

## Exam Questions LFCS

Linux Foundation Certified System Administrator

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#### NEW QUESTION 1

CORRECT TEXT

In an xinetd configuration file, which attribute specifies the network address that will be used to provide the service?

A.

**Answer:** bindinterface

#### NEW QUESTION 2

Which of the following may occur as a consequence of using the command ifconfig? (Choose THREE correct answers.)

- A. New name servers may be added to the resolver configuration.
- B. Network interfaces may become active or inactive.
- C. The routing table may change.
- D. IP addresses may change.
- E. The system's host name may change.

**Answer:** BCD

#### NEW QUESTION 3

Which of the following file permissions belong to a symbolic link?

- A. -rwxrwxrwx
- B. +rwxrwxrwx
- C. lrwxrwxrwx
- D. srwxrwxrwx

**Answer:** C

#### NEW QUESTION 4

Which file used by XDM specifies the default wallpaper?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/xdm.conf
- C. /etc/X11/xdm/Defaults
- D. /etc/X11/defaults.conf

**Answer:** A

#### NEW QUESTION 5

When running the command `sed -e "s/a/b/" /tmp/file >/tmp/file`  
While /tmp/file contains data, why is /tmp/file empty afterwards?

- A. The file order is incorrec
- B. The destination file must be mentioned before the command to ensure redirection.
- C. The command sed did not match anything in that file therefore the output is empty.
- D. When the shell establishes the redirection it overwrites the target file before the redirected command starts and opens it for reading.
- E. Redirection for shell commands do not work using the > characte
- F. It only works using the | character instead.

**Answer:** C

#### NEW QUESTION 6

What is the output of the following command? `echo "Hello World" | tr -d aieou`

- A. Hello World
- B. eoo
- C. Hll Wrld
- D. eoo Hll Wrld

**Answer:** C

#### NEW QUESTION 7

What is true regarding the command `userdel --force --remove bob`? (Choose TWO correct answers.)

- A. The user bob is removed from the system's user database.
- B. The user bob's home directory is removed.
- C. The locate database is updated to drop files owned by bob.
- D. All files owned by bob are remove from all mounted filesystems.
- E. In case bob was the last member of a group, that group is deleted.

**Answer:** AB

#### NEW QUESTION 8

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

**Answer:** C

#### NEW QUESTION 9

Which command can be used to delete a group from a Linux system?

- A. groupdel
- B. groupmod
- C. groups
- D. groupedit

**Answer:** A

#### NEW QUESTION 10

CORRECT TEXT

How many IP-addresses can be used for unique hosts inside the IPv4 subnet

192.168.2.128/28? (Specify the number only without any additional information.)

A.

**Answer:** 14

#### NEW QUESTION 10

What is the purpose of the command mailq?

- A. It fetches new emails from a remote server using POP3 or IMAP.
- B. It is a multi-user mailing list manager.
- C. It is a proprietary tool contained only in the qmail MTA.
- D. It queries the mail queue of the local MTA.
- E. It is a command-line based tool for reading and writing emails.

**Answer:** D

#### NEW QUESTION 13

What is a purpose of an SSH host key?

- A. It must be sent by any SSH client in addition to a user key in order to identify the client's host.
- B. It provides the server's identity information to connecting SSH clients.
- C. It is the root key by which all user SSH keys must be signed.
- D. It authenticates any user that logs into a remote machine from the key's host.
- E. It is used by system services like cron, syslog or a backup job to automatically connect to remote hosts.

**Answer:** B

#### NEW QUESTION 18

Which of the following commands shows the current color depth of the X Server?

- A. xcd
- B. xcdepth
- C. xwininfo
- D. xcolordepth
- E. cat /etc/X11

**Answer:** C

#### NEW QUESTION 23

Which shell command is used to continue background execution of a suspended command?

- A. &
- B. bg
- C. cont
- D. exec
- E. :&

**Answer:** B

#### NEW QUESTION 25

What output will the following command sequence produce?  
echo '1 2 3 4 5 6' | while read a b c; do echo result: \$c \$b \$a;  
done

- A. result: 3 4 5 6 2 1
- B. result: 1 2 3 4 5 6
- C. result: 6 5 4
- D. result: 6 5 4 3 2 1
- E. result: 3 2 1

**Answer:** A

#### NEW QUESTION 27

Which type of filesystem is created by mkfs when it is executed with the block device name only and without any additional parameters?

