

Exam Questions LX0-104

CompTIA Linux+ [Powered by LPI] - Exam 2

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NEW QUESTION 1

Which of the following commands connects to the remote host example.com which has OpenSSH listening on TCP port 2222? (Choose TWO correct answers.)

- A. `ssh --port 2222 example.com`
- B. `ssh -p 2222 example.com`
- C. `ssh -o Port=2222 example.com`
- D. `ssh -o GatewayPort=2222 example.com`
- E. `ssh example.com:2222`

Answer: BC

Explanation:

Section: Security

NEW QUESTION 2

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

Explanation:

Section: Security

NEW QUESTION 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

Explanation:

Section: Administrative Tasks

NEW QUESTION 4

How many bits make up an IPv6 address?

- A. 32
- B. 48
- C. 64
- D. 128
- E. 256

Answer: D

Explanation:

Section: Networking Fundamentals

NEW QUESTION 5

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 6

What is true about groups in a Linux system? (Choose two correct answers.)

- A. Each user may be a member of several group

- B. However, only one group is the user's primary group.
- C. Groups may have a password that allows users to join that group temporarily.
- D. Each user can only be a member of one group at a time.
- E. Group memberships are optional such that there may be users that do not belong to any group.
- F. Groups can be nested meaning that one group can be a member of another group.

Answer: AB

Explanation:

Section: Administrative Tasks

NEW QUESTION 7

FILL BLANK

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 -or- sendmail -bi

Section: Essential System Services

NEW QUESTION 8

What is true regarding the statement beginning with #! That is found in the first line of a script?

- A. It prevents the script from being executed until the ! is removed.
- B. It specifies the path and the arguments of the interpreter used to run the script.
- C. It is a comment that is ignored by the script.
- D. It specifies the character encoding of the script.

Answer: B

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 9

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

Explanation:

Section: Essential System Services

NEW QUESTION 10

What is true about UIDs and GIDs?

- A. UIDs and GIDs share a common number space
- B. Each time a new user or group is created, the next free ID is assigned.
- C. The first four digits of each UID are the GID of the primary group of that user.
- D. The GID of a group is always the sum of the UIDs of its members.
- E. The number space is split
- F. UIDs usually reside in the range from 0 to 32767 while GIDs reside in the range from 32768 to 65535.
- G. There are distinct number spaces for UIDs and GIDs, i.
- H. the same number may be used as both UID and a GID.

Answer: E

Explanation:

Section: Administrative Tasks

NEW QUESTION 10

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 15

FILL BLANK

Instead of using specific host names or IP addresses, which string can be used in/etc/hosts.allow entries to cover any remote host no matter of its name or address? (Specify the relevant string only without any additional options or arguments.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

all

Section: Networking Fundamentals

NEW QUESTION 20

Which of the following commands can be used to associate open TCP ports with the processes that opened the ports?

- A. ptrace
- B. strace
- C. debug
- D. nessus
- E. lsof

Answer: D

Explanation:

Section: Networking Fundamentals

NEW QUESTION 25

Which of the following commands gets the GnuPG public key with the id 63B4835B from the keyserver example.com?

- A. gpg --keyserver hkp://example.com --recv-key 63B4835B
- B. gpg --search-key hkp:// 63B4835B@example.com
- C. gpg --keyserver gpg://example.com --get-key 63B4835B
- D. gpg --keyserver hkp://example.com --add-key 63B4835B
- E. gpg --keyserver gpg://example.com --key 63B4835B

Answer: A

Explanation:

Section: Security

NEW QUESTION 26

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 31

FILL BLANK

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

Section: Networking Fundamentals

NEW QUESTION 36

FILL BLANK

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
Section: Networking Fundamentals

NEW QUESTION 39

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

Explanation:

Section: Networking Fundamentals

NEW QUESTION 41

Which of the following commands pauses the Cups printerLaserPrinter?

- A. cupsreject LaserPrinter
- B. cupsreject -d LaserPrinter
- C. cupsdisable -d LaserPrinter
- D. cupsdisable LaserPrinter

Answer: D

Explanation:

Section: Essential System Services

NEW QUESTION 46

Which of the following statements is valid in the file /etc/nsswitch.conf?

- A. multi on
- B. 192.168.168.4 dns-server
- C. hosts: files dns
- D. include /etc/nsswitch.d/

Answer: C

Explanation:

Section: Networking Fundamentals

NEW QUESTION 50

Which of the following configuration files should be modified to globally set shell variables for all users?

- A. /etc/bashrc
- B. /etc/profile
- C. ~/.bash_profile
- D. /etc/.bashrc

Answer: B

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 52

Fill in the blank.

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 -or- \$DISPLAY
Section: Security

NEW QUESTION 57

FILL BLANK

What argument to the -type option of find will match files that are symbolic links? (Specify only the argument and no other options or words.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

I

Section: Security

NEW QUESTION 59

Which of the following files is consulted when programs likenetstattry to match port numbers to names?

- A. /etc/networks
- B. /etc/portmapper
- C. /etc/protocols
- D. /etc/resolv.conf
- E. /etc/services

Answer: E

Explanation:

Section: Networking Fundamentals

NEW QUESTION 64

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 68

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

Explanation:

Section: Networking Fundamentals

NEW QUESTION 72

When issuing the command ifconfig eth0 192.168.1.20/24up, which of the following happens? (Choose two correct answers.)

