

RealTest.102-400_120.Q&A

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LPI 102-400

LPI Level 1 Exam 102, Junior Level Linux Certification

- ☀ Created Questions into Sections, now we can learn by Sections with this help.
- ☀ Modified few questions, fixed few spelling mistakes and typos.
- ☀ These are the most accurate study questions. Just focus on these and sit in your exam.
- ☀ Still valid , Hurry up guys study and pass this one.

Sections

1. Shells, Scripting and Data Management
2. User Interfaces and Desktops
3. Administrative Tasks
4. Essential System Services

- 5. Networking Fundamentals
- 6. Security

Exam A

QUESTION 1

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

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

QUESTION 2

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

Correct Answer: BD

Section: Administrative Tasks

Explanation

Explanation/Reference:

QUESTION 3

Which command can be used to delete a group from a Linux system?

- A. `groupdel`
- B. `groupmod`
- C. `groups`
- D. `groupedit`

Correct Answer: A

Section: Administrative Tasks

Explanation

Explanation/Reference:

answer is valid.

QUESTION 4

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.

Correct Answer: E

Section: Administrative Tasks

Explanation

Explanation/Reference:

QUESTION 5

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.

Correct Answer: A

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 6

Which of the following commands can remove a user from a group?

- A. grouprm
- B. groupmod
- C. passwd
- D. usergroups
- E. usermod

Correct Answer: E

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

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.

Correct Answer: B

Section: Administrative Tasks

Explanation

Explanation/Reference:

QUESTION 8

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

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

Each entry in a crontab must end with what character?

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

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

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].

Correct Answer: C

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

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

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

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

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

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"

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

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

Correct Answer: ABD

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

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

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

Correct Answer: C

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 16

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/Berlin`.

Correct Answer: D

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

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 removed from all mounted filesystems.
- E. In case bob was the last member of a group, that group is deleted.

Correct Answer: AB

Section: Administrative Tasks

Explanation

Explanation/Reference:

answer is updated.

QUESTION 18

Which of the following fields can be found in the `/etc/group` file? (Choose THREE correct answers.)

- A. The list of users that belong to the group.
- B. The home directory of the group.
- C. The name of the group.
- D. The description of the group.
- E. The password of the group.

Correct Answer: ACE

Section: Administrative Tasks

Explanation

Explanation/Reference:

QUESTION 19

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.

Correct Answer: BC

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 20

Which of the following are syslog facilities? (Choose TWO correct answers.)

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

Correct Answer: AB

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

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.

Correct Answer: D

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

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

Correct Answer: D

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

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.

Correct Answer: B

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

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.

Correct Answer: A

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

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=

Correct Answer: BC

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

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

Correct Answer: ACD

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

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.

Correct Answer: B

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

Which of the following is a legacy program provided by CUPS for sending files to the printer queues on the command line?

- A. lpd
- B. lpp
- C. lpq
- D. lpr

Correct Answer: D

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

What entry can be added to the syslog.conf file to have all syslog messages generated by a system displayed on console 12?

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

Correct Answer: A

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

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.e. day, month and year) but not the time (i.e. hours, minutes, seconds).
- C. It queries one or more NTP time servers and adjusts the system time accordingly.
- D. It sends the local system time to one or many remote NTP time servers for redistribution.

E. It can be used by any user to set the user clock independently of the system clock.

Correct Answer: C

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

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.

Correct Answer: D

Section: Essential System Services

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

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

Correct Answer: D

Section: Essential System Services

Explanation

Explanation/Reference:

answer is modified.

QUESTION 33

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

Correct Answer: AD

Section: Networking Fundamentals

Explanation

Explanation/Reference:

QUESTION 34

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.

Correct Answer: A

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

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

Correct Answer: E

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 36

Which of the following details is NOT provided in any output from the netstat utility?

- A. broadcast services
- B. interface statistics
- C. masquerading connections
- D. network connections
- E. routing tables

Correct Answer: A

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 37

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

Correct Answer: CD

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 38

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.

