

LPI

Exam Questions 101-500

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



NEW QUESTION 1

- (Exam Topic 1)

What information can the lspci command display about the system hardware? (Choose THREE correct answers.)

- A. Device IRQ settings
- B. PCI bus speed
- C. System battery type
- D. Device vendor identification
- E. Ethernet MAC address

Answer: ABD

NEW QUESTION 2

- (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 3

- (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 4

- (Exam Topic 1)

Which of the following options for the kernel's command line changes the systemd boot target to rescue.target instead of the default target?

- A. systemd.target=rescue.target
- B. systemd.runlevel=rescue.target
- C. systemd.service=rescue.target
- D. systemd.default=rescue.target
- E. systemd.unit=rescue.target

Answer: E

NEW QUESTION 5

- (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 6

- (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 7

- (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 8

- (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 9

- (Exam Topic 2)

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

Answer: C

NEW QUESTION 10

- (Exam Topic 2)

Which of the following options is used in a GRUB Legacy configuration file to define the amount of time that the GRUB menu will be shown to the user?

- A. hidemenu
- B. splash
- C. timeout
- D. showmenu

Answer: C

NEW QUESTION 10

- (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 15

- (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 16

- (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 17

- (Exam Topic 2)

Which of the following commands can be used to download the RPM package kernel without installing it?

- A. yum download --no-install kernel
- B. yumdownloader kernel
- C. rpm --download --package kernel
- D. rpmdownload kernel

Answer: B

NEW QUESTION 20

- (Exam Topic 3)

Which of the following commands will reduce all consecutive spaces down to a single space?

- A. tr 's' ' ' < a.txt > b.txt
- B. tr -c ' ' < a.txt > b.txt
- C. tr -d ' ' < a.txt > b.txt
- D. tr -r ' '\n' < a.txt > b.txt
- E. tr -s ' ' < a.txt > b.txt

Answer: E

NEW QUESTION 25

- (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 27

- (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 31

- (Exam Topic 3)

Which of the following commands will print the last 10 lines of a text file to the standard output?

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

Answer: D

NEW QUESTION 34

- (Exam Topic 3)

What is the difference between the i and a commands of the vi editor?

- A. i (interactive) requires the user to explicitly switch between vi modes whereas a (automatic) switches modes automatically.
- B. i (insert) inserts text before the current cursor position whereas a (append) inserts text after the cursor.
- C. i (independent rows) starts every new line at the first character whereas a (aligned rows) keeps the indentation of the previous line.
- D. i (interrupt) temporarily suspends editing of a file to the background whereas a (abort) terminates editing.

Answer: B

NEW QUESTION 36

- (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 39

- (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 43

- (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 48

- (Exam Topic 3)

What does the ? symbol within regular expressions represent?

- A. Match the preceding qualifier one or more times.
- B. Match the preceding qualifier zero or more times.
- C. Match the preceding qualifier zero or one times.
- D. Match a literal ?character.

Answer: C

NEW QUESTION 49

- (Exam Topic 3)

In a nested directory structure, which find command line option would be used to restrict the command to searching down a particular number of subdirectories?

- A. -dirmax
- B. -maxdepth
- C. -maxlevels
- D. -n
- E. -s

Answer: B

NEW QUESTION 50

- (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 55

- (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 58

- (Exam Topic 3)

Which command displays a list of all background tasks running in the current shell? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

jobs

NEW QUESTION 60

- (Exam Topic 3)

Which of the following sequences in the vi editor saves the opened document and exits the editor? (Choose TWO correct answers.)

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

Answer: AD

NEW QUESTION 65

- (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 66

- (Exam Topic 3)

What is the output of the following command? `echo "Hello World" | tr -d aieou`

- A. Hello World
- B. eoo
- C. Hll Wrld
- D. eoo Hll Wrld

Answer: C

NEW QUESTION 68

- (Exam Topic 3)

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.

Answer: A

NEW QUESTION 71

- (Exam Topic 3)

Which of the following commands kills the process with the PID 123 but allows the process to "clean up" before exiting?

- A. kill -PIPE 123
- B. kill -KILL 123
- C. kill -STOP 123
- D. kill -TERM 123

Answer: D

NEW QUESTION 76

- (Exam Topic 4)

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

- A. Mastered
- B. Not Mastered

Answer:

A

Explanation:

0077, 077

NEW QUESTION 78

- (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. lsmounts
- E. cat /proc/filesystems

Answer: AC

NEW QUESTION 80

- (Exam Topic 4)

Which command is used to create and initialize the files used to store quota information? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

quotacheck

NEW QUESTION 82

- (Exam Topic 4)

Which of the following statements describes a difference between GNU 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 files menu.lst (and grub.conf) have been replaced with grub.config.

Answer: B

NEW QUESTION 85

- (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 90

- (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 94

- (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 99

- (Exam Topic 4)

Which of the following options must be passed to a filesystem's entry in /etc/fstab in order to mount the file system without root privileges?

- A. auto
- B. norestrict
- C. noauto
- D. user

Answer: D

NEW QUESTION 102

- (Exam Topic 4)

Which command reads and displays the current contents of the Kernel Ring Buffer on the command line? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

dmesg

NEW QUESTION 104

- (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 105

- (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 110

- (Exam Topic 4)

Which of the following partition types is used for Linux swap spaces when partitioning hard disk drives?

- A. 82
- B. 83
- C. 8e
- D. fd
- E. 7

Answer: B

NEW QUESTION 112

- (Exam Topic 4)

Which of the following shell commands makes the already defined variable TEST visible to new child processes? (Choose two.)

- A. visible TEST
- B. declare +x TEST
- C. declare -x TEST
- D. export TEST
- E. export -v TEST

Answer: D

NEW QUESTION 114

- (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 116

- (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 121

- (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 122

- (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 124

- (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 126

- (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 130

- (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 133

- (Exam Topic 4)

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)? Specify the correct vi command without spaces.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

17yy

NEW QUESTION 137

- (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 139

- (Exam Topic 4)

Which of the following commands creates an ext3 filesystem on /dev/sdb1? (Choose TWO correct answers.)

- A. /sbin/mke2fs -j /dev/sdb1
- B. /sbin/mkfs -t ext3 /dev/sdb1
- C. /sbin/mkfs -c ext3 /dev/sdb1
- D. /sbin/mke3fs -j /dev/sdb1

Answer: AB

NEW QUESTION 140

- (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 145

- (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 147

- (Exam Topic 5)

Which of the following commands installs all packages with a name ending with the string foo?

- A. zypper get "*foo"
- B. zypper update "foo?"
- C. zypper force "foo*"
- D. zypper install "*foo"
- E. zypper add ".*foo"

Answer: D

NEW QUESTION 150

- (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 155

- (Exam Topic 5)

Which of the following files exist in a standard GRUB 2 installation? (Choose two.)

- A. /boot/grub/stages/stage0
- B. /boot/grub/i386-pc/1vm.mod
- C. /boot/grub/fstab
- D. /boot/grub/grub.cfg
- E. /boot/grub/linux/vmlinuz

Answer: BD

NEW QUESTION 156

- (Exam Topic 5)

Which of the following files, located in a user's home directory, contains the Bash history?

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

Answer: B

NEW QUESTION 161

- (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 166

- (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 171

- (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 173

- (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 176

- (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 179

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