

010-150

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Exam 010-150

Linux Essentials Certificate Exam,
Title version 1.5

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Product
80 Q & A
Type

010-150

Экзамен А

QUESTION 1

Which statements are correct regarding distributions? (Choose two)

- A. Programs can be installed manually and without a packet manager.
- B. Only commercial distributions offer regular security updates.
- C. To start a new distribution a Linux International license is needed.
- D. Distributions restrict the user to its supported program packages.
- E. Program packages of one distribution can be adapted for another.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 2

Which of the following is a requirement of the GPL license but not the BSD license?

- A. Users who modify and distribute the software under the GPL license, must make the modifications they made, available to the recipients under the same license.
- B. The GPL license forbids the removal of copyright and license notices from source code files that are distributed.
- C. The GPL license contains a disclaimer of warranty requiring users not to hold the software authors liable for any damages.
- D. The GPL license requires that any legal disputes be settled with the mediation of the Free Software Foundation.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following applications are popular Open Source relational database systems? (Choose two)

- A. PostgreSQL
- B. NoSQL
- C. MySQL
- D. DB/2
- E. MongoDB

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

When using a web browser, what should a user do to prevent private data from being stored locally?



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- A. Browsers can be configured to use a private mode that does not store any data locally.
- B. Set up a second profile and use only that one to access sensitive sites.
- C. Delete the profile directory in the home directory and create a new one after the work is done.
- D. Use the secure versions of the browser available.
- E. There is no way to achieve that because Linux always logs network data.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

Which of the following programs is not a graphical web browser?

- A. Konqueror
- B. Firefox
- C. Links
- D. Opera
- E. Chrome

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 6

What does LAMP mean?

- A. The Linux Advanced Mode Programming Interface which gives advanced capabilities to application developers.
- B. The bus ID of an attached USB device that emits light.
- C. Short for Lightweight Access Management Protocol which synchronizes permissions in a network.
- D. The combination of Linux, Apache, MySQL and PHP or other programming languages.
- E. Short for lamp-tick-clock which is important in distributed network computing.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which of the following software packages is a mail server?

- A. Postfix
- B. Thunderbird
- C. Apache
- D. GIMP
- E. MySQL

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which of the following answers are true for cloud computing? (Choose two)

- A. Cloud Computing provides new tools to manage IT resources.
- B. From the business perspective, Cloud Computing means outsourcing or centralization of IT operations.
- C. Cloud Computing is the opposite of green IT; i.e. the use of fossil, non-regenerative energy for computing.
- D. Cloud Computing implies sharing all information with everyone else in 'the cloud'.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

Which of the following possibilities is only available when using open source software?

- A. Download of all its existing versions.
- B. Free use.
- C. Access to its detailed help manual.

D. Access to its source code.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Which statements are true about virtualization? (Choose two)

- A. Virtualization is not supported by Linux because of its permissions and multi-user requirements.
- B. Virtualization lets you run several operating systems on the same hardware in parallel.
- C. Virtualization is a proprietary technology that has additional licence costs even for Linux.
- D. Virtualization is a pure desktop technology that should not be used on servers.
- E. Virtualization allows separation of services, tasks and users in distinct virtual machines.

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 11

Which of the following is a Linux based operating system for use on mobile devices?

- A. iOS
- B. CentOS
- C. Android
- D. Debian

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Which of the following statements is true for a Linux distribution used in an enterprise environment?

- A. These distributions contain proprietary business-related software.
- B. These distributions contain software versions that have proven to be stable even if it is not the recent version in order to minimize problems.
- C. These distributions always contains the newest versions of all packages to minimize the time to market of new features.
- D. These distributions are only affordable by large companies.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Which one of the following is true about Open Source software?

- A. Open Source software cannot be copied for free.
- B. Open Source software is available for commercial use.
- C. The freedom to redistribute copies must include binary or executable forms of the software but not the source code.
- D. Open Source software is not for sale.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Which of the following services are used for network file systems? (Choose two)

- A. Rumba
- B. Python
- C. Samba

- D. OpenLDAP
- E. NFS

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which of the following is a valid option for a typical command to get its built-in usage information?

- A. -?
- B. -H
- C. help
- D. --manual
- E. help

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:



QUESTION 16

Which of the following commands will output a list of all of the file names, under your home directory and all subdirectories, which have file names ending with .pdf?

- A. search .pdf
- B. ls -name -R '*.pdf'
- C. find /home/*.pdf
- D. find ~ -name '*.pdf'

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:**QUESTION 17**

Which of the following is an example of globbing?

- A. `ls /etc/ 2> files.txt`
- B. `ls /etc/ > files.txt`
- C. `ls /etc/*.txt`
- D. `ls /etc/ | more`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 18**

Which of the following commands increases the number of elements in a directory? (Choose two)

- A. `touch newfile`
- B. `create newfile`
- C. `ls newfile`
- D. `rmdir newdirectory`
- E. `mkdir newdirectory`

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:**QUESTION 19**

Which command is used to make a shell variable known to subsequently executed programs?

- A. `export`

- B. announce
- C. env
- D. transfer
- E. mv

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Which command shows if /usr/bin is in the current shell search path?