Correct Answer: B

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

What is true regarding a default route?

- A. The default route is always used first. When the default route is not available more specific routes are tried.
- B. When a default route is set, all other routes are disabled until the default route is deleted.
- C. The default route is only used if there is not a more specific route to a destination host or network.
- D. Without a default route, no network communication even in directly attached networks is possible.

Correct Answer: C

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 40

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

Correct Answer: AC

Section: Networking Fundamentals

Explanation

Explanation/Reference:

answer is corrected.

QUESTION 41

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

Correct Answer: BD

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 42

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.

Correct Answer: BCD

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 43

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.

Correct Answer: A

Section: Networking Fundamentals

Explanation

Explanation/Reference:

QUESTION 44

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/

Correct Answer: C

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 45

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

Correct Answer: BDE

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 46

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

Correct Answer: B

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 47

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.

Correct Answer: AD

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 48

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

Correct Answer: E

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 49

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.

Correct Answer: E

Section: Networking Fundamentals

Explanation

Explanation/Reference:

answer is updated.

QUESTION 50

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

Correct Answer: A

Section: Networking Fundamentals

Explanation

Explanation/Reference:

Explanation:

QUESTION 51

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

Correct Answer: BC

Section: Networking Fundamentals**Explanation****Explanation/Reference:**

Explanation:

QUESTION 52

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.

Correct Answer: D

Section: Networking Fundamentals**Explanation****Explanation/Reference:**

Explanation:

QUESTION 53

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

Correct Answer: D

Section: Security**Explanation****Explanation/Reference:**

Explanation:

QUESTION 54

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

Correct Answer: A

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 55

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

Correct Answer: C

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 56

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

Correct Answer: B

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 57

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

Correct Answer: A

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 58

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

Correct Answer: A

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 59

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

Correct Answer: B

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 60

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.

Correct Answer: B

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 61

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

Correct Answer: C

Section: Security

Explanation

Explanation/Reference:

Explanation:

QUESTION 62

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

Correct Answer: BC

Section: Security

Explanation

Explanation/Reference:

answer is verified.

QUESTION 63

What word is missing from the following SQL statement?

insert into tablename _____(909, 'text');

(Please specify the missing word using lower-case letters only.)

Correct Answer: VALUES, values

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

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.)

Correct Answer: /etc/skel

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

What word is missing from the following SQL statement?

_____ count(*) from tablename;

(Please specify the missing word using lower-case letters only.)

Correct Answer: select

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

What command displays all aliases defined in the current shell? (Specify the command without any path information)

Correct Answer: alias, alias -p

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

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.)

Correct Answer: /usr/bin/xwininfo, xwininfo

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68

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

Correct Answer: xorg.conf

Section: (none)

Explanation

Explanation/Reference:

QUESTION 69

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.)

Correct Answer: xdm

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

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

Correct Answer: /etc/at.deny

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

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)

Correct Answer: /usr/share/zoneinfo/

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72

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.)

Correct Answer: TZ

Section: (none)

Explanation

Explanation/Reference:

QUESTION 73

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.)

Correct Answer: /etc/cron.allow

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

Which command is used to add an empty group to the system? (Specify ONLY the command without any path or parameters.)

Correct Answer: groupadd, /usr/sbin/groupadd

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75

Which option in the /etc/ntp.conf file specifies an external NTP source to be queried for time information? (Specify ONLY the option without any values or parameters.)

Correct Answer: server

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76

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.)

Correct Answer: lpq, /usr/bin/lpq, lpstat, /usr/bin/lpstat

Section: (none)

Explanation

Explanation/Reference:

QUESTION 77

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.)

Correct Answer: newaliases, sendmail -bi

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

Correct Answer: hwclock, /sbin/hwclock, /usr/sbin/hwclock

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79

Which command, available with all MTAs, is used to list the contents of the MTA's mail queue?
(Specify ONLY the command without any path or parameters.)

