

## Exam Questions 102-500

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

<https://www.2passeasy.com/dumps/102-500/>



#### 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)

After issuing:

```
function myfunction { echo $1 $2 ; }
```

in Bash, which output does:

```
myfunction A B C
```

Produce?

- A. A B
- B. A B C
- C. A C
- D. B C
- E. C B A

**Answer:** A

#### NEW QUESTION 3

- (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 4

- (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 5

- (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 6

- (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 fil
- C. The -e option tests for an empty file.
- D. Both options check the existence of the pat
- E. The -f option also confirms that it is a regular file.
- F. The -f option tests for a regular fil
- G. The -e option tests for an executable file.

**Answer:** C

#### NEW QUESTION 7

- (Exam Topic 1)

Which command allows you to make a shell variable visible to subshells?

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

**Answer:** B

#### NEW QUESTION 8

- (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 9

- (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 10

- (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 10

- (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 12

- (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 16

- (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 19

- (Exam Topic 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

#### NEW QUESTION 22

- (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 23

- (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 24

- (Exam Topic 2)

Why is the xhost program considered dangerous to use?

- A. It makes it difficult to uniquely identify a computer on the network.
- B. It allows easy access to your X server by other users.
- C. It logs sensitive information to syslog.
- D. It makes your computer share network resources without any authentication.
- E. It is a graphical DNS tool with known exploits.

**Answer:** B

#### NEW QUESTION 28

- (Exam Topic 2)

Which of the following lines is an example of a correct setting for the DISPLAY environment variable?

- A. hostname:displayname
- B. hostname:displaynumber
- C. hostname/displayname
- D. hostname/displaynumber
- E. hostname

**Answer:** B

#### NEW QUESTION 33

- (Exam Topic 2)

Which command can be used to investigate the properties for a particular window in X by clicking that window? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/usr/bin/xwininfo, xwininfo

**NEW QUESTION 34**

- (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 37**

- (Exam Topic 2)

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 38**

- (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 40**

- (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 45**

- (Exam Topic 3)

The correct crontab entry to execute the script chklog three times per month between 3 p.m. and 5 p.m.:

- A. \* 3,4,5 1 \* \* chklog
- B. 3 3,4,5 1 \* \* chklog
- C. 3 15,16,17 \* \* \* chklog
- D. 0 15,16,17 1 \* \* chklog
- E. \* 15,16,17 1 \* \* chklog

**Answer:** D

**NEW QUESTION 50**

- (Exam Topic 3)

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/at.deny

**NEW QUESTION 55**

- (Exam Topic 3)

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 56

- (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 59

- (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 64

- (Exam Topic 3)

Which of the following can the chage command NOT change?

- A. The number of days since January 1, 1970 after which the user's account will no longer be accessible.
- B. The number of days since January 1, 1970 after which the password can change.
- C. The number of days since January 1, 1970 since the password was last changed.
- D. The maximum number of days during which a password is valid.
- E. The number of days of inactivity after a password has expired before the account is locked.

**Answer:** B

#### NEW QUESTION 69

- (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 70

- (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 73

- (Exam Topic 3)

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 76

- (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 80

- (Exam Topic 3)

Which commands can be used 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 82

- (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 87

- (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 89

- (Exam Topic 3)

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 92

- (Exam Topic 3)

How is the file format of /etc/crontab different from a normal crontab file? (Select TWO correct answers)

- A. The /etc/crontab file can specify a year field.
- B. A normal crontab file must be installed with the crontab command.
- C. A normal crontab file allows for environment variable substitution.
- D. The /etc/crontab file has a user field for commands.

**Answer:** BD

#### NEW QUESTION 97

- (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 100

- (Exam Topic 3)

What is NOT contained in the locale setting of the operating system?

- A. currency symbol
- B. language
- C. timezone
- D. thousands separator

**Answer:** C

#### NEW QUESTION 105

- (Exam Topic 3)

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 107

- (Exam Topic 4)

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

#### NEW QUESTION 110

- (Exam Topic 4)

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 111

- (Exam Topic 4)

To exclude all log messages of a given logging facility, you should use a logging priority of \_\_\_\_\_.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

none

#### NEW QUESTION 115

- (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 118

- (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 119

- (Exam Topic 4)

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.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

newaliases, sendmail -bi

#### NEW QUESTION 123

- (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 127

- (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 132

- (Exam Topic 4)

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 133

- (Exam Topic 4)

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 137**

- (Exam Topic 5)

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 138**

- (Exam Topic 5)

Which command, depending on its options, can display the open network connections, the routing tables, as well as network interface statistics. (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A**Explanation:**

netstat, /bin/netstat, ss, /usr/bin/ss

**NEW QUESTION 143**

- (Exam Topic 5) 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 147**

- (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 151**

- (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 155**

- (Exam Topic 5)

Which of the following is true about IPv6?

- A. With IPv6, the TCP port numbers of most services have changed.
- B. IPv6 no longer supports broadcast addresses.
- C. IPv4 addresses can be used without any change with IPv6.
- D. IPv6 no longer supports multicast addresses.
- E. For IPv6, UDP and TCP have been replaced by the Rapid Transmission Protocol RTP.

**Answer:** B

#### NEW QUESTION 160

- (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 165

- (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 167

- (Exam Topic 5)

Which keyword must be listed in the hosts option of the Name Service Switch configuration file in order to make host lookups consult the /etc/hosts file?

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

files

#### NEW QUESTION 169

- (Exam Topic 5)

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 172

- (Exam Topic 5)

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 177

- (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 182

- (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 186

- (Exam Topic 6)

Which configuration file would be edited to change default options for the OpenSSH server?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/server
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_server

**Answer:** A

#### NEW QUESTION 187

- (Exam Topic 6)

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 191

- (Exam Topic 6)

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. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

DISPLAY, \$DISPLAY

#### NEW QUESTION 196

- (Exam Topic 6)

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. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/shadow

#### NEW QUESTION 197

- (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 200

- (Exam Topic 6)

The presence of what file will temporarily prevent all users except root from logging into the system? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/nologin

#### NEW QUESTION 201

- (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 206

- (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 209

.....

## THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual 102-500 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the 102-500 Product From:

<https://www.2passeasy.com/dumps/102-500/>

## Money Back Guarantee

### 102-500 Practice Exam Features:

- \* 102-500 Questions and Answers Updated Frequently
- \* 102-500 Practice Questions Verified by Expert Senior Certified Staff
- \* 102-500 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- \* 102-500 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year