- A. ext2
- B. ext3
- C. ext4
- D. XFS
- E. VFAT

**Answer:** A

#### NEW QUESTION 31

CORRECT TEXT

Which Bash environment variable defines in which file the user history is stored when exiting a Bash process? (Specify ONLY the variable name.)

- A.

**Answer:** HISTFILE

#### NEW QUESTION 34

Which of the following commands will change the quota for a specific user?

- A. edquota
- B. repquota
- C. quota -e
- D. quota

**Answer:** :A

#### NEW QUESTION 39

Which of the following commands preloads and manages keys that are used for automatic authentication while logging in to other machines using SSH?

- A. sshd
- B. ssh-agent
- C. ssh-keygen
- D. ssh-add

**Answer:** B

#### NEW QUESTION 43

What happens after issuing the command vi without any additional parameters?

- A. vi starts and loads the last file used and moves the cursor to the position where vi was when it last exited.
- B. vi starts and requires the user to explicitly either create a new or load an existing file.
- C. vi exits with an error message as it cannot be invoked without a file name to operate on.
- D. vi starts in command mode and opens a new empty file.
- E. vi starts and opens a new file which is filled with the content of the vi buffer if the buffer contains text.

**Answer:** :D

#### NEW QUESTION 48

Which of the following lines are valid in the file /etc/hosts? (Choose TWO correct answers.)

- A. 2001:db8::15 www.example.com www
- B. www.example.com www 203.0.13.15
- C. 203.0.113.15 www.example.com www
- D. www.example.com,www 203.0.13.15,2001:db8::15
- E. 2003.0.113.15,2001:db8::15 www.example.com www

**Answer:** AC

#### NEW QUESTION 51

Which SysV init configuration file should be modified to disable the ctrl-alt-delete key combination?

- A. /etc/keys
- B. /proc/keys
- C. /etc/inittab
- D. /proc/inittab
- E. /etc/reboot

**Answer:** :C

#### NEW QUESTION 55

CORRECT TEXT

Which umask value will result in the default access permissions of 600 (rw-----) for files and 700 (rwx-----) for directories? (Specify only the numerical umask value.)

A.

**Answer:** 0077077

#### NEW QUESTION 57

Which of the following environment variables overrides or extends the list of directories holding shared libraries?

- A. LD\_LOAD\_PATH
- B. LD\_LIB\_PATH
- C. LD\_LIBRARY\_PATH
- D. LD\_SHARE\_PATH
- E. LD\_RUN\_PATH

**Answer:** C

#### NEW QUESTION 59

Which of the following commands displays the contents of a gzip compressed tar archive?

- A. gzip archive.tgz | tar xvf -
- B. tar ztf archive.tgz
- C. gzip -d archive.tgz | tar tvf -
- D. tar cf archive.tgz

**Answer:** B

#### NEW QUESTION 62

Which of the following files assigns a user to its primary group?

- A. /etc/pgroup
- B. /etc/shadow
- C. /etc/group
- D. /etc/passwd
- E. /etc/gshadow

**Answer:** D

#### NEW QUESTION 64

Which file contains the date of the last change of a user's password?

- A. /etc/gshadow
- B. /etc/passwd
- C. /etc/pwdlog
- D. /etc/shadow
- E. /var/log/shadow

**Answer:** D

#### NEW QUESTION 66

What do the permissions -rwsr-xr-x mean for a binary file when it is executed as a command?

- A. The command is SetUID and it will be executed with the effective rights of the owner.
- B. The command will be executed with the effective rights of the group instead of the owner.
- C. The execute flag is not set for the owner.
- D. Therefore the SetUID flag is ignored.
- E. The command will be executed with the effective rights of the owner and group.

**Answer:** C

#### NEW QUESTION 69

Which approach will provide a listing of the contents in a tar archive?

- A. Use the tar command with -t.
- B. Use the grep command.
- C. Use the find command.
- D. Use the zless command.
- E. Use the zlist command.

**Answer:** A

#### NEW QUESTION 71

In the vi editor, which of the following commands will copy the current line into the vi buffer?

- A. c
- B. cc
- C. 1c
- D. yy
- E. 1y

**Answer:** D

#### NEW QUESTION 72

Which of the following commands is used to change options and positional parameters for a running Bash?

