to run `dbmaint` in the background. However, `dbmaint` is terminated after logging out of the system. Which alternative `dbmaint` invocation lets `dbmaint` continue to run even when the user running the program logs out?

- A. `job -b dbmaint`
- B. `dbmaint &>/dev/pts/null`
- C. `nohup dbmaint &`
- D. `bg dbmaint`
- E. `wait dbmaint`

Answer: D

NEW QUESTION 363

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