LPI

Exam Questions 101-500

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

NEW QUESTION 1
- (Exam Topic 1)
What is the first program that is usually started, at boot time, by the Linux kernel when using SysV init?

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

Answer: B

NEW QUESTION 2
- (Exam Topic 1)
The message "Hard Disk Error" is displayed on the screen during Stage 1 of the GRUB boot process. What does this indicate?

A. The kernel was unable to execute /bin/init
B. The next Stage cannot be read from the hard disk because GRUB was unable to determine the size and geometry of the disk
C. One or more of the filesystems on the hard disk has errors and a filesystem check should be run
D. The BIOS was unable to read the necessary data from the Master Boot Record to begin the boot process

Answer: B

NEW QUESTION 3
- (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 4
- (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 orcharacter 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 5
- (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 6
- (Exam Topic 2)
After modifying GNU GRUB's configuration file, which command must be run for the changes to take effect?

A. kill -HUP $(pidof grub)
B. grub-install
C. grub
D. No action is required

Answer: D

NEW QUESTION 7
- (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 8
- (Exam Topic 2)
Which of the following commands is used to update the list of available packages when using dpkg based package management?

A. apt-get update
B. apt-get upgrade
C. apt-cache update
D. apt-get refresh
E. apt-cache upgrade

Answer: A

NEW QUESTION 9
- (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 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 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 12
- (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 14
- (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 15
- (Exam Topic 3)
What is the maximum niceness value that a regular user can assign to a process with the nice command when executing a new process?

A. 9
B. 19
C. 49
D. 99

Answer: B

NEW QUESTION 19
- (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 22
- (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 27
- (Exam Topic 3)
Which shell command is used to continue background execution of a suspended command?

A. &
B. bg
C. cont
D. exec
E. :&

Answer: B

NEW QUESTION 30
- (Exam Topic 3)
Which of the following shell redirections will write standard output and standard error output to a file named filename?

A. 2>&1 >filename
B. >filename 2>&1
C. 1>&2>filename
D. >>filename
E. 1&2>filename

Answer: B

NEW QUESTION 35
- (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 37
- (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 42
- (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 47
- (Exam Topic 3)
Which of the following statements is correct regarding the command foo 1> bar?

A. The stdout from the command foo is appended to the file bar.
B. The stdout from the command foo overwrites the file bar.
C. The command foo receives its stdin from the file bar.
D. The command foo receives its stdin from the stdout of the command bar.
E. The stderr from the command foo is saved to the file bar.

Answer: B

NEW QUESTION 49
- (Exam Topic 4)
Which of the following settings for umask ensures that new files have the default permissions -rw-r----- ?

A. 0017
B. 0640
C. 0038
D. 0027

Answer: D

NEW QUESTION 51
- (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. Thecommand is run in background of the current shell.
D. The command is run as a direct child of theinitprocess.

Answer: C

NEW QUESTION 56
- (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 57
- (Exam Topic 4)
Which utility would be used to change how often a filesystem check is performed on an ext2 filesystem without losing any data stored on that filesystem?

A. mod2fs
B. fsck
C. tune2fs
D. mke2fs
E. fixe2fs

Answer: C

NEW QUESTION 61

- (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 65
- (Exam Topic 4)
Which type of filesystem is created by mkfs when it is executed with the block device name only and without any additional parameters?

A. ext2
B. ext3
C. ext4
D. XFS
E. VFAT

Answer: A

NEW QUESTION 67
- (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 69
- (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 70
- (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 73
- (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 74
- (Exam Topic 4)
Which permissions and ownership should the file /etc/passwd have?

A. -rw-------1 rootroot531 Jun 5 22:45 /etc/passwd

B. -rw-r--r--1 rootroot531 Jun 5 22:45 /etc/passwd
C. -rw-r--r--1 11531 Jun 5 22:45 /etc/passwd
D. -rw-------1 11531 Jun 5 22:45 /etc/passwd

Answer: B

NEW QUESTION 79
- (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 81
- (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 82
- (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 85
- (Exam Topic 4)
Which signal is sent by the kill command by default?

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

Answer: D

NEW QUESTION 86
- (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 88
- (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 89
- (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 92
- (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 94
- (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 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 100
- (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 101
- (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 104
- (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 109
- (Exam Topic 4)
Which of the following commands changes the number of days before the ext3 filesystem on /dev/sda1 has to run through a full filesystem check while booting?

A. tune2fs -d 200 /dev/sda1
B. tune2fs -c 200 /dev/sda1
C. tune2fs -i 200 /dev/sda1
D. tune2fs -n 200 /dev/sda1
E. tune2fs --days 200 /dev/sda1

Answer: C

NEW QUESTION 111
- (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 116
- (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 121
- (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 122
- (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 125
- (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 127
- (Exam Topic 5)
Consider the following output from the command ls –i:

```
525385 -rw-rw-r-- 2 1000 1000 0 Feb 12 19:44 a.txt
526255 lrwxrwxrwx 1 1000 1000 5 Feb 12 19:44 b.txt -> a.txt
```

How would a new file named c.txt be created with the same inode number as a.txt (Inode 525385)?

A. ln –h a.txt c.txt
B. ln c.txt a.txt
C. ln a.txt c.txt
D. ln –f c.txt a.txt
E. ln –i 525385 c.txt

Answer: C

NEW QUESTION 131
- (Exam Topic 5)
Which umask value ensures that new directories can be read, written and listed by their owning user, read and listed by their owning group and are not accessible at all for everyone else?

A. 0750
B. 0027
C. 0036
D. 7640
E. 0029

Answer: B

NEW QUESTION 134
- (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 137
- (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 142
- (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 144
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 146

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 148
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