LPI

Exam Questions 102-500

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

NEW QUESTION 1
- (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 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 output will the following command produce? seq 1 5 20

A. 161116
B. 151015
C. 1234
D. 2345
E. 5101520

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 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 6
- (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 7
- (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 8
- (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 9
- (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 10
- (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 10
- (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 15
- (Exam Topic 1)
By default, the contents of which directory will be copied to a new user's home directory when the account is created by passing the -m option to the useradd command? (Specify the full path to the directory.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/skel

NEW QUESTION 17
- (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 21
- (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 26
- (Exam Topic 2)
What is the purpose of the Sticky Keys feature in X?

A. To assist users who have difficulty holding down multiple keys at once
B. To prevent repeated input of a single character if the key is held down
C. To ignore brief keystrokes according to a specified time limit
D. To repeat the input of a single character

Answer: A

NEW QUESTION 29
- (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 31
- (Exam Topic 2)
X is running okay but you're concerned that you may not have the right color depth set. What single command will show you the running color depth while in X?

A. xcd
B. xcdepth
C. xwininfo
D. xcolordepth
E. cat /etc/X11

Answer: C

NEW QUESTION 33
- (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 35
- (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 38
- (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 40
- (Exam Topic 2)
The X11 configuration file xorg.conf is grouped into sections. How is the content of the section SectionName associated with that section?

A. It is placed in curly brackets as in Section SectionName { ... }.
B. It is placed between a line containing Section "SectionName" and a line containing EndSection.
C. It is placed between the tags <Section name="SectionName"> and </Section>
D. It is placed after the row [SectionName].
E. It is placed after an initial unindented Section "SectionName" and must be indented by exactly one tab character.

Answer: B

NEW QUESTION 45
- (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 46
- (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 49
- (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 53
- (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 56
- (Exam Topic 3)
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

NEW QUESTION 59
- (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 64
- (Exam Topic 3)
Which TWO statements about crontab are true?

A. Every user may have their own crontab.
B. Changing a crontab requires a reload/restart of the cron daemon.
C. The cron daemon reloads crontab files automatically when necessary.
D. hourly is the same as "0 * * * *".
E. A cron daemon must run for each existing crontab.

Answer: AC

NEW QUESTION 69
- (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 71
- (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 73
- (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 76
- (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 79
- (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 81
- (Exam Topic 3)
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 remove from all mounted filesystems.
E. In case bob was the last member of a group, that group is deleted.

Answer: AB

NEW QUESTION 85
- (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 87
- (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 90
- (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 95
- (Exam Topic 3)
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

NEW QUESTION 96
- (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 101
- (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 103
- (Exam Topic 3)
Which of the following commands should be added to /etc/bash_profile in order to change the language of messages for an internationalized program to Portuguese (pt)?

A. export LANGUAGE="pt"
B. export MESSAGE="pt"
C. export UI_MESSAGES="pt"
D. export LC_MESSAGES="pt"
E. export ALL_MESSAGES="pt"

Answer: D

NEW QUESTION 106
- (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 lo
C. The at command runs at a specific time.
D. The at command reads commands from standard inpu
E. The batch command requires a command line argument.
F. The at command e-mails results to the use
G. The batch command logs results to syslog.

Answer: B

NEW QUESTION 108
- (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 111
- (Exam Topic 4)
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

NEW QUESTION 114
- (Exam Topic 4)
Which of the following are syslog facilities? (Choose TWO correct answers.)

A. local7
B. mail
C. advanced
D. postmaster
E. remote

Answer: AB

NEW QUESTION 115

- (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 119
- (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 121
- (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 122
- (Exam Topic 4)
Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
hwclock, /sbin/hwclock, /usr/sbin/hwclock

NEW QUESTION 126
- (Exam Topic 4)
What is pool.ntp.org?

A. A deprecated feature for maintaining system time in the Linux kernel
B. A website which provides binary and source packages for the OpenNTPD project
C. A virtual cluster of various timeservers
D. A community website used to discuss the localization of Linux

Answer: C

NEW QUESTION 129
- (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 134
- (Exam Topic 4)
Please specify the top directory containing the configuration files for the CUPS printing system. (Specify the full path to the directory.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/etc/cups, /etc/cups/

NEW QUESTION 139
- (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 142
- (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 147
- (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 150
- (Exam Topic 5) What is true regarding a default route?

A. The default route is always used firs
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 154
- (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 159
- (Exam Topic 5)
Which of the following tools used for DNS debugging, reports not only the response from the name server but also details about the query?

A. dnsq
B. dig
C. hostname
D. dnslookup
E. zoneinfo

Answer: B

NEW QUESTION 163
- (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 168
- (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 172
- (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 175
- (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 176
- (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 180
- (Exam Topic 5)
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

NEW QUESTION 184
- (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 186
- (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 189
- (Exam Topic 5)
Which of the following commands can be used to display the local routing table? (Choose TWO correct answers.)

A. ifconfig
B. dig
C. netstat
D. route
E. trackroute

Answer: CD

NEW QUESTION 194
- (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 196
- (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 197
- (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 201
- (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 202
- (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 206
- (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 210
- (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 211
- (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 214
- (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 217
- (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 218
- (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 223
- (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 227
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