- A. cat PATH
- B. echo \$PATH
- C. echo %PATH
- D. cat \$PATH
- E. echo %PATH%



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Which command line can be used to search help files that mention the word "copy"?

- A. man -k copy
- B. whatis copy
- C. man copy
- D. copy help
- E. copy help

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

When creating a new file, what can be done to make the file hidden from the default output of the ls command?

- A. Hide the file with a name commented out with a hash sign like #foobar.txt.
- B. Hide the file with a name beginning with a period like .foobar.txt.
- C. Hide the file with chvis +h filename.
- D. Hide the file with chmod a+h filename.
- E. Hide the file with hide filename.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 23

While deleting all files beginning with the letter a there was still the file Access.txt left. Assuming that it had the correct ownership, why was it not deleted?

- A. Files with extensions need a different treatment.
- B. rm had to be called with the option -R to delete all files.
- C. The file Access.txt was probably opened by another application.
- D. The file Access.txt was hidden.
- E. Linux file names are case sensitive.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which of the following programs is used to search for files in a file system?

- A. locate
- B. showfiles
- C. flocate
- D. search
- E. findfiles

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Given a file called birthdays containing lines like:

YYYY-MM-DD Name

1983-06-02 Tim

1995-12-17 Sue

Which command would you use to output the lines belonging to all people listed whose birthday is in May or June?

- A. `grep '[56]' birthdays`
- B. `grep 05?6? birthdays`
- C. `grep '[0-9]*-0[56]-' birthdays`
- D. `grep 06 birthdays | grep 05`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

What does the exit status 0 indicate about a process?

- A. The process ended without any problems.

- B. The process was terminated by the user.
- C. The process couldn't finish correctly.
- D. The process waited for an input but got none.
- E. The process finished in time.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



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QUESTION 27

Which character starts a comment line in a shell script file?

- A. ;
- B. *
- C. #
- D. /

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

What is the output of the following command?

```
for token in a b c; do  
echo -n ${token};  
done
```

- A. anbn cn
- B. abc
- C. \$token\$token\$token
- D. {a}{b}{c}
- E. a b c

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Which of the following commands can be used to extract content from a tar file?

- A. tar -xvf
- B. tar -vf
- C. tar -e
- D. tar -c
- E. tar v

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

What is the correct command to extract the contents of the archive file download.bz2?

- A. unpack download.bz2
- B. unzip2 download.bz2

- C. bunzip2 download.bz2
- D. unzip download.bz2
- E. uncompress download.bz2

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which command chain will count the number of regular files with the name of foo.txt within /home?

- A. ls -lR /home | grep foo.txt | wc -l
- B. find /home -type f -name foo.txt | wc -l
- C. find /home -name foo.txt -count
- D. find /home -name foo.txt | wc -l
- E. grep -R foo.txt /home | wc -l

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Which of the following command sequences overwrites the file foobar.txt?

- A. echo "QUIDQUIDAGIS" >> foobar.txt
- B. echo "QUIDQUIDAGIS" < foobar.txt
- C. echo "QUIDQUIDAGIS" > foobar.txt
- D. echo "QUIDQUIDAGIS" | foobar.txt

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 33**

Which of the following commands will create an archive file, named backup.tar, containing all the files from the directory /home?

- A. tar /home backup.tar
- B. tar -cf /home backup.tar
- C. tar -xf /home backup.tar
- D. tar -xf backup.tar /home
- E. tar -cf backup.tar /home

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:**QUESTION 34**

How can the normal output of a command be written to a file while discarding the error output?

- A. command >2>file 1&>/dev/null
- B. command < output > /dev/null
- C. command > discard-error > file
- D. command > /dev/null 2&>1 output
- E. command >file 2>/dev/null

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:**QUESTION 35**

How can the current directory and its subdirectories be searched for the file named MyFile.xml?

- A. `find . -name MyFile.xml`
- B. `grep MyFile.xml | find`
- C. `grep -r MyFile.xml .D. less MyFile.xml`
- E. `search Myfile.xml ./`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Which command will display the last line of the file foo.txt?

- A. `head -n 1 foo.txt`
- B. `tail foo.txt`
- C. `last -n 1 foo.txt`
- D. `tail -n 1 foo.txt`

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

The output of the program date should be saved in the variable actdat. What is the correct statement?

- A. `actdat=`date``
- B. `set actdat='date'`
- C. `date | actdat`
- D. `date > $actdat`
- E. `actdat=date`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

The script, script.sh, consists of the following lines:

```
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```

```
#!/bin/bash
```

```
echo $2 $1
```

Which output will appear if the command, ./script.sh test1 test2, is entered?

- A. test1 test2
- B. test2 test1
- C. script.sh test2
- D. script.sh test1
- E. test1 script.sh



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

What two character sequence is present at the beginning of an interpreted script? (Please specify the TWO correct characters only)

- A.
- B.
- C.
- D.

**Correct Answer: Section:
(none)**

Explanation**Explanation/Reference:****QUESTION 40**

What is the output of the following command sequence?

