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)
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 commands lists all defined variables and functions within Bash?

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

Answer: B

NEW QUESTION 4
- (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 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)
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 7
- (Exam Topic 1)
What word is missing from the following SQL statement?
_____ count(*) from tablename;
(Please specify the missing word using lower-case letters only.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
select

NEW QUESTION 8
- (Exam Topic 1)
Which of the following words is used to restrict the records that are returned from a SELECT SQL query based on a supplied criteria for the values in the records?

A. CASE
B. FROM
C. WHERE
D. IF

Answer: C

NEW QUESTION 9
- (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 10
- (Exam Topic 1)
Which of the following SQL queries counts the number of occurrences for each value of the field order_type in the table orders?

A. SELECT order_type,COUNT(*) FROM orders WHERE order_type=order_type;
B. SELECT order_type,COUNT(*) FROM orders GROUP BY order_type;
C. COUNT(SELECT order_type FROM orders);
D. SELECT COUNT(*) FROM orders ORDER BY order_type;
E. SELECT AUTO_COUNT FROM orders COUNT order_type;

Answer: B

NEW QUESTION 10
- (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 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 15
- (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 20
- (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 23
- (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 27
- (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 29
- (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 32
- (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 36
- (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 37
- (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 39
- (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 42
- (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 44
- (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 48
- (Exam Topic 3)
Which environment variable should be set in order to change the time zone for the commands run from within the environment variable's scope? (Specify the variable name only.)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
TZ

NEW QUESTION 51
- (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 56

- (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 60
- (Exam Topic 3)
Each entry in a crontab must end with what character?

A. Tab
B. Space
C. Backslash
D. Newline

Answer: D

NEW QUESTION 64
- (Exam Topic 3)
The system's timezone may be set by linking /etc/localtime to an appropriate file in which directory? (Provide the full path to the directory, without any country information)

A. Mastered
B. Not Mastered

Answer: A

Explanation:
/usr/share/zoneinfo/

NEW QUESTION 69
- (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 72
- (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 74
- (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 75
- (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 80
- (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 85
- (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 86
- (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 91
- (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 93
- (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 98
- (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 100
- (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 102
- (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 105
- (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 110
- (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 114
- (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 116
- (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 118
- (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 122
- (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 127
- (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 130
- (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 131
- (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 132
- (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 134
- (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 136
- (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 137
- (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 138
- (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 139
- (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 141
- (Exam Topic 6)
Which configuration file would be edited to change the default options for outbound SSH sessions?

A. /etc/ssh/sshd_config
B. /etc/ssh/ssh
C. /etc/ssh/client
D. /etc/ssh/ssh_config
E. /etc/ssh/ssh_client

Answer: D

NEW QUESTION 144
- (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 146
- (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 149
- (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 152
- (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 157
- (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 162
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