- A. history
- B. set
- C. bashconf
- D. setsh
- E. envsetup

**Answer:** B

#### NEW QUESTION 73

Which of the following commands creates an ext3 filesystem on /dev/sdb1? (Choose TWO correct answers.)

- A. /sbin/mke2fs -j /dev/sdb1
- B. /sbin/mkfs -t ext3 /dev/sdb1
- C. /sbin/mkfs -c ext3 /dev/sdb1
- D. /sbin/mke3fs -j /dev/sdb1

**Answer:** AB

#### NEW QUESTION 77

When given the following command line. echo "foo bar" | tee bar | cat  
Which of the following output is created?

- A. cat
- B. foo bar
- C. tee bar
- D. bar
- E. foo

**Answer:** B

#### NEW QUESTION 78

Which of the following commands can be used to search for the executable file foo when it has been placed in a directory not included in \$PATH?

- A. apropos
- B. which
- C. find
- D. query
- E. whereis

**Answer:** C

#### NEW QUESTION 82

Which of the following programs can be used to determine the routing path to a given destination?

- A. dig
- B. netstat
- C. ping
- D. route
- E. traceroute

**Answer:** E

#### NEW QUESTION 83

CORRECT TEXT

Which command will disable swapping on a device? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** swapoff/sbin/swapoff

#### NEW QUESTION 87

CORRECT TEXT

What is the name of the simple graphical login manager that comes with a vanilla X11 installation? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** xdm

#### NEW QUESTION 88

Which of the following commands replaces each occurrence of 'bob' in the file letter with 'Bob' and writes the result to the file newletter?

- A. sed '/bob/Bob' letter >newletter
- B. sed s/bob/Bob/ letter < newletter
- C. sed 's/bob/Bob' letter > newletter
- D. sed 's/bob/Bob/g' letter > newletter
- E. sed 's/bob, Bob/' letter > newletter

**Answer:** D

#### NEW QUESTION 91

Which of the following statements is correct when talking about /proc/?

- A. All changes to files in /proc/ are stored in /etc/proc.d/ and restored on reboot.
- B. All files within /proc/ are read-only and their contents cannot be changed.
- C. All changes to files in /proc/ are immediately recognized by the kernel.
- D. All files within/proc/ are only readable by the root user.

**Answer:** C

#### NEW QUESTION 93

CORRECT TEXT

With X11 forwarding in ssh, what environment variable is automatically set in the remote host shell that is not set when X11 forwarding is not enabled? (Specify only the environment variable without any additional commands or values.)

A.

**Answer:** DISPLAY\$DISPLAY

#### NEW QUESTION 96

Which of the following commands will help identify a broken router between the local and the remote machine?

- A. ps
- B. netstat
- C. nslookup
- D. ifconfig
- E. traceroute

**Answer:** E

#### NEW QUESTION 97

Given the following routing table:

```
Kernel IP routing table
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface
0.0.0.0          192.168.178.1   0.0.0.0          UG      0      0      0 wlan0
192.168.1.0      0.0.0.0         255.255.255.0    U       0      0      0 eth0
192.168.2.0      192.168.1.1    255.255.255.0    U       0      0      0 eth0
192.168.178.0    0.0.0.0         255.255.255.0    U       9      0      0 wlan0
```

How would an outgoing packet to the destination 192.168.2.150 be handled?

- A. It would be passed to the default router 192.168.178.1 on wlan0.
- B. It would be directly transmitted on the device eth0.
- C. It would be passed to the default router 255.255.255.0 on eth0.
- D. It would be directly transmitted on the device wlan0.
- E. It would be passed to the router 192.168.1.1 on eth0.

**Answer:** E



#### NEW QUESTION 100

To prevent a specific user from scheduling tasks with at, what should the administrator do?

- A. Add the specific user to /etc/at.allow file.
- B. Add the specific user to [deny] section in the /etc/atd.conf file.
- C. Add the specific user to /etc/at.deny file.
- D. Add the specific user to nojobs group.
- E. Run the following: atd --deny [user].

**Answer:** C

#### NEW QUESTION 105

Which function key is used to start Safe Mode in Windows NT?

- A. F10
- B. F8
- C. F6
- D. Windows NT does not support Safe Mode

**Answer:** D

#### NEW QUESTION 107

When the command echo \$\$ outputs 12942, what is the meaning of 12942?

