



**LPI**

## **Exam Questions 102-500**

LPIC-1 Exam 102 - Part 2 of 2 - version 5.0

### NEW QUESTION 1

- (Exam Topic 1)

What command displays all aliases defined in the current shell? (Specify the command without any path information)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

alias, alias -p

### NEW QUESTION 2

- (Exam Topic 1)

Which of the following words is used to restrict the records that are returned from a SELECT query based on a supplied criteria for the values in the records?

- A. LIMIT
- B. FROM
- C. WHERE
- D. IF

**Answer:** C

### NEW QUESTION 3

- (Exam Topic 1)

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 4

- (Exam Topic 1)

Which of the following is the best way to list all defined shell variables?

- A. env
- B. set
- C. env -a
- D. echo \$ENV

**Answer:** B

### NEW QUESTION 5

- (Exam Topic 1)

What keyword is missing from this code sample of a shell script?

```
_____ i in *.txt; do  
echo $i  
done
```

- A. for
- B. loop
- C. until
- D. while

**Answer:** A

### NEW QUESTION 6

- (Exam Topic 1)

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 7

- (Exam Topic 1)

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 8

- (Exam Topic 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

#### NEW QUESTION 9

- (Exam Topic 1)

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 10

- (Exam Topic 1)

Which of the following configuration files should be modified to set default shell variables for all users?

- A. /etc/bashrc
- B. /etc/profile
- C. ~/.bash\_profile
- D. /etc/.bashrc

**Answer:** B

#### NEW QUESTION 10

- (Exam Topic 2)

Your senior administrator asked you to change the default background of his machine, which uses XDM. Which file would you edit to achieve this?

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

**Answer:** A

#### NEW QUESTION 13

- (Exam Topic 2)

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

xorg.conf

#### NEW QUESTION 18

- (Exam Topic 2)

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. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

xdm

**NEW QUESTION 23**

- (Exam Topic 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 24**

- (Exam Topic 3)

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

**NEW QUESTION 28**

- (Exam Topic 3)

What is the conventional purpose of Linux UIDs that are lower than 100?

- A. They are reserved for super user accounts.
- B. They are reserved for the system admin accounts.
- C. They are reserved for system accounts.
- D. They are unused, aside from 0, because they are targets of exploits.
- E. They are used to match with GIDs in grouping users.

**Answer:** C

**NEW QUESTION 33**

- (Exam Topic 3)

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 37**

- (Exam Topic 3)

Why is /etc/shadow not world readable if the passwords are stored in an encrypted fashion?

- A. The encrypted passwords are still subject to brute force attacks.
- B. This is just for historical reasons.
- C. There is other information in the file that needs to be kept secret.
- D. The passwords can be decrypted by anyone with root access.

**Answer:** A

**NEW QUESTION 41**

- (Exam Topic 3)

A French user has installed the French language pack, but currencies are still being displayed with a leading '\$' sign in his spreadsheets. What must be done to fix this?

- A. Alter the locale.
- B. Set the timezone correctly.
- C. Edit /etc/currency.
- D. Reinstall the French language pack.

**Answer:** A

**NEW QUESTION 43**

- (Exam Topic 3)

Which commands can you use to change a user's account aging information? (Choose THREE correct answers.)

- A. usermod
- B. passwd
- C. chattr
- D. chage
- E. chsh

**Answer:** ABD

#### NEW QUESTION 46

- (Exam Topic 3)

What is the main difference between the batch and at commands?

- A. The batch command will run multiple times. The at command will only run once.
- B. The batch command will run when system load is low.
- C. The at command runs at a specific time.
- D. The at command reads commands from standard input.
- E. The batch command requires a command line argument.
- F. The at command e-mails results to the user.
- G. The batch command logs results to syslog.

**Answer:** B

#### NEW QUESTION 50

- (Exam Topic 3)

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 55

- (Exam Topic 4)

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. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

`lpq, /usr/bin/lpq, lpstat, /usr/bin/lpstat`

#### NEW QUESTION 60

- (Exam Topic 4)

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

#### NEW QUESTION 61

- (Exam Topic 4)

What command should be used to print a listing of email in the system's mail queue?

- A. `lpq`
- B. `mailq`
- C. `mlq`
- D. `sendmail -l`

**Answer:** B

#### NEW QUESTION 66

- (Exam Topic 4)

Which file inside the CUPS configuration directory contains the definition of the printers?

- A. `cups-devices.conf`
- B. `snmp.conf`
- C. `printcap.conf`

- D. printers.conf
- E. cupsd.conf

**Answer:** D

#### NEW QUESTION 70

- (Exam Topic 4)

On a dual boot system, every time the system is booted back into Linux the time has been set backward by one day. Which of the following commands will correct the problem?

- A. `date -d '+ 1 day'`
- B. `hwclock --systohc --localtime`
- C. `ntpdate pool.ntp.org`
- D. `time hwclock`

**Answer:** B

#### NEW QUESTION 75

- (Exam Topic 5)

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 76

- (Exam Topic 5)

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. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

14

#### NEW QUESTION 78

- (Exam Topic 5)

Which of the following is a valid IPv6 address?

- A. 2001:db8:3241::1
- B. 2001::db8:4581::1
- C. 2001:db8:0g41::1
- D. 2001%db8%9990%%1
- E. 2001.db8.819f..1

**Answer:** A

#### NEW QUESTION 83

- (Exam Topic 5)

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. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

up

#### NEW QUESTION 86

- (Exam Topic 5)

On a regular users workstation the `route` command takes a long time before printing out the routing table. Which of the following errors does that indicate?

- A. The local routing information may be corrupted and must be re-validated using a routing protocol.
- B. One of the routers in the routing table is not available which causes the automatic router failure detection mechanism (ARF-D) to wait for a timeout.
- C. There may accidentally be more than one default router in which case a default router election has to be done on the network in order to choose one router as the default.
- D. DNS resolution may not be working as `route` by default tries to resolve names of routers and destinations and may run into a timeout.

**Answer:** D

**NEW QUESTION 89**

- (Exam Topic 5)

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 90**

- (Exam Topic 5)

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 91**

- (Exam Topic 5)

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 94**

- (Exam Topic 6)

Which file lists which users can execute commands using `sudo`? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

`/etc/sudoers`

**NEW QUESTION 98**

- (Exam Topic 6)

Which directory holds the files that configure the `xinetd` service when using several configuration files instead of an integrated configuration file? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

`/etc/xinetd.d/`, `/etc/xinetd.d`

**NEW QUESTION 102**

- (Exam Topic 6)

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 105**

- (Exam Topic 6)

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 107**

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