



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 statements is correct when talking about /proc/?

- A. All changes to files in /proc/ are stored in /etc/proc.d/ and restored on reboot.
- B. All files within /proc/ are read-only and their contents cannot be changed.
- C. All changes to files in /proc/ are immediately recognized by the kernel.
- D. All files within /proc/ are only readable by the root user.

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

What information can the lspci command display about the system hardware? (Choose THREE correct answers.)

- A. Device IRQ settings
- B. PCI bus speed
- C. System battery type
- D. Device vendor identification
- E. Ethernet MAC address

Answer: ABD

NEW QUESTION 3

- (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 4

- (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 5

- (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 6

- (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 7

- (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 8

- (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 9

- (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 10

- (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 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 13

- (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 14

- (Exam Topic 2)

Which RPM command will output the name of the package which supplied the file /etc/exports?

- A. rpm -F /etc/exports
- B. rpm -qf /etc/exports
- C. rpm -Kl /etc/exports
- D. rpm -qp /etc/exports
- E. rpm -qi/etc/exports

Answer: B

NEW QUESTION 15

- (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 17

- (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 19

- (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 24

- (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 28

- (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 31

- (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 36

- (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 37

- (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 40

- (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 43

- (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 48

- (Exam Topic 3)

Which variable defines the directories in which a Bash shell searches for executable commands?

- A. BASHEXEC
- B. BASHRC
- C. PATH
- D. EXECPATH
- E. PATHRC

Answer: C

NEW QUESTION 51

- (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 53

- (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 58

- (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 60

- (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 64

- (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 68

- (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 69

- (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 72

- (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 75

- (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 78

- (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 82

- (Exam Topic 3)

Which signal is missing from the following command that is commonly used to instruct a daemon to reinitialize itself, including reading configuration files?

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

`killall -s _____ daemon`
HUP, SIGHUP, 1

NEW QUESTION 87

- (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 92

- (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 97

- (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 100

- (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 103

- (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 108

- (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. lsmounts
- E. cat /proc/filesystems

Answer: AC

NEW QUESTION 109

- (Exam Topic 4)

Which command is used to create and initialize the files used to store quota information? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

quotacheck

NEW QUESTION 111

- (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 116

- (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 120

- (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 124

- (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 128

- (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 132

- (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 137

- (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 138

- (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 139

- (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 142

- (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 145

- (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 146

- (Exam Topic 4)

Which of the following is a limitation of the cut command?

- A. The cut command can only select output by field position.
- B. The cut command cannot reorder fields.
- C. The cut command only works on ASCII text.
- D. The cut command cannot use different input and output delimiters.

Answer: B

NEW QUESTION 149

- (Exam Topic 4)

Which of the following commands changes all occurrences of the word "bob" in file data to "Bob" and prints the result to standard output?

- A. sed '/bob/Bob' data
- B. sed 's/bob/Bob/g' data
- C. sed 's/bob/Bob/' data
- D. sed '/bob/Bob/' data
- E. sed 's/bob,Bob/' data

Answer: B

NEW QUESTION 153

- (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 154

- (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 157

- (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 161

- (Exam Topic 4)

Creating a hard link to an ordinary file returns an error. What could be the reason for this?

- A. The source file is hidden.
- B. The source file is read-only.
- C. The source file is a shell script.
- D. The source file is already a hard link.
- E. The source and the target are on different filesystems.

Answer: E

NEW QUESTION 164

- (Exam Topic 4)

Which of the following commands makes /bin/foo executable by everyone but writable only by its owner?

- A. `chmod u=rwx,go=rx /bin/foo`
- B. `chmod o+rwx,a+rx /bin/foo`
- C. `chmod 577 /bin/foo`
- D. `chmod 775 /bin/foo`

Answer: A

NEW QUESTION 169

- (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 174

- (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 176

- (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 178

- (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 179

- (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 181

- (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 185

- (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 189

- (Exam Topic 4)

Which of the following command lines creates or, in case it already exists, overwrites a file called data with the output of ls?

- A. ls 3> data
- B. ls >& data
- C. ls > data
- D. ls >> data

Answer: C

NEW QUESTION 191

- (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 194

- (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 199

- (Exam Topic 4)

After running the command `umount /mnt`, the following error message is displayed: `umount: /mnt: device is busy`. What is a common reason for this message?

- A. The kernel has not finished flushing disk writes to the mounted device.
- B. A user has a file open in the `/mnt` directory.
- C. Another file system still contains a symlink to a file inside `/mnt`.
- D. The files in `/mnt` have been scanned and added to the locate database.
- E. The kernel thinks that a process is about to open a file in `/mnt` for reading.

Answer: B

NEW QUESTION 203

- (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 206

- (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 209

- (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 213

- (Exam Topic 4)

Which of the following commands can be used to search for the executable file `foo` when it has been placed in a directory not included in `$PATH`?

- A. `apropos`
- B. `which`
- C. `find`
- D. `query`
- E. `whereis`

Answer: C

NEW QUESTION 215

- (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 217

- (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 221

- (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 225

- (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 228

- (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 232

- (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 234

- (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 238

- (Exam Topic 5)

Which program runs a command in specific intervals and refreshes the display of the program's output? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

watch

NEW QUESTION 242

- (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 246

- (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 251

- (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 252

- (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 255

- (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 256

- (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 260

- (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 265

- (Exam Topic 5)

What output will be displayed when the user fred executes the following command? echo 'fred \$USER'

- A. fred fred
- B. fred /home/fred/
- C. 'fred \$USER'
- D. fred \$USER
- E. 'fred fred'

Answer: A

NEW QUESTION 267

- (Exam Topic 5)

Given a log file loga.log with timestamps of the format DD/MM/YYYY:hh:mm:ss, which command filters out all log entries in the time period between 8:00 am and 8:59 am?

- A. grep -E ':08:[09]+:[09]+' loga.log
- B. grep -E ':08:[00]+' loga.log
- C. grep -E loga.log ':08:[0-9]+:[0-9]+'
- D. grep loga.log ':08:[0-9]:[0-9]'
- E. grep -E ':08:[0-9]+:[0-9]+' loga.log

Answer: E

NEW QUESTION 272

- (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 275

- (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 277

- (Exam Topic 5)

Which of the following files, located in a user's home directory, contains the Bash history?

- A. .bashrc_history
- B. .bash_histfile
- C. .history
- D. .bash_history

E. .history_bash

Answer: B

NEW QUESTION 280

- (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 283

- (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 286

- (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 287

- (Exam Topic 5)

Which of the following vi commands deletes two lines, the current and the following line?

- A. d2
- B. 2d
- C. 2dd
- D. dd2
- E. de12

Answer: C

NEW QUESTION 289

- (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 291

- (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 294

- (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 299

- (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 301

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 304

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 308

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 311

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