- A. It is the process ID of the echo command.
- B. It is the process ID of the current shell.
- C. It is the process ID of the last command executed.
- D. It is the process ID of the last command which has been placed in the background.

**Answer:** B

#### NEW QUESTION 109

Which of the following commands set the sticky bit for the directory /tmp? (Choose TWO correct answers.)

- A. chmod +s /tmp
- B. chmod +t /tmp
- C. chmod 1775 /tmp
- D. chmod 4775 /tmp
- E. chmod 2775 /tmp

**Answer:** BC

#### NEW QUESTION 114

Which of the following keywords can be used in the file /etc/nsswitch.conf to specify a source for host name lookups? (Choose TWO correct answers.)

- A. resolv
- B. dns
- C. remote
- D. files
- E. hosts

**Answer:** BD

#### NEW QUESTION 118

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

**Answer:** A

#### NEW QUESTION 121

Which of the following IPv4 networks are reserved by IANA for private address assignment and private routing? (Choose THREE correct answers.)

- A. 127.0.0.0/8
- B. 10.0.0.0/8
- C. 169.255.0.0/16
- D. 172.16.0.0/12
- E. 192.168.0.0/16

**Answer:** BDE



#### NEW QUESTION 124

After moving data to a new filesystem, how can the former path of the data be kept intact in order to avoid reconfiguration of existing applications? (Choose TWO correct answers.)

- A. By creating an ACL redirection from the old to the new path of the data.
- B. By creating a hard link from the old to the new path of the data.
- C. By creating a symbolic link from the old to the new path of the data.
- D. By running the command touch on the old path.
- E. By mounting the new filesystem on the original path of the data.

**Answer:** CE

#### NEW QUESTION 129

What does the command mount -a do?

- A. It ensures that all file systems listed with the option noauto in /etc/fstab are mounted.
- B. It shows all mounted file systems that have been automatically mounted.
- C. It opens an editor with root privileges and loads /etc/fstab for editing.
- D. It ensures that all file systems listed with the option auto in /etc/fstab are mounted.
- E. It ensures that all file systems listed in /etc/fstab are mounted regardless of their options.

**Answer:** D

#### NEW QUESTION 134

Which command is used to set restrictions on the size of a core file that is created for a user when a program crashes?

- A. core
- B. edquota
- C. ulimit
- D. quota

**Answer:** C

#### NEW QUESTION 136

CORRECT TEXT

What word is missing from the following SQL statement?

insert into tablename \_\_\_\_\_ (909, 'text');

(Please specify the missing word using lower-case letters only.)

A.

**Answer:** VALUESvalues

#### NEW QUESTION 140

Which of the following fields are available in both the global /etc/crontab file as well as in user-specific crontab files? (Select TWO correct answers)

- A. Year
- B. Minute
- C. Username
- D. Command

**Answer:** BD

#### NEW QUESTION 142

Which of the following parameters are used for journalctl to limit the time frame of the output? (Choose TWO correct answers.)

- A. --from=
- B. --since=
- C. --until=
- D. --upto=
- E. --date=

**Answer:** BC

#### NEW QUESTION 145

Which file should be edited to select the network locations from which Debian installation package files are loaded?

- A. /etc/dpkg/dpkg.cfg
- B. /etc/apt/apt.conf
- C. /etc/apt/apt.conf.d
- D. /etc/apt/sources.list
- E. /etc/dpkg/dselect.cfg

**Answer:** D

#### NEW QUESTION 146

CORRECT TEXT

Please specify the top directory containing the configuration files for the CUPS printing system. (Specify the full path to the directory.)

A.

**Answer:** /etc/cups/etc/cups/

#### NEW QUESTION 151

CORRECT TEXT

What is the lowest numbered unprivileged TCP port? (Specify the number in digits only.)

A.

**Answer:** 1024

#### NEW QUESTION 154

What is the purpose of a screen reader?

- A. It reads text displayed on the screen to blind or visually impaired people.
- B. It reads the parameters of the attached monitors and creates an appropriate X11 configuration.
- C. It displays lines and markers to help people use speed reading techniques.
- D. It manages and displays files that contain e-books.

**Answer:** A

#### NEW QUESTION 155

CORRECT TEXT

After configuring printing on a Linux server, the administrator sends a test file to one of the printers and it fails to print. What command can be used to display the status of the printer's queue? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** lpq/usr/bin/lpq lpstat/usr/bin/lpstat

#### NEW QUESTION 157

Creating a hard link to an ordinary file returns an error. What could be the reason for this?

