

LPI

Exam Questions 010-160

Linux Essentials Certificate Exam - version 1.6



NEW QUESTION 1

What is defined by a Free Software license?

- A. Details of the technical documentation each contributor has to provide.
- B. The programming languages which may be used to extend the licensed program.
- C. A complete list of libraries required to compile the licensed software.
- D. Limits on the purposes for which the licensed software may be used.
- E. Conditions for modifying and distributing the licensed software.

Answer: E

NEW QUESTION 2

Which of the following outputs comes from the command free?

- A. A. 21:04:15 up 14 days, 7:43, 3 users, load average: 0.89, 1.00, 0.99
- B.

```
avg-cpu:  %user   %nice   %system  %iowait  %steal   %idle
           34.04    0.03    13.88    1.06    0.00    50.99
```
- C.

```
Filesystem      Size      Used      Avail  Use%  Mounted on
/dev/mapper/vg_ssd-root 25G      20G      3.6G    85%   /
```
- D. 1.8M /tmp
- E.

```
              total        used        free      shared  buff/cache   available
Mem:  16123128    12565680    2011624    412128    1545824     7180416
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: E

NEW QUESTION 3

What are the differences between hard disk drives and solid state disks? (Choose two correct answers.)

- A. Hard disks have a motor and moving parts, solid state disks do not.
- B. Hard disks can fail due to physical damage, while solid state disks cannot fail.
- C. Solid state disks can store many times as much data as hard disk drives.
- D. /dev/sda is a hard disk device while /dev/ssda is a solid state disk.
- E. Solid state disks provide faster access to stored data than hard disks.

Answer: AE

NEW QUESTION 4

What are the differences between a private web browser window and a regular web browser window? (Choose three.)

- A. Private web browser windows do not allow printing or storing websites.
- B. Private web browser windows do not store cookies persistently.
- C. Private web browser windows do not support logins into websites.
- D. Private web browser windows do not keep records in the browser history.
- E. Private web browser windows do not send regular stored cookies.

Answer: BDE

NEW QUESTION 5

A new server needs to be installed to host services for a period of several years. Throughout this time, the server should receive important security updates from its Linux distribution.

Which of the following Linux distributions meet these requirements? (Choose two.)

- A. Ubuntu Linux LTS
- B. Fedora Linux
- C. Debian GNU/Linux Unstable
- D. Ubuntu Linux non-LTS
- E. Red Hat Enterprise Linux

Answer: AE

NEW QUESTION 6

Which of the following types of bus can connect hard disk drives with the motherboard?

- A. The RAM bus
- B. The NUMA bus
- C. The CPU bus
- D. The SATA bus
- E. The Auto bus

Answer: D

NEW QUESTION 7

Which of the following statements regarding Linux hardware drivers is correct?

- A. Drivers are regular Linux programs which have to be run by the user who wants to use a device.
- B. Drivers are not used by Linux because the BIOS handles all access to hardware on behalf of Linux.
- C. Drivers are stored on their devices and are copied by the Linux kernel when a new device is attached
- D. Drivers are downloaded from the vendor's driver repository when a new device is attached.
- E. Drivers are either compiled into the Linux kernel or are loaded as kernel modules.

Answer: E

NEW QUESTION 8

Which of the following commands adds the directory /new/dir/ to the PATH environment variable?

- A. \$PATH=/new/dir: \$PATH
- B. PATH=/new/dir: PATH
- C. export PATH=/new/dir: PATH
- D. export \$PATH=/new/dir: \$PATH
- E. export PATH=/new/dir: \$PATH

Answer: E

NEW QUESTION 9

Which files are the source of the information in the following output? (Choose two.) uid=1000 (bob) gid=1000 (bob) groups=1000 (bob), 10 (wheel), 150 (docker), 1001 (libvirt)(wireshark),989

- A. /etc/id
- B. /etc/passwd
- C. /etc/group
- D. /home/index
- E. /var/db/users

Answer: BC

NEW QUESTION 10

What is true about links in a Linux file system?

- A. A symbolic link can only point to a file and not to a directory.
- B. A hard link can only point to a directory and never to a file.
- C. When the target of the symbolic link is moved, the link is automatically updated.
- D. A symbolic link can point to a file on another file system.
- E. Only the root user can create hard links.

Answer: D

NEW QUESTION 10

Which permissions are set on a regular file once the permissions have been modified with the command chmod 654 file.txt?

- A. drw-r-xr-
- B. d—wxr-x-
- C. -wxr-x--x
- D. -rwxrw---x
- E. -rw-r-xr-

Answer: E

NEW QUESTION 11

FILL BLANK

What keyword is used in a shell script to begin a loop? (Specify one keyword only, without any additional information.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
for

NEW QUESTION 14

Which of the following commands creates an archive file work.tar from the contents of the directory ./work/?

