

Exam Questions 010-160

Linux Essentials Certificate Exam - version 1.6

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NEW QUESTION 1

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 2

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 3

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 4

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 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

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 7

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 8

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 9

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 10

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 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 11

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 12

Which of the following is a protocol used for automatic IP address configuration?

- A. NFS
- B. LDAP
- C. SMTP
- D. DNS
- E. DHCP

Answer: E

NEW QUESTION 13

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 16

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 19

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 20

Where is the operating system of a Raspberry Pi stored?

- A. On the master device attached to the Raspberry Pi's IDE bus.
- B. On a read only partition on the Raspberry Pi's firmware, next to the BIOS.
- C. On a removable SD card which is put into the Raspberry Pi.
- D. On a Linux extension module connected to the Raspberry Pi's GPIO pins.
- E. On rewritable flash storage which is built into the Raspberry Pi.

Answer: C

NEW QUESTION 23

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 28

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 32

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

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

Answer: B

NEW QUESTION 34

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 39

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 42

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 45

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 48

Which of the following commands puts the lines of the file data.csv into alphabetical order?

- A. a..z data.csv
- B. sort data.csv
- C. abc data.csv
- D. wc -s data.csv
- E. grep --sort data.csv

Answer: B

NEW QUESTION 49

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 54

Why are web browser cookies considered dangerous?

- A. Cookies support identification and tracking of users.
- B. Cookies are always public and accessible to anyone on the internet.
- C. Cookies consume significant amounts of storage and can exhaust disk space.
- D. Cookies store critical data which is lost when a cookie is deleted.
- E. Cookies can contain and execute viruses and malware.

Answer: A

NEW QUESTION 57

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 62

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 66

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 71

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 76

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 80

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 85

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 89

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 92

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 96

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 101

What is the purpose of the PATH environment variable?

- A. It allows the execution of commands without the need to know the location of the executable.
- B. It increases security by preventing commands from running in certain locations.
- C. It specifies the location of a user's home directory.
- D. It indicates the location of the default shell to be used when a user logs in.
- E. It contains the absolute path to the current directory.

Answer: A

NEW QUESTION 103

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