



# LPI

## Exam Questions 010-160

Linux Essentials Certificate Exam - version 1.6

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#### NEW QUESTION 1

Which of the following characters in a shell prompt indicates the shell is running with root privileges?

- A. !
- B. #
- C. \*
- D. &
- E. \$

**Answer:** B

#### NEW QUESTION 2

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 3

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 4

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

- A. rwxrwxrwt
- B. -----rwx
- C. rwSrwx-rw
- D. rwxrwS--
- E. r-xr-X--t

**Answer:** A

#### 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 current directory contains the following file:

-rwxr-xr-x 1 root root 859688 Feb 7 08:15 test.sh

Given that the file is a valid shell script, how can this script be executed? (Choose two correct answers.)

- A. run test.sh
- B. \${test.sh}
- C. cmd ./test.sh
- D. ./test.sh
- E. bash test.sh

**Answer:** DE

#### NEW QUESTION 7

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 8

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 9

Which of the following tasks can the command passwd accomplish? (Choose two.)

- A. Change a user's username.
- B. Change a user's password.
- C. Create a new user account.
- D. Create a new user group.
- E. Lock a user account.

**Answer:** CE

#### 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 11

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 14

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 17

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 21

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

What is the UID of the user root?

- A. 1
- B. -1
- C. 255
- D. 65536

**Answer:** E

#### NEW QUESTION 26

What information is stored in /etc/passwd? (Choose three correct answers.)

- A. The user's storage space limit
- B. The numerical user ID
- C. The username
- D. The encrypted password
- E. The user's default shell

**Answer:** BCD

#### NEW QUESTION 30

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 35

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 38

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 43

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 48

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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 49

Reverse DNS assigns hostnames to IP addresses. How is the name of the IP address 198.51.100.165 stored on a DNS server?

- A. In the A record for 165.100.51.198.ipv4.arpA.
- B. In the PTR record for 165.100.51.198.in-addr.arpA.
- C. In the RNAME record for 198-51-100-165.rev.arpA.
- D. In the ARPA record for 165.100.51.198.rev.
- E. In the REV record for arpA.in-addr.198.51.100.165.

**Answer:** B

#### NEW QUESTION 53

What is true about the dmesg command? (Choose two correct answers.)

- A. It traces the execution of a command and shows each step the program carries out.
- B. It sends messages to the command lines of all current user sessions.
- C. It displays the content of the Linux kernel's ring buffer.
- D. It immediately outputs all new messages written to the system journal.
- E. It might not display older information because it was overwritten by newer information.

**Answer:** CE

#### NEW QUESTION 56

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 59

Which command adds the new user tux and creates the user's home directory with default configuration files?

- A. defaultuser tux
- B. useradd -m tux

- C. usercreate tux
- D. useradd -o default tux
- E. passwd -a tux

**Answer:** B

#### NEW QUESTION 63

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 65

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 70

What can be found in the /proc/ directory?

- A. One directory per installed program.
- B. One device file per hardware device.
- C. One file per existing user account.
- D. One directory per running process.
- E. One log file per running service.

**Answer:** D

#### NEW QUESTION 73

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 78

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 81

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