

# LPI

## Exam Questions 010-160

Linux Essentials Certificate Exam - version 1.6



#### NEW QUESTION 1

Which statements about the directory /etc/skel are correct? (Choose two.)

- A. The personal user settings of root are stored in this directory.
- B. The files from the directory are copied to the home directory of the new user when starting the system.
- C. The files from the directory are copied to the home directory of a new user when the account is created.
- D. The directory contains a default set of configuration files used by the useradd command.
- E. The directory contains the global settings for the Linux system.

**Answer:** CD

#### NEW QUESTION 2

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 3

Which of the following directories must be mounted with read and write access if it resides on its own dedicated file system?

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

**Answer:** D

#### NEW QUESTION 4

Which of the following commands sorts the output of the command export-logs?

- A. export-logs < sort
- B. export-logs > sort
- C. export-logs & sort
- D. export-logs | sort
- E. export-logs <> sort

**Answer:** D

#### NEW QUESTION 5

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 6

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 7

What is true about a recursive directory listing?

- A. It includes the content of sub-directories.
- B. It includes the permissions of the directory listed.

- C. It includes details of file system internals, such as inodes.
- D. It includes ownership information for the files.
- E. It includes a preview of content for each file in the directory.

**Answer:** A

#### NEW QUESTION 8

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 9

Which of the following DNS record types hold an IP address? (Choose two.)

- A. NS
- B. AAAA
- C. MX
- D. A
- E. CNAME

**Answer:** CD

#### NEW QUESTION 10

Which package management tool is used in Red Hat-based Linux Systems?

- A. portage
- B. rpm
- C. apt-get
- D. dpkg
- E. packagectl

**Answer:** B

#### NEW QUESTION 10

Which command displays file names only and no additional information?

- A. ls -a
- B. ls -lh
- C. ls -l
- D. ls -alh
- E. ls -nl

**Answer:** A

#### NEW QUESTION 12

Which of the following commands creates the ZIP archive poems.zip containing all files in the current directory whose names end in .txt?

- A. zip \*.txt > poems.zip
- B. zcat \*.txt poems.zip
- C. zip poems.zip \*.txt
- D. zip cfz poems.zip \*.txt
- E. cat \*.txt | zip poems.zip

**Answer:** C

#### NEW QUESTION 14

Which of the following statements are true regarding a typical shell script? (Choose two.)

- A. It has the executable permission bit set.
- B. It starts with the two character sequence #!.
- C. It is located in /usr/local/scripts/.
- D. It is located in /etc/bash/scripts/.
- E. It is compiled into a binary file compatible with the current machine architecture.

**Answer:** AE

#### NEW QUESTION 18

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 22

A directory contains the following files:

a.txt

b.txt

c.cav

What would be the output of the following shell script? for file in \*.txt

```
do
    echo $file
done
```

- A. \*.txt
- B. a b
- C. c.cav
- D. A.txt
- E. txt
- F. txt

**Answer:** E

#### NEW QUESTION 27

What is the return value of a shell script after successful execution?

- A. 1
- B. -1
- C. -255
- D. 255

**Answer:** B

#### NEW QUESTION 28

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 29

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 30

Which of the following commands finds all lines in the file operating-systems.txt which contain the term linux, regardless of the case?

- A. igrep linux operating-systems.txt
- B. less -i linux operating-systems.txt
- C. grep -i linux operating-systems.txt
- D. cut linux operating-systems.txt
- E. cut [Ll] [Ii] [Nn] [Uu] [Xx] operating-systems.txt

**Answer:** C

#### NEW QUESTION 34

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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 36

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 39

What parameter of ls prints a recursive listing of a directory's content? (Specify ONLY the option name without any values or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

ls -R

#### NEW QUESTION 42

Which of the following commands extracts the contents of the compressed archive file1.tar.gz?

- A. tar -czf file1.tar.gz
- B. ztar file1.tar.gz
- C. tar -xzf file1.tar.gz
- D. tar --extract file1.tar.gz
- E. detar file1.tar.gz

**Answer:** C

#### NEW QUESTION 44

Running the command rm Downloads leads to the following error: rm: cannot remove 'Downloads/': Is a directory

Which of the following commands can be used instead to remove Downloads, assuming Downloads is empty? (Choose two correct answers.)

- A. undir Downloads
- B. rmdir Downloads
- C. dir -r Downloads
- D. rem Downloads
- E. rm -r Downloads

**Answer:** BE

#### NEW QUESTION 48

Which one of the following statements concerning Linux passwords is true?

- A. All passwords can be decrypted using the system administrator's master password.
- B. Passwords may never start with a non-letter.
- C. Users cannot change their password once it has been set.
- D. Passwords are only stored in hashed form.
- E. Passwords may be at most six characters long.

**Answer:** D

#### NEW QUESTION 50

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 53

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 58

What information can be displayed by top?

- A. Existing files, ordered by their size.
- B. Running processes, ordered by CPU or RAM consumption.
- C. User accounts, ordered by the number of logins.
- D. User groups, ordered by the number of members.
- E. User accounts, ordered by the number of files.

**Answer:** B

#### NEW QUESTION 62

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 63

Which of the following outputs could stem from the command last?

- A. 1 ls 2 cat text.txt 3 logout
- B. Password for user last changed at Sat Mar 31 16:38:57 EST 2018
- C. Last login: Fri Mar 23 10:56:39 2018 from server.example.com
- D. EXT4-fs (dm-7): mounted filesystem with ordered data mod
- E. Opts: (null)
- F. root tty2 Wed May 17 21:11 - 21:11 (00:00)

**Answer:** E

#### NEW QUESTION 65

The file script.sh in the current directory contains the following content:

```
#!/bin/bash echo $MYVAR
```

The following commands are used to execute this script: MYVAR=value

```
./script.sh
```

The result is an empty line instead of the content of the variable MYVAR. How should MYVAR be set in order to make script.sh display the content of MYVAR?

- A. !MYVAR=value
- B. env MYVAR=value
- C. MYVAR=value
- D. \$MYVAR=value
- E. export MYVAR=value

**Answer:** E

#### NEW QUESTION 68

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 70

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 72

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