

## 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)

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 2

- (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 3

- (Exam Topic 1)

You suspect that a new ethernet card might be conflicting with another device. Which file should you check within the /proc tree to learn which IRQs are being used by which kernel drivers?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

interrupts, /proc/interrupts

#### NEW QUESTION 4

- (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 5

- (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 6

- (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 7

- (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 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)

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 10

- (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 commands overwrites the bootloader located on /dev/sda without overwriting the partition table or any data following it?

- A. dd if=/dev/zero of=/dev/sda bs=512
- B. dd if=/dev/zero of=/dev/sda bs=512 count=1
- C. dd if=/dev/zero of=/dev/sda bs=440 count=1
- D. dd if=/dev/zero of=/dev/sda bs=440

**Answer:** C

#### NEW QUESTION 13

- (Exam Topic 2)

Which of the following commands lists all currently installed packages when using RPM package management?

- A. yum --query --all
- B. yum --list --installed
- C. rpm --query --all
- D. rpm --list --installed

**Answer:** C

#### NEW QUESTION 16

- (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 19

- (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 23

- (Exam Topic 2)

An administrator has issued the following command: grub-install --root-directory=/custom-grub /dev/sda

In which directory will new configuration files be found? (Provide the full directory path only without the filename)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/custom-grub/boot/grub/, /custom-grub/boot/grub

#### NEW QUESTION 28

- (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 30

- (Exam Topic 2)

Which world-writable directory should be placed on a separate partition in order to prevent users from being able to fill up the / filesystem? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/tmp, tmp,/var/tmp, /tmp/, /var/tmp/

#### NEW QUESTION 31

- (Exam Topic 2)

Typically, which top level system directory is used for files and data that change regularly while the system is running and are to be kept between reboots? (Specify only the top level directory)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/var, /var/, var, var/

#### NEW QUESTION 33

- (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 37

- (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 40

- (Exam Topic 2)

Which of the following commands can be used to download the RPM package kernel without installing it?

- A. yum download --no-install kernel
- B. yumdownloader kernel
- C. rpm --download --package kernel
- D. rpmdownload kernel

**Answer:** B

#### NEW QUESTION 42

- (Exam Topic 3)

What happens after issuing the command vi without any additional parameters?

- A. vi starts and loads the last file used and moves the cursor to the position where vi was when it last exited.
- B. vi starts and requires the user to explicitly either create a new or load an existing file.
- C. vi exits with an error message as it cannot be invoked without a file name to operate on.
- D. vi starts in command mode and opens a new empty file.
- E. vi starts and opens a new file which is filled with the content of the vi buffer if the buffer contains text.

**Answer:** D

#### NEW QUESTION 44

- (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 47

- (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 49

- (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 54

- (Exam Topic 3)

Which of the following commands determines the type of a file by using a definition database file which contains information about all common file types?

- A. magic
- B. type
- C. file
- D. pmagic
- E. hash

**Answer:** C

#### NEW QUESTION 59

- (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 62

- (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 64

- (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 68

- (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 72

- (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 74

- (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 75

- (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 76

- (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 80

- (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 82

- (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 subsequent command 4 times.

**Answer:** B

#### NEW QUESTION 83

- (Exam Topic 3)

Which command displays a list of all background tasks running in the current shell? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

jobs

#### NEW QUESTION 87

- (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 89

- (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 94

- (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 99

- (Exam Topic 3)

Which of the following commands is used to change options and positional parameters for a running Bash?

- A. history
- B. set
- C. bashconf
- D. setsh
- E. envsetup

**Answer:** B

#### NEW QUESTION 100

- (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 103

- (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 105

- (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 108

- (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 110

- (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 114

- (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 118

- (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 120

- (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 123

- (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 127

- (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 128

- (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 132

- (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 134

- (Exam Topic 4)

Following the Filesystem Hierarchy Standard (FHS), where should binaries that have been compiled by the system administrator be placed in order to be made available to all users on the system?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/usr/local/bin/

#### NEW QUESTION 136

- (Exam Topic 4)

Which of the following commands will produce the following output?

- A. jobs
- B. proclist
- C. netstat
- D. ps

**Answer:** D

#### NEW QUESTION 137

- (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 141

- (Exam Topic 4)

Which of the following commands is used to change metadata and options for ext3 filesystems?

- A. mod3fs
- B. tune3fs
- C. mod2fs
- D. tune2fs
- E. dump2fs

**Answer:** D

#### NEW QUESTION 142

- (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 the current 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 147

- (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. ls mounts
- E. cat /proc/filesystems

**Answer:** AC

#### NEW QUESTION 149

- (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 153

- (Exam Topic 4)

Which of the following commands will load a kernel module along with any required dependency modules?

- A. depmod
- B. insmod
- C. modprobe
- D. module\_install
- E. loadmod

**Answer:** C

#### NEW QUESTION 157

- (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 owner.
- 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 160

- (Exam Topic 4)

What is the purpose of the Filesystem Hierarchy Standard?

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

**Answer:** D

#### NEW QUESTION 162

- (Exam Topic 4)

Which of the following commands enables the setuid (suid) permission on the executable /bin/foo?

- A. chmod 1755 /bin/foo
- B. chmod 4755 /bin/foo
- C. chmod u-s /bin/foo
- D. chmod 755+s /bin/foo

**Answer:** B

#### NEW QUESTION 163

- (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 165

- (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 170

- (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 175

- (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 177

- (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 178

- (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 180

- (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 183

- (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 186

- (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 189

- (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 190

- (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 193

- (Exam Topic 4)

Which of the following examples for Bash file globbing matches a file named root-can-do-this.txt when used in the directory holding that file? (Choose three correct answers.)

