

➤ **Vendor: LPI**

➤ **Exam Code: 102-400**

➤ **Exam Name: LPIC-1 Exam 102**

➤ **Question 1 -- Question 40**

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QUESTION 1

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

QUESTION 2

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

QUESTION 3

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

QUESTION 4

What is the default name of the configuration file for the Xorg X11 server? (Specify the file name only without any path.)

Answer:

xorg.conf

QUESTION 5

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

QUESTION 6

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

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

Answer: C

QUESTION 7

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.)

Answer:

xdm

QUESTION 8

Which of the following are tasks handled by a display manager like XDM or KDM? (Choose TWO correct answers.)

- A. Start and prepare the desktop environment for the user.
- B. Configure additional devices like new monitors or projectors when they are attached.
- C. Handle the login of a user.
- D. Lock the screen when the user was inactive for a configurable amount of time.
- E. Create an X11 configuration file for the current graphic devices and monitors.

Answer: AC

QUESTION 9

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

QUESTION 10

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

Answer:

`/etc/at.deny`

QUESTION 11

Which character in the password field of `/etc/passwd` is used to indicate that the encrypted password is stored in `/etc/shadow`?

- A. *
- B. -
- C. s
- D. x

Answer: D

QUESTION 12

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.)

Answer:

`/usr/share/zoneinfo/`

QUESTION 13

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

QUESTION 14

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

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

Answer: A

QUESTION 15

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

QUESTION 16

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

QUESTION 17

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

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

Answer: E

QUESTION 18

Where are user specific crontabs stored?

- A. In the database file /etc/crontab.db which is shared by all users.
- B. As individual per-user files within /var/spool/cron.
- C. As individual per-user files in /etc/cron.user.d.
- D. In the .crontab file in the user's home directory.
- E. In the file /var/cron/user-crontab which is shared by all users.

Answer: B

QUESTION 19

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

QUESTION 20

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.)

Answer:

TZ

QUESTION 21

Each entry in a crontab must end with what character?

- A. Tab
- B. Space
- C. Backslash
- D. Newline

Answer: D

QUESTION 22

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 removed from all mounted filesystems.
- E. In case bob was the last member of a group, that group is deleted.

Answer: AB

QUESTION 23

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

QUESTION 24

After adding a new email alias to the configuration, which command must be run in order to ensure the MTA knows about it? (Specify the command without any path but including all required parameters.)

Answer:

`newaliases, sendmail -bi`

QUESTION 25

Why is the correct configuration of a system's time zone important?

- A. Because the conversion of Unix timestamps to local time relies on the time zone configuration.
- B. Because the time zone is saved as part of the modification times of files and cannot be changed after a file is created.
- C. Because the environment variables LANG and LC_MESSAGES are, by default, set according to the time zone.
- D. Because NTP chooses servers nearby based on the configured time zone.

Answer: A

QUESTION 26

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

QUESTION 27

Which of the following are commonly used Mail Transfer Agent (MTA) applications? (Choose THREE correct answers.)

- A. Postfix
- B. Procmail
- C. Sendmail
- D. Exim
- E. SMTPd

Answer: ACD

QUESTION 28

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

QUESTION 29

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

Answer:

hwclock, /sbin/hwclock, /usr/sbin/hwclock

QUESTION 30

Which command, available with all MTAs, is used to list the contents of the MTA's mail queue? (Specify ONLY the command without any path or parameters.)

Answer:

mailq, /usr/bin/mailq, sendmail -bp, /usr/sbin/sendmail -bp, /usr/lib/sendmail -bp, sendmail, /usr/sbin/sendmail, /usr/lib/sendmail

QUESTION 31

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

Answer:

/etc/cups, /etc/cups/

QUESTION 32

Which of the following is a legacy program provided by CUPS for sending files to the printer queues on the command line?

- A. lpd
- B. lpp
- C. lpq
- D. lpr

Answer: D

QUESTION 33

What entry can be added to the syslog.conf file to have all syslog messages generated by a system displayed on console 12?

- A. *.* /dev/tty12
- B. /var/log/messages | /dev/tty12
- C. | /dev/tty12
- D. syslog tty12
- E. mail.* /dev/tty12

Answer: A

QUESTION 34

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.e. day, month and year) but not the time (i.e. hours, minutes, seconds).
- C. It queries one or more NTP time servers and adjusts the system time accordingly.
- D. It sends the local system time to one or many remote NTP time servers for redistribution.
- E. It can be used by any user to set the user clock independently of the system clock.

Answer: C

QUESTION 35

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

QUESTION 36

Which of the following commands is used to rotate, compress, and mail system logs?

- A. rotatelog
- B. striplog
- C. syslogd --rotate
- D. logrotate
- E. logger

Answer: D

QUESTION 37

What is the command to delete the default gateway from the system IP routing table? (Choose TWO correct answers.)

- A. route del default
- B. ifconfig unset default
- C. netstat -r default
- D. ip route del default
- E. sysctl ipv4.default_gw=0

Answer: AD

QUESTION 38

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

QUESTION 39

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

Answer:

64

QUESTION 40

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

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