

101-500 Dumps

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

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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 command will display messages from the kernel that were output during the normal boot sequence? dmesg, /bin/dmesg

- A. Mastered
- B. Not Mastered

Answer: A

NEW QUESTION 3

- (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 4

- (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 5

- (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 6

- (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 7

- (Exam Topic 1)

What of the following statements are true regarding /dev/ when using udev? (Choose TWO correct answers.)

- A. Entries for all possible devices get created on boot even if those devices are not connected.
- B. Additional rules for udev can be created by adding them to /etc/udev/rules.d/.
- C. When using udev, it is not possible to create block or character devices in /dev/ using mknod.

- D. The /dev/ directory is a filesystem of type tmpfs and is mounted by udev during system startup.
E. The content of /dev/ is stored in /etc/udev/dev and is restored during system startup.

Answer: BD

NEW QUESTION 8

- (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 9

- (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 10

- (Exam Topic 2)

Which of the following is correct when talking about mount points?

- A. Every existing directory can be used as a mount point.
B. Only empty directories can be used as a mount point.
C. Directories need to have the SetUID flag set to be used as a mount point.
D. Files within a directory are deleted when the directory is used as a mount point.

Answer: A

NEW QUESTION 10

- (Exam Topic 2)

Which option to the yum command will update the entire system? (Specify ONLY the option name without any additional parameters.)

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

update, upgrade

NEW QUESTION 11

- (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 14

- (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 17

- (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 21

- (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 25

- (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 27

- (Exam Topic 3)

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

Answer: D

NEW QUESTION 31

- (Exam Topic 3)

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

Answer: D

NEW QUESTION 32

- (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 33

- (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 36

- (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 38

- (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 43

- (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 47

- (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 49

- (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 53

- (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 56

- (Exam Topic 3)

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

- A. <
- B. <<<
- C. >
- D. >>>
- E. %>

Answer: ABC

NEW QUESTION 61

- (Exam Topic 3)

From a Bash shell, which of the following commands directly executes the instruction from the file /usr/local/bin/runme.sh without starting a subshell? (Please select TWO answers.)

- 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

Answer: AB

NEW QUESTION 64

- (Exam Topic 3)

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.

Answer: B

NEW QUESTION 66

- (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 71

- (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 72

- (Exam Topic 4)

Which of the following commands is used to modify quota settings? (Choose two.)

- A. editquota
- B. setquota
- C. edquota
- D. quotaedit
- E. quotaset

Answer: C

NEW QUESTION 75

- (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 76

- (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 81

- (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 85

- (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 90

- (Exam Topic 4)

Which of the following commands set the sticky bit for the directory /tmp? (Choose TWO correct answers.)

- A. chmod +s /tmp
- B. chmod +t /tmp
- C. chmod 1775 /tmp
- D. chmod 4775 /tmp
- E. chmod 2775 /tmp

Answer: BC

NEW QUESTION 92

- (Exam Topic 4)

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

Answer: A

NEW QUESTION 97

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

Answer: B

NEW QUESTION 99

- (Exam Topic 4)

Which SysV init configuration file is commonly used to set the default run level? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

inittab

NEW QUESTION 104

- (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 107

- (Exam Topic 4)

How many fields are in a syntactically correct line of /etc/fstab?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Answer: D

NEW QUESTION 110

- (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 115

- (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 118

- (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 119

- (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 120

- (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 124

- (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 126

- (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 129

- (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 133

- (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. printf -i

Answer: B

NEW QUESTION 135

- (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 139

- (Exam Topic 5)

Consider the following directory:

drwxrwxr-x 2 root sales 4096 Jan 1 15:21 sales

Which command ensures new files created within the directory sales are owned by the group sales? (Choose two.)

- A. chmod g+s sales
- B. setpol -R newgroup=sales sales
- C. chgrp -p sales sales
- D. chown --persistent *.sales sales
- E. chmod 2775 sales

Answer: CE

NEW QUESTION 143

- (Exam Topic 5)

A faulty kernel module is causing issues with a network interface card. Which of the following actions ensures that this module is not loaded automatically when the system boots?

- A. Using lsmod --remove --autoclean without specifying the name of a specific module
- B. Using modinfo -k followed by the name of the offending module
- C. Using modprobe -r followed by the name of the offending module
- D. Adding a blacklist line including the name of the offending module to the file/etc/modprobe.d/blacklist.conf
- E. Deleting the kernel module's directory from the file system and recompiling the kernel, including its modules

Answer: D

NEW QUESTION 145

- (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 148

- (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 151

- (Exam Topic 5)

Which of the following statements are true about the boot sequence of a PC using a BIOS? (Choose two.)

- A. Some parts of the boot process can be configured from the BIOS
- B. Linux does not require the assistance of the BIOS to boot a computer
- C. The BIOS boot process starts only if secondary storage, such as the hard disk, is functional
- D. The BIOS initiates the boot process after turning the computer on
- E. The BIOS is started by loading hardware drivers from secondary storage, such as the hard disk

Answer: AD

NEW QUESTION 152

- (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 157

- (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 159

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