

Exam Questions LFCS

Linux Foundation Certified System Administrator

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NEW QUESTION 1

From a Bash shell, which of the following commands directly executes the instruction from the file /usr/local/bin/runme.sh without starting a subshell? (Please select TWO answers.)

- A. source /usr/local/bin/runme.sh
- B. /usr/local/bin/runme.sh
- C. /bin/bash /usr/local/bin/runme.sh
- D. /usr/local/bin/runme.sh
- E. run /usr/local/bin/runme.sh

Answer: AB

NEW QUESTION 2

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 3

Which of the following tasks can be accomplished using the command date? (Choose TWO correct answers.)

- A. Synchronize the hardware and system clocks.
- B. Output date and time in different formats.
- C. Set the system clock.
- D. Set the hardware clock.
- E. Update the time via NTP.

Answer: BC

NEW QUESTION 4

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 5

Which of the following files, located in the user home directory, is used to store the Bash history?

- A. bash_history
- B. bash_histfile
- C. history
- D. bashrc_history
- E. history_bash

Answer: A

NEW QUESTION 6

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 7

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 8

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 9

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 10

Which of the following commands can be used to locate programs and their corresponding man pages and configuration files?

- A. dirname
- B. which
- C. basename
- D. query
- E. whereis

Answer: E

NEW QUESTION 10

Which of the following is observed and corrected by a NTP client?

- A. The skew in time between the system clock and the hardware clock.
- B. The skew in time between the system clock and the reference clock.
- C. Changes in the time zone of the current computer's location.
- D. Adjustments needed to support Daylight Saving Time.

Answer: B

NEW QUESTION 11

Which configuration file would be edited to change the default options for outbound SSH sessions?

- A. /etc/ssh/sshd_config
- B. /etc/ssh/ssh
- C. /etc/ssh/client
- D. /etc/ssh/ssh_config
- E. /etc/ssh/ssh_client

Answer: D

NEW QUESTION 14

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 15

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 18

What is true about the file /etc/localtime?

- A. It is a plain text file containing a string such as Europe/Berlin.
- B. It is created and maintained by the NTP service based on the geolocation of the system's IP address.
- C. It is a symlink to /sys/device/clock/ltime and always contains the current local time.
- D. It is either a symlink to or a copy of a timezone information file such as /usr/share/zoneinfo/Europe/Berlin.

Answer: D

NEW QUESTION 23

Which of the following commands puts the output of the command date into the shell variable mydate?

- A. mydate="\$(date)"
- B. mydate="exec date"
- C. mydate="\$((date))"
- D. mydate="date"
- E. mydate="{date}"

Answer: A

NEW QUESTION 24

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 26

Which of the following commands connects to the remote host example.com which has OpenSSH listening on TCP port 2222? (Choose TWO correct answers.)

- A. ssh --port 2222 example.com
- B. ssh -p 2222 example.com
- C. ssh -o Port=2222 example.com
- D. ssh -o GatewayPort=2222 example.com
- E. ssh example.com:2222

Answer: BC

NEW QUESTION 30

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 34

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 36

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 41

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 46

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

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

Answer: D

NEW QUESTION 50

Which grep command will print only the lines that do not end with a / in the file foo?

- A. grep '\$' foo
- B. grep '#' foo
- C. grep -v '\$' foo
- D. grep -v '#' foo

Answer: C

NEW QUESTION 55

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 60

Which utility would be used to change how often a filesystem check is performed on an ext2 filesystem without losing any data stored on that filesystem?

- A. mod2fs
- B. fsck
- C. tune2fs
- D. mke2fs
- E. fixe2fs

Answer: C

NEW QUESTION 65

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 69

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 71

CORRECT TEXT

Which parameter must be passed to ifconfig to activate a previously inactive network interface? (Specify the parameter only without any command, path or additional options)

A.

Answer: up

NEW QUESTION 75

Which of the following files, when existing, affect the behavior of the Bash shell? (Choose TWO correct answers.)

- A. ~/.bashconf
- B. ~/.bashrc
- C. ~/.bashdefaults
- D. ~/.bash_etc
- E. ~/.bash_profile

Answer: BE

NEW QUESTION 79

Which of the following commands can be used to determine how long the system has been running? (Choose TWO correct answers.)

- A. uptime
- B. up
- C. top
- D. uname -u
- E. time -up

Answer: AC

NEW QUESTION 84

In order to display all currently mounted filesystems, which of the following commands could be used? (Choose TWO correct answers.)

- A. cat /proc/self/mounts
- B. free
- C. mount
- D. lsmounts
- E. cat /proc/filesystems

Answer: AC

NEW QUESTION 86

Which of the following commands will NOT update the modify timestamp on the file /tmp/myfile.txt?

- A. file /tmp/myfile.txt
- B. echo "Hello" >/tmp/myfile.txt
- C. sed -ie "s/1/2/" /tmp/myfile.txt
- D. echo -n "Hello" >>/tmp/myfile.txt
- E. touch /tmp/myfile.txt

Answer: A

NEW QUESTION 87

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 90

CORRECT TEXT

What is the name of the main configuration file for GNU GRUB? (Specify the file name only without any path.)