- A. tar --new work.tar ./work/
- B. tar -cf work.tar ./work/
- C. tar -create work.tgz -content ./work/
- D. tar work.tar < ./work/
- E. tar work > work.tar

Answer: B

NEW QUESTION 15

Which of the following commands will search for the file foo.txt under the directory /home?

- A. search /home -file foo.txt
- B. search /home fo
- C. txt
- D. find /home - file foo.txt
- E. find /home -name foo.txt
- F. find /home foo.txt

Answer: D

NEW QUESTION 18

Which of the following programs are web servers? (Choose two.)

- A. Apache HTTPD
- B. Postfix
- C. Curl
- D. Dovecot
- E. NGINX

Answer: AE

NEW QUESTION 20

Which of the following Linux Distributions is derived from Red Hat Enterprise Linux?

- A. Raspbian
- B. openSUSE
- C. Debian
- D. Ubuntu
- E. CentOS

Answer: E

NEW QUESTION 23

Which of the following values could be a process ID on Linux?

- A. /bin/bash
- B. 60b503cd-019e-4300-a7be-922f074ef5ce
- C. /sys/pid/9a14
- D. fff3
- E. 21398

Answer: E

NEW QUESTION 25

Which of the following directories contains information, documentation and example configuration files for installed software packages?

- A. /usr/share/doc/
- B. /etc/defaults/
- C. /var/info/
- D. /doc/
- E. /usr/examples/

Answer: A

NEW QUESTION 30

Which command copies the contents of the directory /etc/, including all sub-directories, to /root/?

- A. copy /etc /root
- B. cp -r /etc/* /root
- C. cp -v /etc/* /root
- D. rcp /etc/* /root
- E. cp -R /etc/*.* /root

Answer: B

NEW QUESTION 33

Which of the following tar options handle compression? (Choose two correct answers.)

- A. -bz
- B. -z
- C. -g
- D. -j
- E. -z2

Answer: BD

NEW QUESTION 38

What is true about the su command?

- A. It is the default shell of the root account.
- B. It can only be used by the user root.
- C. It runs a shell or command as another user.
- D. It changes the name of the main administrator account.
- E. It locks the root account in specific time frames.

Answer: C

NEW QUESTION 41

Which of the following commands sets the variable USERNAME to the value bob?

- A. set USERNAME bob
- B. \$USERNAME==bob
- C. var USERNAME=bob
- D. USERNAME<=bob
- E. USERNAME=bob

Answer: E

NEW QUESTION 42

Which of the following programs is a graphical editor for vector graphics?

- A. Python
- B. NGINX
- C. Samba
- D. Inkscape
- E. MySQL

Answer: D

NEW QUESTION 45

What is a Linux distribution?

- A. The Linux file system as seen from the root account after mounting all file systems.
- B. A bundling of the Linux kernel, system utilities and other software.
- C. The set of rules which governs the distribution of Linux kernel source code.
- D. An operating system based on Linux but incompatible to the regular Linux kernel.
- E. A set of changes to Linux which enable Linux to run on another processor architecture.

Answer: B

NEW QUESTION 47

The ownership of the file doku.odt should be changed. The new owner is named tux. Which command accomplishes this change?

- A. chmod u=tux doku.odt
- B. newuser doku.odt tux
- C. chown tux doku.odt
- D. transfer tux: doku.odt
- E. passwd doku.odt:tux

Answer: C

NEW QUESTION 52

Which of the following devices represents a hard disk partition?

- A. /dev/ttyS0
- B. /dev/sata0
- C. /dev/part0
- D. /dev/sda2
- E. /dev/sda/p2

Answer: D

NEW QUESTION 55

Which of the following permissions are set on the /tmp/ directory?

- A. rwxrwxrwt
- B. -----rwX
- C. rwSrW-rw
- D. rwxrwS--
- E. r-xr-X--t

Answer: A

NEW QUESTION 60

Which of the following commands are used to get information on the proper use of ls? (Choose two correct answers.)

- A. option ls
- B. usage ls
- C. manual ls
- D. man ls
- E. info ls

Answer: DE

NEW QUESTION 64

What is the preferred source for the installation of new applications in a Linux based operating system?

- A. The vendor's version management system
- B. A CD-ROM disk
- C. The distribution's package repository
- D. The vendor's website
- E. A retail store

Answer: C

NEW QUESTION 67

Which of the following statements is true about Free Software?

- A. It is developed by volunteers only.
- B. It may be modified by anyone using it.
- C. It must always be available free of charge.
- D. It only runs on Linux.
- E. It is only distributed as a compiled binary.

Answer: B

NEW QUESTION 71

The current directory contains the following file:

```
-rw-r--r-- 1 root exec 24551 Apr 2 12:36 test.sh
```

The file contains a valid shell script, but executing this file using ./test.sh leads to this error: bash: ./test.sh: Permission denied

What should be done in order to successfully execute the script?

- A. The file's extension should be changed from .sh to .bin.
- B. The execute bit should be set in the file's permissions.
- C. The user executing the script should be added to the exec group.
- D. The SetUID bit should be set in the file's permissions
- E. The script should be run using #!./tes
- F. sh instead of ./test.sh.

Answer: B

NEW QUESTION 73

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