



**LPI**

## **Exam Questions 101-500**

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

#### NEW QUESTION 1

- (Exam Topic 1)

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

**Answer:** A

#### NEW QUESTION 2

- (Exam Topic 1)

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.

**Answer:** B

#### NEW QUESTION 3

- (Exam Topic 1)

Which of the following commands reboots the system when using SysV init? (Choose TWO correct answers.)

- A. shutdown -r now
- B. shutdown -r "rebooting"
- C. telinit 6
- D. telinit 0
- E. shutdown -k now "rebooting"

**Answer:** AC

#### NEW QUESTION 4

- (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 5

- (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 6

- (Exam Topic 2)

Which of the following commands lists all currently installed packages when using RPM package management?

- A. yum --query --all
- B. yum --list --installed
- C. rpm --query --all
- D. rpm --list --installed

**Answer:** C

#### NEW QUESTION 7

- (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 8**

- (Exam Topic 2)

Which function key is used to start Safe Mode in Windows NT?

- A. F10
- B. F8
- C. F6
- D. Windows NT does not support Safe Mode

**Answer:** D

**NEW QUESTION 9**

- (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 10**

- (Exam Topic 2)

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

**Answer:** B

**NEW QUESTION 10**

- (Exam Topic 2)

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

**Answer:** D

**NEW QUESTION 12**

- (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 14**

- (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 16**

- (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 18**

- (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 22**

- (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 23**

- (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 27**

- (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 30**

- (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 35**

- (Exam Topic 3)

Which of the following signals is sent to a process when the key combination CTRL+C is pressed on the keyboard?

- A. SIGTERM
- B. SIGINT
- C. SIGSTOP
- D. SIGKILL

**Answer:** B

#### NEW QUESTION 37

- (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 41

- (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 43

- (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 48

- (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 52

- (Exam Topic 3)

Which of the following commands is used to change options and positional parameters for a running Bash?

- A. history
- B. set
- C. bashconf
- D. setsh
- E. envsetup

**Answer:** B

#### NEW QUESTION 53

- (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 54

- (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 55

- (Exam Topic 4)

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

**Answer: C**

#### NEW QUESTION 60

- (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 62

- (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 65

- (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 67

- (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 70

- (Exam Topic 4)

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

- A. sysinfo
- B. uname
- C. lspci

- D. arch
- E. info

**Answer:** B

#### NEW QUESTION 74

- (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 78

- (Exam Topic 4)

Which of the following commands will mount an already inserted CD-ROM in /dev/sr0 onto an existing directory /mnt/cdrom when issued with root privileges?

- A. mount /dev/cdrom /mnt/cdrom
- B. mount /dev/sr0 /mnt/cdrom
- C. mount -t cdrom /dev/sr0 /mnt/cdrom
- D. mount -l cdrom /dev/sr0 /mnt/cdrom
- E. mount -f /dev/sr0/mnt/cdrom

**Answer:** C

#### NEW QUESTION 79

- (Exam Topic 4)

Which of the following describes the correct order in which the components of the system boot process are started?

- A. BIOS, kernel, bootloader, init system
- B. BIOS, bootloader, kernel, init system
- C. Bootloader, BIOS, kernel, init system
- D. BIOS, bootloader, init system, kernel
- E. Bootloader, BIOS, init system, kernel

**Answer:** B

#### NEW QUESTION 81

- (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 83

- (Exam Topic 4)

In compliance with the FHS, in which of the following directories are documentation files found?

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

**Answer:** C

#### NEW QUESTION 84

- (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 86

- (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 90

- (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 92

- (Exam Topic 4)

Which file in /proc describes the IRQs that are used by various kernel drivers? (Specify the file name only without any path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

interrupts

#### NEW QUESTION 93

- (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 98

- (Exam Topic 4)

Which file from the /proc file system contains a list of all currently mounted devices? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

mounts

#### NEW QUESTION 102

- (Exam Topic 4)

What command changes the nice level of a running process? (Specify ONLY the command without any path or parameters)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

renice

#### NEW QUESTION 105

- (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 107**

- (Exam Topic 4)

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

**Answer:** A

**NEW QUESTION 111**

- (Exam Topic 4)

Which of the following commands can be used to search for the executable file foo when it has been placed in a directory not included in \$PATH?

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

**Answer:** C

**NEW QUESTION 113**

- (Exam Topic 4)

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

- A. du -i
- B. df -i
- C. lsfs -i
- D. printfs -i

**Answer:** B

**NEW QUESTION 118**

- (Exam Topic 4)

Which of the following file permissions belong to a symbolic link?

- A. -rwxrwxrwx
- B. +rwxrwxrwx
- C. lrwxrwxrwx
- D. srwxrwxrwx

**Answer:** C

**NEW QUESTION 123**

- (Exam Topic 5)

Which command must be entered before exiting vi to save the current file as filea.txt?

- A. %s filea.txt
- B. %w filea.txt
- C. :save filea.txt
- D. :w filea.txt
- E. :s filea.txt

**Answer:** D

**NEW QUESTION 124**

- (Exam Topic 5)

Which of the following properties of a Linux system should be changed when a virtual machine is cloned? (Choose two.)

- A. The partitioning scheme
- B. The file system
- C. The D-Bus Machine ID
- D. The permissions of /root/
- E. The SSH host keys

**Answer:** DE

#### NEW QUESTION 126

- (Exam Topic 5)

Which of the following apt-get subcommands installs the newest versions of all currently installed packages?

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

**Answer: E**

#### NEW QUESTION 130

- (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 134

- (Exam Topic 5)

Which of the following regular expressions represents a single upper-case letter?

- A. :UPPER:
- B. [A-Z]
- C. !a-z
- D. %C
- E. {AZ}

**Answer: B**

#### NEW QUESTION 139

- (Exam Topic 5)

When redirecting the output of find to the xargs command, what option to find is useful if the filenames contain spaces?

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

**Answer: E**

#### NEW QUESTION 143

- (Exam Topic 5)

What is true regarding the configuration of yum? (Choose two.)

- A. Changes to the repository configuration become active after running yum confupdate
- B. Changes to the yum configuration become active after restarting the yum service
- C. The configuration of package repositories can be divided into multiple files
- D. Repository configurations can include variables such as \$basearch or \$releasever
- E. In case /etc/yum.repos.d/ contains files, /etc/yum.conf is ignored

**Answer: DE**

#### NEW QUESTION 145

- (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 149**

- (Exam Topic 5)

Which wildcards will match the following filenames? (Choose two.) ttyS0

ttyS1 ttyS2

- A. ttyS[1-5]
- B. tty?[0-5]
- C. tty\*2
- D. tty[A-Z][012]
- E. tty[Ss][02]

**Answer:** BD

**NEW QUESTION 150**

- (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 155**

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

- A. A.?B./C.FD.r

**Answer:** A

**NEW QUESTION 156**

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