



**LPI**

## **Exam Questions 102-500**

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

#### NEW QUESTION 1

- (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 2

- (Exam Topic 1)

Which of the following commands lists all defined variables and functions within Bash?

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

**Answer:** B

#### NEW QUESTION 3

- (Exam Topic 1)

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 4

- (Exam Topic 1)

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 5

- (Exam Topic 1)

How can the existing environment variable `FOOBAR` be suppressed for the execution of the script `./myscript` only?

- A. `unset -v FOOBAR;./myscript`
- B. `set -a FOOBAR="";./myscript`
- C. `env -u FOOBAR./myscript`
- D. `env -i FOOBAR./myscript`

**Answer:** C

#### NEW QUESTION 6

- (Exam Topic 1)

Which directory in `/etc` is used to keep a sample copy of files and directories for when a new user has a home directory created? (Please provide the full path)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

`/etc/skel`, `/etc/skel/`

#### NEW QUESTION 7

- (Exam Topic 1)

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 8

- (Exam Topic 1)

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 9

- (Exam Topic 1)

What benefit does an alias in bash provide?

- A. It provides faster lookups for commands in the system directory.
- B. It creates a local copy of a file from another directory.
- C. It hides what command you are running from others.
- D. It allows a string to be substituted for the first word of a simple command.

**Answer:** D

#### NEW QUESTION 10

- (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 10

- (Exam Topic 1)

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 14

- (Exam Topic 2)

An administrator wants to determine the geometry of a particular window in X, so she issues the \_\_\_\_\_ -metric command and then clicks on the window.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

`/usr/bin/xwininfo`, `xwininfo`

#### NEW QUESTION 17

- (Exam Topic 2)

On a system running the KDE Display Manager, when is the `/etc/kde4/kdm/Xreset` script automatically executed?

- A. When KDM starts
- B. When a user's X session exits
- C. When KDM crashes
- D. When X is restarted
- E. When X crashes

**Answer:**

B

#### NEW QUESTION 21

- (Exam Topic 3)

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 26

- (Exam Topic 3)

On a system using shadowed passwords, the most correct permissions for /etc/passwd are \_\_\_\_\_ and the most correct permissions for /etc/shadow are \_\_\_\_\_.

- A. -rw-r-----, -r-----
- B. -rw-r--r--, -r--r--r--
- C. -rw-r--r--, -r-----
- D. -rw-r--rw-, -r-----r--
- E. -rw-----, -r-----

**Answer:** C

#### NEW QUESTION 29

- (Exam Topic 3)

Of the ways listed, which is the best method to temporarily suspend a user's ability to interactively login?

- A. Use passwd -d username to give the user an empty password.
- B. Use chage to expire the user account.
- C. Change the user's password.
- D. Add the command exit to the user's .login file.

**Answer:** B

#### NEW QUESTION 30

- (Exam Topic 3)

In which file, if present, must all users be listed that are allowed to use the cron scheduling system? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/etc/cron.allow

#### NEW QUESTION 32

- (Exam Topic 3)

Which command should be added to /etc/bash\_profile to change the language of messages from an internationalised program to Portuguese (pt)? (Select TWO correct answers)

- A. export LANGUAGE="pt"
- B. export MESSAGE="pt"
- C. export LANG="pt"
- D. export LC\_MESSAGES="pt"
- E. export ALL\_MESSAGES="pt"

**Answer:** CD

#### NEW QUESTION 34

- (Exam Topic 3)

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

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

groupadd, /usr/sbin/groupadd

#### NEW QUESTION 37

- (Exam Topic 3)

What command will display the group names and GIDs to which a user belongs? (Provide only the command name with or without path information)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

id, /usr/bin/id

#### NEW QUESTION 38

- (Exam Topic 3)

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

#### NEW QUESTION 40

- (Exam Topic 3)

The \_\_\_\_\_ command is used to add a group to the system.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

groupadd, /usr/sbin/groupadd

#### NEW QUESTION 41

- (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 43

- (Exam Topic 3)

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 47

- (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 48

- (Exam Topic 4)

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

#### NEW QUESTION 51

- (Exam Topic 4)

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

#### 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 59

- (Exam Topic 4)

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 63

- (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 67

- (Exam Topic 4)

What command can be used to generate syslog entries of any facility and priority? (supply just the command name without a path)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

logger

#### NEW QUESTION 71

- (Exam Topic 4)

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 73**

- (Exam Topic 5)

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

**NEW QUESTION 75**

- (Exam Topic 5)

Which of the following keywords can be used in the file /etc/resolv.conf? (Choose TWO correct answers.)

- A. substitute
- B. nameserver
- C. search
- D. lookup
- E. method

**Answer:** BC

**NEW QUESTION 80**

- (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 82**

- (Exam Topic 5)

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 86**

- (Exam Topic 5)

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 90**

- (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 91**

- (Exam Topic 5)



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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
443

#### NEW QUESTION 96

- (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 100

- (Exam Topic 6)

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 101

- (Exam Topic 6)

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/AAAAAAAAAAI/AAAAAAAAADM/-SXesH19Ido/s4>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
/etc/hosts.allow

#### NEW QUESTION 105

- (Exam Topic 6)

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 108

- (Exam Topic 6)

Which of the following find commands will print out a list of files owned by root and with the SUID bit set in /usr?

- A. find /usr -uid 0 -perm +4000
- B. find -user root +mode +s /usr
- C. find -type suid -username root -d /usr
- D. find /usr -ls \\*s\\* -u root
- E. find /usr -suid -perm +4000

**Answer:** A

#### NEW QUESTION 112

- (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 113

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