- A. The source file is hidden.
- B. The source file is read-only.
- C. The source file is a shell script.
- D. The source file is already a hard link.
- E. The source and the target are on different filesystems.

**Answer:** E

#### NEW QUESTION 158

Which of the following options is used in a GRUB Legacy configuration file to define the amount of time that the GRUB menu will be shown to the user?

- A. hidemenu
- B. splash
- C. timeout
- D. showmenu

**Answer:** C

#### NEW QUESTION 161

How is a display manager started?

- A. It is started by a user using the command startx.
- B. It is started like any other system service by the init system.
- C. It is started by inetd when a remote hosts connects to the X11 port.
- D. It is started automatically when a X11 user logs in to the system console.

**Answer:** B

#### NEW QUESTION 164

Which of the following fields can be found in the /etc/group file? (Choose THREE correct answers.)

- A. The list of users that belong to the group.
- B. The home directory of the group.
- C. The name of the group.
- D. The description of the group.
- E. The password of the group.

**Answer:** ACE

#### NEW QUESTION 169

CORRECT TEXT

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel? (Specify the file name only without any path.)

A.

**Answer:** cmdline/proc/cmdline

#### NEW QUESTION 174

Which of the following commands prints a list of usernames (first column) and their primary group (fourth column) from the /etc/passwd file?

- A. fmt -f 1,4 /etc/passwd
- B. split -c 1,4 /etc/passwd
- C. cut -d : -f 1,4 /etc/passwd
- D. paste -f 1,4 /etc/passwd

**Answer:** C

#### NEW QUESTION 178

CORRECT TEXT

Which file contains a set of services and hosts that will be allowed to connect to the server by going through a TCP Wrapper program such as tcpd? (Specify the full name of the file, including path.)<https://lh3.googleusercontent.com/-5cd-clmKnbk/AAAAAAAAAI/AAAAAAAAADM/-SXesH19Ido/s46-c-k-no/photo.jpg>

A.

**Answer:** /etc/hosts.allow

#### NEW QUESTION 179

Which of the following settings for umask ensures that new files have the default permissions -rw-r----- ?

- A. 0017
- B. 0640
- C. 0038
- D. 0027

**Answer:** D

#### NEW QUESTION 182

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.

**Answer:** A

#### NEW QUESTION 187

Which of the following commands will output all of the lines with the name Fred in upper or lower case but not the word red from the file data\_file? (Choose two)

- A. grep -v fred data\_file
- B. grep '[f]red' data\_file
- C. egrep fred data\_file
- D. grep '[Ff]red' data\_file
- E. grep -i fred data\_file

**Answer:** DE

#### NEW QUESTION 189

When trying to unmount a device it is reported as being busy. Which of the following commands could be used to determine which process is causing this?

- A. debug
- B. lsof
- C. nessus
- D. strace
- E. traceroute

**Answer:** B

#### NEW QUESTION 190

Which of the following crontab entries will execute myscript at 30 minutes past every hour on Sundays?

- A. 0 \* \* \* 30 myscript
- B. 30 \* \* \* 6 myscript
- C. 30 0 \* \* 0 myscript
- D. 30 0-23 \* \* 0 myscript
- E. 0 0-23 \* \* 30 myscript

**Answer:** D

#### NEW QUESTION 191

Which of the following are requirements in order to run a shell script like a regular command from anywhere in the filesystem? (Choose THREE correct answers.)

- A. The user issuing the command must be in the group script.
- B. The script file must be found in the \$PATH.
- C. The script file must have the executable permission bit set.
- D. The script must begin with a shebang-line (!) that points to the correct interpreter.
- E. The file system on which the script resides must be mounted with the option scripts.

**Answer:** BCD

#### NEW QUESTION 194

In case neither cron.allow nor cron.deny exist in /etc/, which of the following is true?

- A. Without additional configuration, no users may have user specific crontabs.
- B. Without additional configuration, all users may have user specific crontabs.
- C. The cron daemon will refuse to start and report missing files in the system's logfile.
- D. When a user creates a user specific crontab the system administrator must approve it explicitly.

**Answer:** A

#### NEW QUESTION 196

What is true regarding the file ~/.forward?

