



117-201^{Q&As}

Linux Advanced Administration

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**QUESTION 1**

This program has 3 operating modes: copy-in mode, copy-out mode, and copy-pass mode, and is used to copy files into or out of archives. What program is this? (Please provide the command name only, with no arguments or path.)

Correct Answer: cpio

QUESTION 2

What command is used to force a file-system check, when rebooting?

- A. reboot-f
- B. shutdown -f now
- C. shutdown -c -r now
- D. fsck -r
- E. shutdown -F -r now

Correct Answer: E

QUESTION 3

Which environment variable you have to setup to use shared libraries that are not in the standard search path?

Correct Answer: LD_LIBRARY_PATH

QUESTION 4

Some users are unable to connect to specific local hosts by name, while accessing hosts in other zones works as expected. Given that the hosts are reachable by their IP addresses, which is the default log file that could provide hints about the problem?

- A. /var/named/log
- B. /var/lib/named/dev/log
- C. /var/log/bind_errors
- D. /var/log/bind/errors
- E. /var/log/messages

Correct Answer: E

**QUESTION 5**

Running tcpdump -nli eth1 '\\tcp\\' shows the following output:

```
14:41:53.694538 IP 10.1.52.145.51738 > 24.215.7.162.143: Flags [.], ack 33051, win 1002, options [nop,nop,TS val 36789130 ecr 1746004159], length 0
```

What is the source IP address of this packet? (Please specify the answer in digits and dots ONLY.)

Correct Answer: 10.1.52.145

QUESTION 6

When compiling kernel modules, which make target will remove most generated files but keep the config file and enough build support to build external modules? (Please enter only the make target and no other words)

Correct Answer: clean

QUESTION 7

Why the root file system is mounted read-only during boot and remounted with write permission later on?

- A. Because if problems with the root file system are detected during the boot, fsck can be run, without risk of damage.
- B. Because this way crackers cannot collect information about root with bootsniffers
- C. To avoid writing to the disk, unless the root password is known.
- D. To avoid other operating systems overwriting the Linux root partition
- E. Because the disk has its own write protection that cannot change by the operating system.

Correct Answer: A

QUESTION 8

According to the Filesystem Hierarchy Standard (FHS), what is the path to the Linux kernel source and may be a symbolic link to the real Linux source code? (Please specify the full path with no version information.)

Correct Answer: /usr/src/linux, /usr/src/linux/

QUESTION 9

Performing a DNS lookup with dig results in this

```
:: question SECTION: ;5.123.168.192.in-addr.arp
```

a. IN PTR



:: ANSWER SECTION:

5.123.168.192.in-addr.arpa. 600 IN PTR linuxserv.example.net.123.168.192.in-addr.arpa.

::AUTHORITY SECTION:

123.168.192.in-addr.arpa. 600 IN NS linuxserv.example.net.

:: ADDITIONAL SECTION:

linuxserv.example.net. 600 IN A 192.168.123.5

What might be wrong in the zone definition?

- A. Nothing. All seems to be good.
- B. There\\'s no "." after linuxserv.example.net in the PTR record in the forward lookup zone file.
- C. There\\'s no "." after linuxserv in the PTR record in the forward lookup zone file.
- D. There\\'s no "." after linuxserv.example.net in the PTR record in the reverse lookup zone file.
- E. The "." in the NS definition in reverse lookup zone has to be removed.

Correct Answer: D

QUESTION 10

After configuring a new 2.4 series kernel, all dependencies, such as included files, need to be created. How can this be achieved?

- A. make dependencies
- B. make clean
- C. makemrproper
- D. make dep
- E. maketest

Correct Answer: D

QUESTION 11

On a system with separate partitions for /, /usr, /var, /tmp, which filesystem[s] can safely be mounted read only?

- A. /var, /usr
- B. /var



C. /usr, /, /tmp

D. /usr

E. /tmp

Correct Answer: D

QUESTION 12

What script is included with the kernel source to patch a kernel?

A. patch

B. patch-kernel

C. apply-patch

D. update-kernel

Correct Answer: B

QUESTION 13

In order to generate a pair of asymmetric keys to use during an SSH connection, please choose the correct command to use?

A. ssh-keygen -t dsa

B. ssh-agent

C. sshd

D. ssh-agent -t dsa

E. ssh-keyscan-tdsa

Correct Answer: A

QUESTION 14

What is the purpose of vgextend?

A. Extend a volume group's footprint on disk

B. Add physical volumes to a volume group

C. Increase the number of days between scheduled error checking

D. Create a volume group which uses all available space on disk



Correct Answer: B

QUESTION 15

Which of the following applications utilize the device mapper? (Select TWO correct answers) A. SELinux

B. LVM2

C. EVMS

D. GRUB

E. LILO

Correct Answer: BC

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