LPI

Exam Questions 101-500

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

NEW QUESTION 1
- (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 2
- (Exam Topic 1)
During a system boot cycle, what is the program that is run after the BIOS completes its tasks?

A. The bootloader
B. The inetd program
C. The init program
D. The kernel

Answer: A

NEW QUESTION 3
- (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 4
- (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 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 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 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)
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 9
- (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 10
- (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 10
- (Exam Topic 3)
The /etc/_____ file lists currently mounted devices.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
mtab

NEW QUESTION 11
- (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 13
- (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 16
- (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 18
- (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 20
- (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 25
- (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 29
- (Exam Topic 3)
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. split -c 1,4 /etc/passwd
C. cut -d : -f 1,4 /etc/passwd
D. paste -f 1,4 /etc/passwd

Answer: C

NEW QUESTION 31
- (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 35
- (Exam Topic 3)
Which of the following commands prints all files and directories within the /tmp directory or its subdirectories which are also owned by the user root? (Choose TWO correct answers.)

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

D. find /tmp -user root
E. find -path /tmp -user root –print

Answer: CD

NEW QUESTION 38
- (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 41
- (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 44
- (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 49
- (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 50
- (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 52
- (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 55
- (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 56
- (Exam Topic 4)
Which of the following commands instructs SysVinit to reload its configuration file?

A. reinit
B. initreload
C. telinit 7
D. telinit q
E. init reinit

Answer: D

NEW QUESTION 59
- (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 60
- (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 file menu.lst (and grub.conf) have been replaced with grub.config.

Answer: B

NEW QUESTION 61
- (Exam Topic 4)
What do the permissions -rwSr-xr-x mean for a binary file when it is executed as a command?

A. The command is SetUID and it will be executed with the effective rights of the owner.
B. The command will be executed with the effective rights of the group instead of the owner.
C. The execute flag is not set for the owne
D. Therefore the SetUID flag is ignored.
E. The command will be executed with the effective rights of the owner and group.

Answer: C

NEW QUESTION 66
- (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 70
- (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 74
- (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 75
- (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 76
- (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 80
- (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 81
- (Exam Topic 4)
Where does the BIOS search for a bootloader?

A. On all connected storage media regardless of the boot device order.
B. On all connected storage media in the defined boot device order.
C. Only on hard disk drives in the defined boot device order.
D. Only on the last added storage media.
E. The BIOS is not responsible to search for a valid bootloader.

Answer: B

NEW QUESTION 84
- (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 86
- (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 90
- (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 93
- (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 95
- (Exam Topic 4)
What does the command grub-install /dev/sda do?

A. GRUB creates partitions on the device/dev/sdato be used with Linux.
B. GRUB sets the default BIOS boot device to/dev/sda.
C. GRUB installs all required files and configures the boot loader on device/dev/sda.
D. GRUB recompiles the Linux Kernel and installs it on the Master Boot Record of device/dev/sda.

Answer: C

NEW QUESTION 100
- (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 101
- (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 102
- (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 105
- (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 107
- (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 111
- (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 115
- (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 119
- (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 124
- (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 125

- (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 126
- (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 128
- (Exam Topic 5)
Which of the following directories on a 64 bit Linux system typically contain shared libraries? (Choose two.)

A. ~/.lib64/
B. /usr/lib64/
C. /var/lib64/
D. /lib64/
E. /opt/lib64/

Answer: AD

NEW QUESTION 129
- (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 131
- (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 132
- (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 135
- (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 140
- (Exam Topic 5)
What is the first program the Linux kernel starts at boot time when using System V init?

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

Answer: D

NEW QUESTION 145
- (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 150
- (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 153
- (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 154
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 155
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