```
for token in a b c; do  
echo -n "$token "  
done
```

- A. anbncn
- B. a b c
- C. "a " "b " "c "
- D. token token token
- E. abc

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 41**

Which of the following commands redirects the output of cmd to the file foo.txt, in which an existing file is overwritten?

- A. cmd || foo.txt
- B. cmd | foo.txt
- C. cmd && foo.txt
- D. cmd >> foo.txt
- E. cmd > foo.txt

Correct Answer: E

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 42

Which of the following commands will set the variable text to olaf is home? (Choose two)

- A. text=olaf\ is\ home
- B. text=\$olaf is home
- C. \$text='olaf is home'
- D. text=='olaf is home'
- E. text="olaf is home"

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

After installing a new package, in which directory are you most likely find its configuration file?

- A. /lib
- B. /conf
- C. /etc
- D. /usrE. /opt

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

With which command can you determine the time of the last restart of a system?

- A. current reboottime
- B. find reboot
- C. expect --reboot
- D. last | reboot

E. last reboot

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Which of the following filesystems is most commonly used for Linux distributions?

A. HFS+

B. ext4

C. FAT32

D. NTFS

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 46

What is the command that will show system boot time messages?



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A. dmesg

B. echo

- C. lspci
- D. display system boot
- E. messages

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Which command will display running process information in real time?

- A. top
- B. show current
- C. ps current
- D. process

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 48

Which files will affect the domain name resolution system on Linux? (Choose two)

- A. /etc/hostname
- B. /etc/nameserver
- C. /etc/hosts
- D. /etc/which
- E. /etc/resolv.conf

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Which of the following Ubuntu releases is considered most stable and fit to use for business purposes?

- A. LTS
- B. Xubuntu
- C. Ubuntu Vanilla
- D. Kubuntu
- E. Server

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Where can a boot loader be installed?

- A. The boot ROM
- B. The MBR on a hard drive
- C. The /boot partition
- D. The boot RAM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Where is the BIOS located?

- A. RAM

- B. hard drive
- C. motherboard
- D. LCD monitor

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

Which of the following is a technology used to connect a hard drive directly to a computer's motherboard?

- A. PCI
- B. Ethernet
- C. DSL
- D. SATA
- E. VGA

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

Which network interface always exists in a Linux system?

- A. lo
- B. sit0
- C. wlan0
- D. vlan0
- E. eth0

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:****QUESTION 54**

Which of the following filesystems is most commonly used for Linux distributions?

- A. HFS+
- B. ext4
- C. FAT32
- D. NTFS

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 55**

A Linux computer has no access to the internet. Which command displays information about the network gateway for the system?

- A. traceroute
- B. ifconfig
- C. gateway
- D. route
- E. ipconfig

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 56**

Which criteria are useful when deciding which operating system to use? (Select THREE answers)

- A. License costs.
- B. Ideological preferences of the system administrator.
- C. Linux can do everything, there is no need for further evaluation.
- D. Availability of mandatory applications and tools.
- E. Skills of the administrators and staff.

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

In which directory are system log files kept?

- A. /log/syslog/
- B. /var/log/
- C. /sys/log/
- D. /var/log/sys/



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

Which command shows, amongst other information, the IP address of the current DNS server for a Linux system?

- A. cat /etc/net/dns.conf
- B. ifconfig -v dns
- C. show net dns
- D. cat /etc/resolv.conf
- E. cat /etc/net/nameserver.conf

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

Which of the following commands can be used to change both the owner AND group settings of a file?

- A. chmod
- B. chage
- C. chuser
- D. chown
- E. chgrp

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 60

Which of the following will change the group that is associated with a file?

- A. chmod
- B. chmod -w
- C. chown
- D. ls -g

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

Which command displays the list of groups to which a user belongs?

- A. whoami
- B. lsgroup
- C. who
- D. id

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

Which of the following is the home folder for the root user?

- A. /user/root
- B. /
- C. /root
- D. /home/root



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

Given a directory with the following information:

drwxrwxrwx 12 tu tg 36864 2012-03-15 /home/directory/

Which of the following statements are true? (Choose two)

- A. Everybody can create files in the directory.
- B. Files in the directory are created with read, write and execute permissions for everyone.
- C. The directory is broken.

- D. Everybody can delete only his own files.
- E. The directory is a security risk.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

Which statement about users and user groups is correct?

- A. A group can only have one main user.
- B. There can be only one user group on a system.
- C. User do not have to belong to a user group.
- D. Every user belongs to a least one user group.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 65

Which of the following properties of a user account determines whether the user is given administrator privileges?

- A. Its primary group ID is 0 (zero).
- B. It is listed first in /etc/passwd
- C. Its username is root.
- D. Its user ID is 0 (zero).
- E. Its GECOS (name) field is set to "System Administrator"

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:**QUESTION 66**

What is the command to change the password of a user?

- A. wpasswd
- B. gpasswd
- C. epasswd
- D. passwd
- E. password

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

What command line will create the user falco with home directory assigned to the group users as primary group?

- A. useradd -g users falco
- B. useradd -f users falco
- C. useradd -m -g users falco
- D. add user falco@users
- E. add -user falco -group users

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



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