

Exam Questions 102-500

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

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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)

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)

You are looking into a new script you received from your senior administrator. In the very first line you notice a #! followed by a file path. This indicates that:

- A. The file at that location was used to make the script.
- B. This script provides identical functionality as the file at that location.
- C. This script will self-extract into a file at that location.
- D. The program at that location will be used to process the script.

Answer: D

NEW QUESTION 7

- (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 8

- (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 9

- (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)

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)

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 11

- (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 13

- (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 15

- (Exam Topic 2)

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 19

- (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 22

- (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 24

- (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 27

- (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 32

- (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 37

- (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 38

- (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 43

- (Exam Topic 3)

Which of the following files assigns a user to its primary group?

- A. /etc/pgroup
- B. /etc/shadow
- C. /etc/group
- D. /etc/passwd
- E. /etc/gshadow

Answer: D

NEW QUESTION 45

- (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 49

- (Exam Topic 3)

Which crontab entry could be used to set the system time at regular intervals?

- A. 1 0 * * * date \$d \$t \$24
- B. 1 0 * * * ntpdate ntp1.digex.net
- C. 1 0 * * * date ntp1.digex.net
- D. 1 0 * * * runcron date ntp1.digex.net
- E. 1 0 * * * settime \$d \$t \$24

Answer: B

NEW QUESTION 52

- (Exam Topic 4)

You need to pause the CUPS printer HPLaserjet4, and you want to cancel all print jobs with a message, "hello". Which command will do this?

- A. cupsreject -c -r hello HPLaserjet4
- B. cupsreject -p -m hello HPLaserjet4
- C. cupsdisable -c -r hello HPLaserjet4
- D. cupsdisable -p -m hello HPLaserjet4

Answer: C

NEW QUESTION 56

- (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 60

- (Exam Topic 4)

What is true regarding the command sendmail?

- A. With any MTA, the sendmail command must be run periodically by the cron daemon.
- B. All MTAs, including Postfix and Exim, provide a sendmail command.
- C. The sendmail command prints the MTAs queue history of which mails have been sent successfully.
- D. It is only available when the sendmail MTA is installed.

Answer: B

NEW QUESTION 64

- (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 69

- (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 73

- (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 77

- (Exam Topic 4)

Which file, when using Sendmail or a similar MTA system, will allow a user to redirect all their mail to another address and is configurable by the user themselves?

- A. /etc/alias
- B. ~/.alias
- C. /etc/mail/forwarders
- D. ~/.forward
- E. ~/.vacation

Answer: D

NEW QUESTION 80

- (Exam Topic 4)

What entry can you add to syslog.conf file to have all syslog messages generated by your system go to virtual console 12?

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

Answer: A

NEW QUESTION 83

- (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 87

- (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 88

- (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 91

- (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 95

- (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 96

- (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 98

- (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 103

- (Exam Topic 5)

Which command is used to set the hostname of the local system? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

hostname

NEW QUESTION 106

- (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 108

- (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 109

- (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 111

- (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 115

- (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 118

- (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 123

- (Exam Topic 5)

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

64

NEW QUESTION 128

- (Exam Topic 6)

Which of the following programs uses the hosts.allow file to perform its main task of checking for access control restrictions to system services?

- A. tcpd
- B. inetd
- C. fingerd
- D. mountd
- E. xinetd

Answer: A

NEW QUESTION 132

- (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 135

- (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 136

- (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 137

- (Exam Topic 6)

In an xinetd configuration file, which attribute specifies the network address that will be used to provide the service?

- A. Mastered

B. Not Mastered

Answer: A

Explanation:
bind, interface

NEW QUESTION 138

- (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 141

- (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 142

- (Exam Topic 6)

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 144

- (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 149

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