- A. The address 192.168.1.20 is associated with the interface eth0.
- B. A network route to 192.168.1.0 with the netmask 255.255.255.0 pointing directly to eth0 is created.
- C. 192.168.1.1 is probed for router functionality and, in case of success, it is added to the list of default routers.
- D. The addresses from 192.168.1.20 to 192.168.1.24 are activated on the interface eth0.
- E. If eth0 was configured with a previous IP address, it is retained in addition to adding the new address.

Answer: AB

Explanation:

Section: Networking Fundamentals

NEW QUESTION 73

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 77

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 79

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

Explanation:

Section: Security

NEW QUESTION 81

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 85

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 86

Which of the following commands will convert files from one character encoding to another?

- A. `convert`
- B. `enc2utf`
- C. `iconv`
- D. `transcode`

Answer: C

Explanation:

Section: Administrative Tasks

NEW QUESTION 89

Which of the following are tasks handled by a display manager like XDM or KDM? (Choose TWO correct answers.)

- A. Start and prepare the desktop environment for the user.
- B. Configure additional devices like new monitors or projectors when they are attached.
- C. Handle the login of a user.
- D. Lock the screen when the user was inactive for a configurable amount of time.
- E. Create an X11 configuration file for the current graphic devices and monitors.

Answer: AC

Explanation:

Section: User Interfaces and Desktops

NEW QUESTION 92

What output will the following command produce? seq 1 5 20

- A. 166
- B. 1515
- C. 123
- D. 235
- E. 51520

Answer: A

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 97

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 100

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

Explanation:

Section: Security

NEW QUESTION 103

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

Explanation:

Section: Essential System Services

NEW QUESTION 108

How does the ping command work by default?

- A. It sends a UDP packet to port 0 of the remote host and waits to receive a UDP error response in return.
- B. It sends an ARP request to a remote host and waits to receive an ARP response in return.
- C. It sends a TCP SYN packet to a remote host and waits to receive a TCP ACK response in return.
- D. It sends a broadcast packet to all hosts on the net and waits to receive, among others, a response from the target system.
- E. It sends an ICMP Echo Request to a remote host and waits to receive an ICMP Echo Response in return.

Answer: E

Explanation:

Section: Networking Fundamentals

NEW QUESTION 113

FILL BLANK

What is the lowest numbered unprivileged TCP port? (Specify the number in digits only.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1024

Section: Networking Fundamentals

NEW QUESTION 115

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 116

FILL BLANK

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 -or- interface

Section: Security

NEW QUESTION 119

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

Explanation:

Section: Networking Fundamentals

NEW QUESTION 124

Which Bash option prevents a user from accidentally overwriting a file with a ">"?

- A. set -o safe
- B. set -o noglob
- C. set -o noclobber
- D. set -o append
- E. set -o nooverwrite

Answer: C

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 125

FILL BLANK

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 -or- /sbin/hwclock -or- /usr/sbin/hwclock
Section: Essential System Services

NEW QUESTION 129

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

Explanation:

Section: Networking Fundamentals

NEW QUESTION 134

FILL BLANK

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
Section: Administrative Tasks

NEW QUESTION 137

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

Explanation:

Section: Essential System Services

NEW QUESTION 139

FILL BLANK

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 -or- /etc/cups/
Section: Essential System Services

NEW QUESTION 142

For accessibility assistance, which of the following programs is an on-screen keyboard?

- A. xkb
- B. atkb
- C. GOK
- D. xOSK

Answer: C

Explanation:

Section: User Interfaces and Desktops

NEW QUESTION 143

What is true about the file `/etc/localtime`?

- A. It is a plain text file containing a string such as Europe/Berlin.
- B. It is created and maintained by the NTP service based on the geolocation of the system's IP address.
- C. It is a symlink to `/sys/device/clock/ltime` and always contains the current local time.
- D. It is either a symlink to or a copy of a timezone information file such as `/usr/share/zoneinfo/Europe/Berli`

Answer: D

Explanation:

Section: Administrative Tasks

NEW QUESTION 146

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

Explanation:

Section: Essential System Services

NEW QUESTION 148

Which configuration file does `sudo` read when determining if a user is permitted to run applications with root privileges?

- A. `/etc/security.conf`
- B. `/etc/supasswd`
- C. `/etc/sudoers`
- D. `/etc/sudo.conf`

Answer: C

Explanation:

Section: Security

NEW QUESTION 152

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 155

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

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

Answer: D

Explanation:

Section: Essential System Services

NEW QUESTION 157

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 161

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

Explanation:

Section: Essential System Services

NEW QUESTION 166

Each entry in a crontab must end with what character?

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

Answer: D

Explanation:

Section: Administrative Tasks

NEW QUESTION 170

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

Explanation:

Section: Administrative Tasks

NEW QUESTION 175

FILL BLANK

What is the assigned port number for the HTTP service? (Specify the port number using digits.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

80

Section: Networking Fundamentals

NEW QUESTION 179

FILL BLANK

What is the default name of the configuration file for the Xorg X11 server? (Specify the file name only without any path.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

xorg.conf

Section: User Interfaces and Desktops

NEW QUESTION 183

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

Explanation:

Section: Shells, Scripting and Data Management

NEW QUESTION 184

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