A.

Answer: menu.lstgrub.confgrub.cfg

NEW QUESTION 91

What is the difference between the i and a commands of the vi editor?

- A. i (interactive) requires the user to explicitly switch between vi modes whereas a (automatic) switches modes automatically.
- B. i (insert) inserts text before the current cursor position whereas a (append) inserts text after the cursor.
- C. i (independent rows) starts every new line at the first character whereas a (aligned rows) keeps the indentation of the previous line.
- D. i (interrupt) temporarily suspends editing of a file to the background whereas a (abort) terminates editing.

Answer: B

NEW QUESTION 96

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 98

Which of the following commands reboots the system when using SysV init? (Choose TWO correct answers.)

- A. shutdown -r now
- B. shutdown -r "rebooting"
- C. telinit 6
- D. telinit 0
- E. shutdown -k now "rebooting"

Answer: AC

NEW QUESTION 99

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 101

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 105

CORRECT TEXT

Which Debian package management tool asks the configuration questions for a specific already installed package just as if the package were being installed for the first time? (Specify ONLY the command without any path or parameters.)

- A.

Answer: dpkg-reconfigure

NEW QUESTION 110

CORRECT TEXT

Which file specifies the user accounts that can NOT submit jobs via at or batch? (Provide the full path and filename)

- A.

Answer: /etc/at.deny

NEW QUESTION 111

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 115

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 120

Which of the following commands can be used to display the local routing table? (Choose TWO correct answers.)

- A. ifconfig
- B. dig
- C. netstat
- D. route
- E. trackroute

Answer: CD

NEW QUESTION 123

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 124

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 129

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 131

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 132

Which of the following signals is sent to a process when the key combination CTRL+C is pressed on the keyboard?

- A. SIGTERM
- B. SIGINT
- C. SIGSTOP
- D. SIGKILL

Answer: B

NEW QUESTION 135

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 140

Which of the following commands shows the definition of a given shell command?

- A. where
- B. stat
- C. type
- D. case

Answer: C

NEW QUESTION 142

CORRECT TEXT

Which environment variable should be set in order to change the time zone for the commands run from within the environment variable's scope? (Specify the variable name only.)

- A.

Answer: TZ

NEW QUESTION 143

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 147

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

Answer: E

NEW QUESTION 149

What is the purpose of the iconv command?

- A. It converts bitmap images from one format to another such as PNG to JPEG.
- B. It verifies that the root directory tree complies to all conventions from the Filesystem Hierarchy Standard (FHS).
- C. It displays additional meta information from icon files ending in .ico.
- D. It changes the mode of an inode in the ext4 file system.
- E. It converts files from one character encoding to another.

Answer: E

NEW QUESTION 151

What is true regarding TCP port 23?

- A. Port 23 is the well known port for the telnet service which is a plain text protocol that should no longer be used.
- B. Port 23 is the well known port for the SSH service which provides secure logins.
- C. Port 23 is the well known port for the rlogin service which is SSL secured by default.
- D. Port 23 is the well known port for the system login services which are encrypted when the user runs the starttls command in his login shell.

Answer: A

NEW QUESTION 152

What command will generate a list of user names from /etc/passwd along with their login shell?

- A. column -s : 1,7 /etc/passwd
- B. chop -c 1,7 /etc/passwd
- C. colrm 1,7 /etc/passwd
- D. cut -d: -f1,7 /etc/passwd

Answer: D

NEW QUESTION 154

What is the purpose of the file /etc/profile?

- A. It contains the welcome message that is displayed after login.
- B. It contains security profiles defining which users are allowed to log in.
- C. It contains environment variables that are set when a user logs in.
- D. It contains default application profiles for users that run an application for the first time.

Answer: C

NEW QUESTION 159

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 160

Which of the following information is stored within the BIOS? (Choose TWO correct answers.)

- A. Boot device order
- B. Linux kernel version
- C. Timezone
- D. Hardware configuration
- E. The system's hostname

Answer: AD

NEW QUESTION 162

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

Answer: E

NEW QUESTION 164

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 167

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 168

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 169

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 172

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 177

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 181

Which of the following is correct when talking about mountpoints?

- A. Every existing directory can be used as a mount point.
- B. Only empty directories can be used as a mount point.
- C. Directories need to have the SetUID flag set to be used as a mount point.
- D. Files within a directory are deleted when the directory is used as a mount point.

Answer: A

NEW QUESTION 186

What output will the following command produce? seq 1 5 20

- A. 161116
- B. 151015
- C. 1234
- D. 2345
- E. 5101520

Answer: A

NEW QUESTION 189

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 194

Which of the following commands moves and resumes in the background the last stopped shell job?

- A. run
- B. bg
- C. fg
- D. back

Answer: B

NEW QUESTION 198

What is true regarding a default route?

- A. The default route is always used first
- B. When the default route is not available more specific routes are tried.
- C. When a default route is set, all other routes are disabled until the default route is deleted.
- D. The default route is only used if there is not a more specific route to a destination host or network.
- E. Without a default route, no network communication even in directly attached networks is possible.

Answer: C

NEW QUESTION 200

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