

Exam Questions 010-160

Linux Essentials Certificate Exam - version 1.6

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NEW QUESTION 1

Most commands on Linux can display information on their usage. How can this information typically be displayed?

- A. By running the command with the option `/?` or `/??`.
- B. By running the command with the option `?!` or `?=!`.
- C. By running the command with the option `/doc` or `/documentation`.
- D. By running the command with the option `-h` or `--help`.
- E. By running the command with the option `-m` or `--manpage`.

Answer: E

NEW QUESTION 2

What happens to a file residing outside the home directory when the file owner's account is deleted? (Choose two.)

- A. During a file system check, the file is moved to `/lost +found`.
- B. The file is removed from the file system.
- C. The UID of the former owner is shown when listing the file's details.
- D. The user root is set as the new owner of the file.
- E. Ownership and permissions of the file remain unchanged.

Answer: CE

NEW QUESTION 3

A directory contains the following three files:

texts 1.txt

texts 2.txt

texts 3.csv

Which command copies the two files ending in `.txt` to the `/tmp/` directory?

- A. `cp ?? .txt /tmp/`
- B. `cp *.txt /tmp/`
- C. `c`
- D. `\.txt /tmp/`
- E. `cp ?.txt /tmp/`
- F. `cp $?.txt /tmp/`

Answer: B

NEW QUESTION 4

Members of a team already have experience using Red Hat Enterprise Linux. For a small hobby project, the team wants to set up a Linux server without paying for a subscription. Which of the following Linux distributions allows the team members to apply as much of their Red Hat Enterprise Linux knowledge as possible?

- A. Ubuntu Linux LTS
- B. Raspbian
- C. Debian GNU/Linux
- D. CentOS
- E. openSUSE

Answer: D

NEW QUESTION 5

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 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

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 8

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 9

A user is currently in the directory /home/user/Downloads/ and runs the command ls ../Documents/ Assuming it exists, which directory's content is displayed?

- A. /home/user/Documents/
- B. /home/user/Documents/Downloads/
- C. /home/user/Downloads/Documents/
- D. /Documents/
- E. /home/Documents

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 10

What is true about the owner of a file?

- A. Each file is owned by exactly one user and one group.
- B. The owner of a file always has full permissions when accessing the file.
- C. The user owning a file must be a member of the file's group.
- D. When a user is deleted, all files owned by the user disappear.
- E. The owner of a file cannot be changed once it is assigned to an owner.

Answer: A

NEW QUESTION 15

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 17

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 19

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 22

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 23

Which of the following are typical services offered by public cloud providers? (Choose three correct answers.)

- A. Platform as a Service(PaaS)
- B. Infrastructure as a Service(IaaS)
- C. Internet as a Service(IaaS)
- D. Graphics as a Service (GaaS)
- E. Software as a Service (SaaS)

Answer: ABE

NEW QUESTION 26

What command displays manual pages? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

man

NEW QUESTION 27

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 31

How is a new Linux computing instance provisioned in an IaaS cloud?

- A. The standard Linux installer has to be run through a remote console.
- B. After buying a Linux distribution, its vendor delivers it to a cloud instance.
- C. The installation has to be prepared in a local virtual machine which is then copied to the cloud.
- D. The cloud hosting organization provides a set of pre-prepared images of popular Linux distributions.
- E. A provider-specific configuration file describing the desired installation is uploaded to the cloud provider.

Answer: E

NEW QUESTION 34

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 37

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 41

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 43

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 48

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 51

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 53

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 58

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 60

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 63

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 67

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 68

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 71

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