- A. root\*can?do-this.{txt,odt}
- B. r[oOoO]t-can-do\*.txt
- C. {root,user,admin}-can-??-this.txt
- D. root\*can\*do??this.txt
- E. root\*\*\*{can,may}-do-this.[tT][xX][tT]

**Answer:**

ABC

#### NEW QUESTION 197

- (Exam Topic 4)

When planning a partition scheme, which of the following directories could be considered for separate partitions? (Choose three.)

- A. /etc
- B. /home
- C. /var
- D. /lib
- E. /opt

**Answer:** B

#### NEW QUESTION 198

- (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 200

- (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 201

- (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 205

- (Exam Topic 4)

Which of the following is true for hard linked files? (Choose three.)

- A. The output of stat will report hard instead of regular file.
- B. The hard linked files have the same permissions and owner.
- C. The hard linked files share the same inode.
- D. The hard linked files are indicated by a -> when listed with ls -l.
- E. The hard linked files must be on the same filesystem.

**Answer:** BCE

#### NEW QUESTION 209

- (Exam Topic 4)

Which of the following are filesystems which can be used on Linux root partitions? (Choose two.)

- A. NTFS
- B. ext3
- C. XFS
- D. VFAT
- E. swap

**Answer:** BE

#### NEW QUESTION 212

- (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 217

- (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 218

- (Exam Topic 4)

Which chown command will change the ownership to dave and the group to staff on a file named data.txt?

- A. chown dave/staff data.txt
- B. chown -u dave -g staff data.txt
- C. chown --user dave --group staff data.txt
- D. chown dave:staff data.txt

**Answer:** D

#### NEW QUESTION 219

- (Exam Topic 4)

Which of the following commands can be used to display the inode number of a given file?

- A. inode
- B. ls
- C. ln
- D. cp

**Answer:** B

#### NEW QUESTION 220

- (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 225

- (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 228

- (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 231

- (Exam Topic 4)

Which command shows all shared libraries required by a binary executable or another shared library? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
ldd

#### NEW QUESTION 233

- (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 238

- (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 243

- (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 245

- (Exam Topic 4)

Which of the following file permissions belong to a symbolic link?

- A. -rwxrwxrwx
- B. +rwxrwxrwx
- C. lrwxrwxrwx
- D. srwxrwxrwx

**Answer:** C

#### NEW QUESTION 250

- (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 251

- (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 254

- (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 259

- (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 260

- (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 262

- (Exam Topic 5)

Which of the following properties of a Linux system should be changed when a virtual machine is cloned? (Choose two.)

- A. The partitioning scheme
- B. The file system
- C. The D-Bus Machine ID
- D. The permissions of /root/
- E. The SSH host keys

**Answer:** DE

#### NEW QUESTION 267

- (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 268

- (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 271

- (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 273

- (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 278

- (Exam Topic 5)

When redirecting the output of find to the xargs command, what option to find is useful if the filenames contain spaces?

- A. -rep-space
- B. -printrul
- C. -nospace
- D. -ignore-space
- E. -print0

**Answer:** E

#### NEW QUESTION 281

- (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 285

- (Exam Topic 5)

Consider the following output from the command ls -li:

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 288

- (Exam Topic 5)

Which of the following files exist in a standard GRUB 2 installation? (Choose two.)

- A. /boot/grub/stages/stage0
- B. /boot/grub/i386-pc/vm.mod
- C. /boot/grub/fstab
- D. /boot/grub/grub.cfg
- E. /boot/grub/linux/vmlinuz

**Answer:** BD

#### NEW QUESTION 293

- (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 296

- (Exam Topic 5)

Which of the following commands changes all CR-LF line breaks in the text file userlist.txt to Linux standard LF line breaks and stores the result in newlist.txt?

- A. tr -d '\r' < userlist.txt > newlist.txt
- B. tr -c '\n\r' '' <newlist.txt> userlist.txt
- C. tr '\r\n' '' <userlist.txt> newlist.txt
- D. tr '\r' '\n' userlist.txt newlist.txt
- E. tr -s '/^M/^J/' userlist.txt newlist.txt

**Answer:** A

#### NEW QUESTION 299

- (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 303

- (Exam Topic 5)

What does the command mount --bind do?

- A. It makes the contents of one directory available in another directory
- B. It mounts all available filesystems to the current directory
- C. It mounts all user mountable filesystems to the user's home directory
- D. It mounts all file systems listed in /etc/fstab which have the option userbind set
- E. It permanently mounts a regular file to a directory

**Answer:** A

#### NEW QUESTION 308

- (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 309

- (Exam Topic 5)

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. cut -d : -f 1,4 /etc/passwd
- C. sort -t : -k 1,4 /etc/passwd
- D. paste -f 1,4 /etc/passwd
- E. split -c 1,4 /etc/passwd

**Answer:** B

#### NEW QUESTION 311

- (Exam Topic 5) Given the following input stream:

txt1.txt

atxt.txt

txtB.txt

Which of the following regular expressions turns this input stream into the following output stream? txt1.bak.txt

atxt.bak.txt

txtB.bak.txt

A. s/^txt/.bak/

B. s/txt/bak.txt/

C. s/txt\$/bak.txt/

D. s/^txt\$/bak^/

E. s/[.txt]/.bak\$1/

**Answer:** B

#### NEW QUESTION 313

- (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 317

- (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 320

- (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 dbmaint

B. dbmaint &>/dev/pts/null

C. nohup dbmaint &

D. bg dbmaint

E. wait dbmaint

**Answer:** D

#### NEW QUESTION 325

Which Bash environment variable defines in which file the user history is stored when exiting a Bash process? (Specify ONLY the variable name.)

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

HISTFILE

#### NEW QUESTION 326

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 329**

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