- A. As it is owned by the MTA and not writable by the user, it must be edited using the editaliases command.
- B. After editing ~/.forward the user must run newaliases to make the mail server aware of the changes.
- C. Using ~/.forward, root may configure any email address whereas all other users may configure only their own addresses.
- D. When configured correctly, ~/.forward can be used to forward each incoming mail to more than one other recipient.

**Answer:** D

#### NEW QUESTION 197

What is true about the ntpdate command?

- A. It is the primary management command for the NTP time server.
- B. It updates the local system's date (i.
- C. day, month and year) but not the time (i.
- D. hours, minutes, seconds).
- E. It queries one or more NTP time servers and adjusts the system time accordingly.
- F. It sends the local system time to one or many remote NTP time servers for redistribution.
- G. It can be used by any user to set the user clock independently of the system clock.

**Answer:** C

#### NEW QUESTION 198

CORRECT TEXT

Which command is used to add an empty group to the system? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** groupadd/usr/sbin/groupadd

#### NEW QUESTION 202

Immediately after deleting 3 lines of text in vi and moving the cursor to a different line, which single character command will insert the deleted content below the current line?

- A. i (lowercase)
- B. P (uppercase)
- C. p (lowercase)
- D. U (uppercase)
- E. u (lowercase)

**Answer:** C

#### NEW QUESTION 204

CORRECT TEXT

Which command is used to set the hostname of the local system? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** hostname

#### NEW QUESTION 207

When the command `echo $` outputs 1, which of the following statements is true?

- A. It is the process ID of the echo command.
- B. It is the process ID of the current shell.
- C. It is the exit value of the command executed immediately before echo.
- D. It is the exit value of the echo command.

**Answer:** C

#### NEW QUESTION 212

What can the Logical Volume Manager (LVM) be used for? (Choose THREE correct answers.)

- A. To create RAID 9 arrays.
- B. To dynamically change the size of logical volumes.
- C. To encrypt logical volumes.
- D. To create snapshots.
- E. To dynamically create or delete logical volumes.

**Answer:** BDE

#### NEW QUESTION 214

What is the purpose of the Filesystem Hierarchy Standard?

- A. It is a security model used to ensure files are organized according to their permissions and accessibility.
- B. It provides unified tools to create, maintain and manage multiple filesystems in a common way.
- C. It defines a common internal structure of inodes for all compliant filesystems.
- D. It is a distribution neutral description of locations of files and directories.

**Answer:** D

#### NEW QUESTION 218

After modifying GNU GRUB's configuration file, which command must be run for the changes to take effect?

- A. `kill -HUP $(pidof grub)`
- B. `grub-install`
- C. `grub`
- D. No action is required

**Answer:** D

#### NEW QUESTION 221

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

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

**Answer:** C

#### NEW QUESTION 223

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`

**Answer:** D

#### NEW QUESTION 224

CORRECT TEXT

Which command is used to create and initialize the files used to store quota information? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** quotacheck

#### NEW QUESTION 228

CORRECT TEXT

Which world-writable directory should be placed on a separate partition in order to prevent users from being able to fill up the / filesystem? (Specify the full path to the directory.)

A.

**Answer:** /tmp/tmp/var/tmp/tmp//var/tmp/

#### NEW QUESTION 230

When starting a program with the nice command without any additional parameters, which nice level is set for the resulting process?

- A. -10
- B. 10
- C. 20

**Answer:** C

#### NEW QUESTION 232

In a nested directory structure, which find command line option would be used to restrict the command to searching down a particular number of subdirectories?

- A. -dirmax
- B. -maxdepth
- C. -maxlevels
- D. -n
- E. -s

**Answer:** B

#### NEW QUESTION 233

What is the difference between the commands test -e path and test -f path?

- A. They are equivalent options with the same behaviour.
- B. The -f option tests for a regular file.
- C. The -e option tests for an empty file.
- D. Both options check the existence of the path.
- E. The -f option also confirms that it is a regular file.
- F. The -f option tests for a regular file.
- G. The -e option tests for an executable file.

**Answer:** C

#### NEW QUESTION 238

Which of the following programs uses the hosts.allow file to perform its main task of checking for access control restrictions to system services?

- A. tcpd
- B. inetd
- C. fingerd
- D. mountd
- E. xinetd

**Answer:** A

#### NEW QUESTION 242

CORRECT TEXT

On a Linux system with shadow passwords enabled, which file in the file system contains the password hashes of all local users? (Specify the full name of the file, including path.)