Correct Answer: mailq, /usr/bin/mailq, sendmail -bp, /usr/sbin/sendmail -bp, /usr/lib/sendmail -bp, sendmail, /usr/sbin/sendmail, /usr/lib/sendmail

Section: (none)

Explanation

Explanation/Reference:

QUESTION 80

Please specify the top directory containing the configuration files for the CUPS printing system.
(Specify the full path to the directory.)

Correct Answer: /etc/cups, /etc/cups/

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

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

Correct Answer: 64

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

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

Correct Answer: hostname

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

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)

Correct Answer: up

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

How many IP-addresses can be used for unique hosts inside the IPv4 subnet 192.168.2.128/28?
(Specify the number only without any additional information.)

Correct Answer: 14

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

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

Correct Answer: 1024

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

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.)

Correct Answer: netstat, /bin/netstat, ss, /usr/bin/ss

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

Which port is the default server port for the HTTPS protocol? (Specify the port number using digits.)

Correct Answer: 443

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

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?

Correct Answer: files

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

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

Correct Answer: bind, interface

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

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.)

Correct Answer: l

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

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.)

Correct Answer: DISPLAY, \$DISPLAY

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

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.)

Correct Answer: /etc/nologin

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

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.)

Correct Answer: /etc/xinetd.d/, /etc/xinetd.d

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

Which file lists which users can execute commands using sudo? (Specify the full name of the file, including path.)

Correct Answer: /etc/sudoers

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

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/s46-c-k-no/photo.jpg>

Correct Answer: /etc/hosts.allow

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

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.)

Correct Answer: /etc/shadow

Section: (none)

Explanation

Explanation/Reference:

QUESTION 97

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

Correct Answer: A

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 98

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.

Correct Answer: C

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

answer is valid

QUESTION 99

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

Correct Answer: B

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 100

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.

Correct Answer: B

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 101

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

Correct Answer: A

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

answer is verified.

QUESTION 102

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}"`

Correct Answer: A

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

QUESTION 103

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

Correct Answer: BE

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 104

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 file. The `-e` option tests for an empty file.
- C. Both options check the existence of the path. The `-f` option also confirms that it is a regular file.
- D. The `-f` option tests for a regular file. The `-e` option tests for an executable file.

Correct Answer: C

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 105

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`

Correct Answer: C

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 106

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.

Correct Answer: B

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 107

What output will the following command produce?

```
seq 1 5 20
```

- A. 1
- B. 1
- C. 1
- D. 2
- E. 5

Correct Answer: A

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 108

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

Correct Answer: C

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 109

Which of the following commands lists all defined variables and functions within Bash?

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

Correct Answer: B

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 110

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;

Correct Answer: B

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 111

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.

Correct Answer: C

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

Explanation:

QUESTION 112

Which of the following are requirements in order to run a shell script like a regular command from anywhere in the filesystem? (Choose THREE correct answers.)

- A. The user issuing the command must be in the group script.
- B. The script file must be found in the \$PATH.
- C. The script file must have the executable permission bit set.
- D. The script must begin with a shebang-line (!) that points to the correct interpreter.
- E. The file system on which the script resides must be mounted with the option scripts.

Correct Answer: BCD

Section: Shells, Scripting and Data Management

Explanation

Explanation/Reference:

answer is appropriate.

QUESTION 113

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

Correct Answer: A

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

Explanation:

QUESTION 114

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.

Correct Answer: B

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

QUESTION 115

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.

Correct Answer: A

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

Explanation:

QUESTION 116

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.

Correct Answer: B

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

Explanation:

QUESTION 117

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

Correct Answer: C

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

Explanation:

QUESTION 118

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

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

D. xOSK

Correct Answer: C

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

Explanation:

QUESTION 119

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.

Correct Answer: AC

Section: User Interfaces and Desktops

Explanation

Explanation/Reference:

modified.

QUESTION 120

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.

Correct Answer: A

Section: Administrative Tasks

Explanation

Explanation/Reference:

Explanation: