LPI

Exam Questions 101-500

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

NEW QUESTION 1
- (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 2
- (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 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 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 5
- (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 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)
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 8
- (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 9
- (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 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 of the following environment variables overrides or extends the list of directories holding 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 13
- (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 17
- (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 18
- (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 modesautomatically.
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 20
- (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 24
- (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 25
- (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 29
- (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 32
- (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 newletter?

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

Answer: D

NEW QUESTION 42
- (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 46
- (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 50
- (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 55
- (Exam Topic 3)
Which command is used in a Linux environment to create a new directory? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
mkdir, /usr/bin/mkdir

NEW QUESTION 59
- (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 62
- (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 63
- (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 67
- (Exam Topic 3)
Which of the following command sets the Bash variable named TEST with the content FOO?

A. set TEST="FOO"
B. TEST = "FOO"
C. var TEST="FOO"
D. TEST="FOO"

Answer: D

NEW QUESTION 71
- (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 75
- (Exam Topic 4)
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

Answer: D

NEW QUESTION 76
- (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 80
- (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 85
- (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 thecurrent 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 88
- (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 93
- (Exam Topic 4)
Which of the following Linux filesystems preallocates a fixed number of inodes at the filesystem's make/creation time and does NOT generate them as needed? (Choose TWO correct answers.)

A. ext3
B. JFS
C. ext2
D. XFS
E. procfs

Answer: AC

NEW QUESTION 98
- (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 100
- (Exam Topic 4)
Which of the following is a limitation of the cut command?

A. Thecutcommand can only select output by field position.
B. Thecutcommand cannot reorder fields.
C. Thecutcommand only works on ASCIItext.
D. Thecutcommand cannot use different input and output delimiters.

Answer: B

NEW QUESTION 101
- (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)
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 104
- (Exam Topic 4)
What is the purpose of the xargs command?

A. It passes arguments to an X server.
B. It reads standard input (STDIN) and builds up command lines to execute.
C. It helps shellscripts take variable argument lists.
D. It asks a question, graphically, and returns the answer to the shell.
E. It allows users to specify long options for commands that normally only accept short options.

Answer: B

NEW QUESTION 106
- (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 110
- (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 114
- (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 118
- (Exam Topic 4)
Pressing the Ctrl-C combination on the keyboard while a command is executing in the foreground sends which of the following signal codes?

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

Answer: B

NEW QUESTION 121

- (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 123
- (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 of the following are modes of the vi editor? (Choose two.)

A. edit mode
B. insert mode
C. change mode
D. review mode
E. command mode

Answer: BE

NEW QUESTION 127
- (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 131
- (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 134
- (Exam Topic 5)
When considering the use of hard links, what are valid reasons not to use hard links?

A. Hard links are not available on all Linux systems because traditional filesystems, such as ext4, do not support them
B. Each hard link has individual ownership, permissions and ACLs which can lead to unintended disclosure of file content
C. Hard links are specific to one filesystem and cannot point to files on another filesystem
D. If users other than root should be able to create hard links, suln has to be installed and configured
E. When a hard linked file is changed, a copy of the file is created and consumes additional space

Answer: A

NEW QUESTION 135
- (Exam Topic 5)
Which of the following commands displays the path to the executable file that would be executed when the command foo is invoked?

A. lsattr foo
B. apropos foo
C. locate foo
D. whatis foo
E. which foo

Answer: A

NEW QUESTION 140
- (Exam Topic 5)
What is true regarding UEFI firmware? (Choose two.)

A. It can read and interpret partition tables
B. It can use and read certain file systems
C. It stores its entire configuration on the /boot/ partition
D. It is stored in a special area within the GPT metadata
E. It is loaded from a fixed boot disk position

Answer: BD

NEW QUESTION 142
- (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 146
- (Exam Topic 5)
Which of the following commands lists the dependencies of the RPM package file foo.rpm?

A. rpm –qpR foo.rpm
B. rpm –dep foo
C. rpm –ld foo.rpm
D. rpm –R foo.rpm
E. rpm –pD foo

Answer: A

NEW QUESTION 147
- (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 150
- (Exam Topic 5)
Which command displays the current disk space usage for all mounted file systems? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
du

NEW QUESTION 155
- (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 156

- (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 157
- (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 158
- (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 160
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

Answer: A

NEW QUESTION 164
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