A.

**Answer:** /etc/shadow

#### NEW QUESTION 243

After running the command umount /mnt, the following error message is displayed: umount: /mnt: device is busy.  
What is a common reason for this message?

- A. The kernel has not finished flushing diskwrites to the mounted device.
- B. A user has a file open in the /mnt directory.
- C. Another file system still contains a symlink to a file inside /mnt.
- D. The files in /mnt have been scanned and added to the locate database.
- E. The kernel thinks that a process is about to open a file in /mnt for reading.

**Answer:** B

#### NEW QUESTION 244

CORRECT TEXT

The system's timezone may be set by linking /etc/localtime to an appropriate file in which directory? (Provide the full path to the directory, without any country information)

A.

**Answer:** /usr/share/zoneinfo/

#### NEW QUESTION 249

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

**Answer:** C

#### NEW QUESTION 251

Which of the following commands can remove a user from a group?

- A. grouprm
- B. groupmod
- C. passwd
- D. usergroups
- E. usermod

**Answer:** E

#### NEW QUESTION 253

Which variable defines the directories in which a Bash shell searches for executable commands?

- A. BASHEXEC
- B. BASHRC
- C. PATH
- D. EXECPATH
- E. PATHRC

**Answer:** C

#### NEW QUESTION 258

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

**Answer:** A

#### NEW QUESTION 260

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

**Answer:** E

#### NEW QUESTION 262

Which of the following commands can be used to download the RPM package kernel without installing it?

- A. yum download --no-install kernel
- B. yumdownloader kernel
- C. rpm --download --package kernel
- D. rpmdownload kernel

**Answer:** B

#### NEW QUESTION 267

For accessibility assistance, which of the following programs is an on-screen keyboard?



- A. xkb
- B. atkb
- C. GOK
- D. xOSK

**Answer:** C

#### NEW QUESTION 270

Which of the following are syslog facilities? (Choose TWO correct answers.)

- A. local7
- B. mail
- C. advanced
- D. postmaster
- E. remote

**Answer:** AB

#### NEW QUESTION 271

Which of the following commands prints all files and directories within the /tmp directory or its subdirectories which are also owned by the user root? (Choose TWO correct answers.)

- A. find /tmp -uid root -print
- B. find -path /tmp -uid root
- C. find /tmp -user root -print
- D. find/tmp -user root
- E. find -path /tmp -user root -print

**Answer:** CD

#### NEW QUESTION 274

Which of the following steps prevents a user from obtaining an interactive login session?

- A. Run the command chsh -s /bin/false with the user name.
- B. Set the UID for the user to 0.
- C. Remove the user from the group staff.
- D. Add the user to /etc/noaccess.
- E. Create a .nologin file in the user's home directory.

**Answer:** A

#### NEW QUESTION 277

Instead of supplying an explicit device in /etc/fstab for mounting, what other options may be used to identify the intended partition? (Choose TWO correct answers.)

- A. FIND
- B. ID
- C. LABEL
- D. NAME
- E. UUID

**Answer:** CE

#### NEW QUESTION 281

CORRECT TEXT

What argument to the -type option of find will match files that are symbolic links? (Specify only the argument and no other options or words.)

- A.

**Answer:** l

#### NEW QUESTION 282

Which RPM command will output the name of the package which supplied the file /etc/exports?

- A. rpm -F /etc/exports
- B. rpm -qf /etc/exports
- C. rpm -Kl /etc/exports
- D. rpm -qp /etc/exports
- E. rpm -qi /etc/exports

**Answer:** B

#### NEW QUESTION 283

CORRECT TEXT

With IPv6, how many bits have been used for the interface identifier of an unicast address? (Specify the number using digits only.)

A.

**Answer:** 64

#### NEW QUESTION 285

Which of the following commands overwrites the bootloader located on /dev/sda without overwriting the partition table or any data following it?

- A. dd if=/dev/zero of=/dev/sda bs=512
- B. dd if=/dev/zero of=/dev/sdabs=512 count=1
- C. dd if=/dev/zero of=/dev/sda bs=440 count=1
- D. dd if=/dev/zero of=/dev/sda bs=440

**Answer:** C

#### NEW QUESTION 287

CORRECT TEXT

Which port is the default server port for the HTTPS protocol? (Specify the port number using digits.)

A.

