Exam Questions 101-500

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

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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)
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)
You are having some trouble with a disk partition and you need to do maintenance on this partition but your users home directories are on it and several are logged in. Which command would disconnect the users and allow you to safely execute maintenance tasks?

A. telinit 1
B. shutdown -r now
C. killall -9 inetd
D. /bin/netstop --maint
E. /etc/rc.d/init.d/network stop

Answer: A

NEW QUESTION 4
- (Exam Topic 1)
Which of the following information is stored within the BIOS? (Choose TWO correct answers.)

A. Boot device order
B. Linux kernel version
C. Timezone
D. Hardware configuration
E. The system's hostname

Answer: AD

NEW QUESTION 5
- (Exam Topic 1)
The system is having trouble and the engineer wants to bypass the usual /sbin/init start up and run /bin/sh. What is the usual way to pass this change to the kernel from your boot loader?

A. Start in runlevel 1.
B. Pass init=/bin/sh on the kernel parameter line.
C. Pass /bin/sh on the kernel parameter line.
D. Pass start=/bin/sh on the kernel parameter line.

Answer: B

NEW QUESTION 6
- (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 7
- (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 8
- (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 9
- (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 10
- (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 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 15
- (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 18
- (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 23
- (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 26
- (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 31
- (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 36
- (Exam Topic 3)
When given the following command line. echo "foo bar" | tee bar | cat
Which of the following output is created?

A. cat
B. foo bar
C. tee bar
D. bar
E. foo

Answer: B

NEW QUESTION 39
- (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 44
- (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 45
- (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 47
- (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 48
- (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 50
- (Exam Topic 3)
Immediately after deleting 3 lines of text in vi and moving the cursor to a different line, which single character command will insert the deleted content below the current line?

A. i (lowercase)
B. P (uppercase)
C. p (lowercase)
D. U (uppercase)
E. u (lowercase)

Answer: C

NEW QUESTION 53
- (Exam Topic 3)
When starting a program with the nice command without any additional parameters, which nice level is set for the resulting process?

A. -10
B. 10
C. 20

Answer: C

NEW QUESTION 55
- (Exam Topic 3)
What is the default action of the split command on an input file?

A. It will break the file into new files of 1,024 byte pieces each.
B. It will break the file into new files of 1,000 line pieces each.
C. It will break the file into new files of 1,024 kilobyte pieces each.
D. It will break the file into new files that are no morethan 5% of the size of the original file.

Answer: B

NEW QUESTION 59
- (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 64
- (Exam Topic 3)
Which character, added to the end of a command, runs that command in the background as a child process of the current shell?

A. !
B. +
C. &
D. %
E. #

Answer: C

NEW QUESTION 65
- (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 70
- (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 72
- (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 and1in GRUB 2.
C. grub-mkconfigonly works with GRUB Legacy if the--version 1option is used.
D. The configuration filemenu.lst(andgrub.conf) have been replaced withgrub.config.

Answer: B

NEW QUESTION 73
- (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 76
- (Exam Topic 4)
What is the purpose of the Filesystem Hierarchy Standard?

A. It is a security model used to ensurefiles 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. Itis a distribution neutral description of locations of files and directories.

Answer: D

NEW QUESTION 80
- (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 84
- (Exam Topic 4)
Which of the following commands converts spaces in a file to tab characters and prints the result to standard output?

A. iconv
B. expand
C. unexpand
D. tab

Answer: C

NEW QUESTION 89
- (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 93
- (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 96
- (Exam Topic 4)
How can the list of files that would be installed by the RPM package file apache-xml.rpm be previewed?

A. rpm –qp apache-xml.rpm
B. rpm –qv apache-xml.rpm
C. rpm –ql apache-xml.rpm
D. rpm –qpl apache-xml.rpm

Answer: D

NEW QUESTION 100
- (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 104
- (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 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 107
- (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 111
- (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 115
- (Exam Topic 4)
Instead of supplying an explicit device in /etc/fstab for mounting, what other options may be used to identify the intended partition? (Choose TWO correct answers.)

A. FIND
B. ID
C. LABEL
D. NAME
E. UUID

Answer: CE

NEW QUESTION 116
- (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 121
- (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 124
- (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 125
- (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 128
- (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 132
- (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 137
- (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 138
- (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 are valid stream redirection operators within Bash? (Choose two.)

A. <
B. #>
C. %>
D. >>>
E. 2>&1

Answer: AE

NEW QUESTION 143
- (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 144
- (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 146
- (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 151
- (Exam Topic 5)
Which of the following commands list all files and directories within the /tmp/ directory and its subdirectories which are owned by the user root? (Choose two.)

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

Answer: AE

NEW QUESTION 155
- (Exam Topic 5)
What is true regarding the configuration of yum? (Choose two.)

A. Changes to the repository configuration become active after running yum confupdate
B. Changes to the yum configuration become active after restarting the yumd service
C. The configuration of package repositories can be divided into multiple files
D. Repository configurations can include variables such as $basearch or $releasever
E. In case /etc/yum.repos.d/ contains files, /etc/yum.conf is ignored

Answer: DE

NEW QUESTION 159
- (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 163
- (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 164
- (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 dmaint
B. dbmaint &>/dev/pts/null
C. nohup dbmaint &
D. bg dbmaint
E. wait dbmaint

Answer: D

NEW QUESTION 165
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