**Answer:** 443

#### NEW QUESTION 291

After successfully creating a hard link called bar to the ordinary file foo, foo is deleted from the filesystem. Which of the following describes the resulting situation?

- A. foo and bar would both be removed.
- B. foo would be removed while bar would remain accessible.
- C. foo would be remove
- D. bar would still exist but would be unusable.
- E. Both foo and bar would remain accessible.
- F. The user is prompted whether bar should be removed, too.

**Answer:** B

#### NEW QUESTION 296

When using rpm --verify to check files created during the installation of RPM packages, which of the following information is taken into consideration? (Choose THREE correct answers.)

- A. Timestamps
- B. MD5 checksums
- C. Inodes
- D. File sizes
- E. GnuPG signatures

**Answer:** ABD

#### NEW QUESTION 297

CORRECT TEXT

Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

A.

**Answer:** hwclock/sbin/hwclock/usr/sbin/hwclock

#### NEW QUESTION 298

Which of the following commands brings a system running SysV init into a state in which it is safe to perform maintenance tasks? (Choose TWO correct answers.)

- A. shutdown -R 1 now
- B. shutdown -single now
- C. init 1
- D. telinit 1
- E. runlevel 1

**Answer:** CD

#### NEW QUESTION 300

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

**Answer:** :C

#### NEW QUESTION 304

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

```
#!/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

**Answer:** B

#### NEW QUESTION 307

Which of the following commands updates the linker cache of shared libraries?

- A. mkcache
- B. soconfig
- C. mkldconfig
- D. lddconfig
- E. ldconfig

**Answer:** E

#### NEW QUESTION 308

What is the purpose of the nsswitch.conf file?

- A. It is used to configure where the C library looks for system information such as host names and user passwords.
- B. It is used to configure network protocol port numbers such as for HTTP or SMTP.
- C. It is used to configure LDAP authentication services for the local system.
- D. It is used to configure which network services will be turned on during the next system boot.

**Answer:** A

#### NEW QUESTION 309

CORRECT TEXT

Which signal is missing from the following command that is commonly used to instruct daemond to reinitialize itself, including reading configuration files?

```
killall -s daemond
```

A.

**Answer:** HUP/SIGHUP/1

#### NEW QUESTION 313

How many fields are in a syntactically correct line of /etc/fstab?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

**Answer:** D

#### NEW QUESTION 315

What of the following can be done by the command ifconfig? (Choose TWO correct answers.)

- A. Set a network interface active or inactive.
- B. Specify the kernel module to be used with a network interface.
- C. Allow regular users to change the network configuration of a network interface.
- D. Change the netmask used on a network interface.
- E. Specify which network services are available on a network interface.

**Answer:** AD

#### NEW QUESTION 320

Which of the following commands will send output from the program myapp to both standard output (stdout) and the file file1.log?

- A. cat < myapp | cat > file1.log
- B. myapp 0>&1 | cat > file1.log
- C. myapp | cat > file1.log
- D. myapp | tee file1.log
- E. tee myapp file1.log

**Answer:** D

**NEW QUESTION 323**

Which of the following commands can be used to limit the amount of memory a user may use?

- A. umask
- B. usermod
- C. ulimit
- D. passwd
- E. chage

**Answer:** C

**NEW QUESTION 324**

What is the purpose of the Bash built-in export command?

- A. It allows disks to be mounted remotely.
- B. It runs a command as a process in a subshell.
- C. It makes the command history available to subshells.
- D. It sets up environment variables for applications.
- E. It shares NFS partitions for use by other systems on the network.

**Answer:** D

**NEW QUESTION 327**

Which command makes the shell variable named VARIABLE visible to subshells?

- A. export \$VARIABLE
- B. export VARIABLE
- C. set \$VARIABLE
- D. set VARIABLE
- E. env VARIABLE

**Answer:** B

**NEW QUESTION 329**

Which of the following are init systems used within Linux systems? (Choose THREE correct answers.)

- A. startd
- B. systemd
- C. Upstart
- D. SysInit
- E. SysV init

**Answer:** BCE

**NEW QUESTION 333**

What output will the command seq 10 produce?

- A. A continuous stream of numbers increasing in increments of 10 until stopped.
- B. The numbers 1 through 10 with one number per line.
- C. The numbers 0 through 9 with one number per line.
- D. The number 10 to standard output.

**Answer:** :B

**NEW QUESTION 338**

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