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LPIC-2 Exam 201

LPI 201-400

Version Demo

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QUESTION NO: 1

Which commands are used to load modules into the Linux kernel? (Choose TWO correct answers.)

- A. insmod
- B. loadmod
- C. kernload
- D. modprobe
- E. probemod

ANSWER: A D**QUESTION NO: 2**

In the below example output, which columns detail the percent of time the CPU spent running non-kernel code and the percent of time the CPU spent running kernel code? (Choose TWO correct answers.)

```
# vmstat 1 100
procs -----memory----- ---swap-- -----io----- --system-- ----cpu----
r b swpd free buff cache si so bi bo in cs us sy id wa
0 0 0 282120 134108 5797012 0 0 0 2 0 0 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 359 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1117 577 0 0 100 0
0 0 0 282120 134108 5797012 0 0 0 0 1007 366 0 0 100 0
```

- A. id
- B. us
- C. wa
- D. sy

ANSWER: B D**QUESTION NO: 3**

What tool can you use to print shared library dependencies?

- A. ldconfig
- B. ldd
- C. libdep
- D. libpath
- E. ldev

ANSWER: B

QUESTION NO: 4

Which of the following is a CD-ROM filesystem standard?

- A. OSI9660
- B. ISO9660
- C. SR0FS
- D. ISO8859
- E. ROM-EO

ANSWER: B

QUESTION NO: 5

How would you find out the version of the kernel in /usr/src/linux?

- A. cat /usr/src/linux/.version
- B. cat /usr/src/linux/VERSION
- C. Look in the README
- D. head -4 /usr/src/linux/Makefile

ANSWER: D

Explanation:

The head command is used to display the first few lines of a file. The default is 10 lines but you can specify a number (in this case 4). The makefile is a script that tells the make utility how to build a program or programs (in this case, the kernel). Most makefiles contain comments at the top of the file which describe the program and version information.

Reference: <http://www.opussoftware.com/tutorial/TutMakefile.htm>

Incorrect Answers

A: .version doesn't usually exist as a subdirectory of file. Rather, it is usually a directory /usr/src/linux.version or /usr/src/linux[VERSION] containing the kernel source.

B: VERSION doesn't usually exist as a subdirectory of file. Rather, it is usually a directory /usr/src/linux.version or /usr/src/linux[VERSION] containing the kernel source.

C: There usually isn't a README file containing version information.

QUESTION NO: 6

Which of the following files are used to resolve hostnames to IP addresses? (Choose TWO correct answers.)

- A. /etc/systems
- B. /etc/hosts
- C. /etc/network
- D. /etc/dns.conf
- E. /etc/resolv.conf

ANSWER: B E**QUESTION NO: 7**

To allow more than one client username to share one local account on a Samba server, which of the following configuration directives can be used?

- A. users
- B. force user
- C. client map
- D. map users
- E. username map

ANSWER: E**Explanation:**

man smb.conf

QUESTION NO: 8

Which of the following daemons must be running on an NFS server?

- A. portmap
- B. nfsiod
- C. nfsd
- D. xinetd
- E. mountd

ANSWER: A C E

Explanation:

If you want to provide NFS service to other hosts, you have to run the `rpc.nfsd` and `rpc.mountd` daemons on your machine. As RPC-based programs, they are not managed by `inetd`, but are started up at boot time and register themselves with the portmapper; therefore, you have to make sure to start them only after `rpc.portmap` is running.

Portmap provides port information to clients requesting RPC services on the server. Mountd determines which filesystem and devices are available to which machine and users. Nfsd is the daemon on the server that handles client filesystem requests.

Reference: <http://www.linuxvalley.it/encyclopedia/ldp/guide/nag2/x-087-2-nfs.daemons.html>

Incorrect Answers

B: Nfsiod runs on an NFS client machine to service asynchronous I/O requests to its server. It improves performance but is not required for correct operation.

D: Xinetd is a replacement for `inetd`, the internet services daemon, and offers improved functionality. However, it is not a requirement to run NFS.

QUESTION NO: 9

To allow a user to mount a CD and read from it, which entry should be put into `/etc/fstab`?

- A. `/dev/cdrom /mnt/cdrom iso9660 noauto,user,ro 0 0`
- B. `/dev/cdrom /mnt/cdrom iso9660 noauto,uid=user,gid=group,ro 0 0`
- C. `/dev/cdrom /mnt/cdrom iso9660 noauto,User,ro 0 0`
- D. `/dev/cdrom /mnt/cdrom iso9660 noauto,usermap,ro 0 0`
- E. `/dev/cdrom /mnt/cdrom iso9660 noauto,owners,ro 0 0`

ANSWER: A

Explanation:

This entry in the `fstab` file allows any user to mount the CD-ROM (`/dev/cdrom`) in the `/mnt/cdrom` directory. `iso9660` is the file system for the CD-ROM. `Noauto` means that the CD-ROM won't be automatically mounted when the system boots. The first

'0' means that the CD-ROM shouldn't be backed up and the second '0' means that the CD-ROM file system shouldn't be checked for errors when the machine boots.

Reference: Roderick W. Smith. Sybex Linux + Study Guide: Page 400/1.

Incorrect Answers:

- B: The syntax of this entry is incorrect.
- C: The 'user' field should be lowercase.
- D: Usermap is an invalid entry for the user field.
- E: Owners is an invalid entry for the user field.

QUESTION NO: 10

When planning a web server which of the following choices will impact system sizing? (Choose THREE correct answers.)

- A. How many concurrent users are expected.
- B. Which hardware vendor has better Linux support.
- C. What type of content will be served.
- D. What scripting languages will the web server support.
- E. Will the OS install be CD, DVD or network based.

ANSWER: A C D**QUESTION NO: 11**

A Linux server is running in single user mode for regular maintenance. Which commands are used to restore the server to its usual runlevel? (Choose TWO correct answers.)

- A. telinit 0
- B. shutdown -r now
- C. sync
- D. shutdown -h now
- E. reboot

ANSWER: B E**QUESTION NO: 12**

What is the purpose of udevmonitor?

- A. Listen to kernel events produced by a udev rule and print information to the console
- B. Monitors the /dev directory for new devices
- C. Monitors the udev process and prints performance statistics to the console
- D. Communicates with D-Bus to setup new devices

ANSWER: A

QUESTION NO: 13

What does the -p3 option to the patch command do?

- A. It will strip off path information from each file mentioned in the patch file up to and including the third / character.
- B. patch continues execution as long as there are three or fewer errors.
- C. It instructs patch to look up to three lines of context before or after the declared line in the original file for a match.
- D. patch will keep three previous versions of each file in the output to prevent loss of change history.
- E. It instructs patch to conform more strictly to the POSIX standard.

ANSWER: A

QUESTION NO: 14

Where is the LILO boot loader code typically installed on a system with only a single Linux installation and no other operating systems?

- A. In the master boot record.
- B. In the boot sector.
- C. In the /boot directory.
- D. At the start of the kernel.

ANSWER: A

QUESTION NO: 15

Considering the following kernel IP routing table below, which of the following commands must be used to remove the route to the network 10.10.1.0/24? (Select TWO answers)

Kernel IP routing table

Destination Gateway Genmask Flags Metric Ref Use Iface

203.0.113.162 0.0.0.0 255.255.255.255 UH 0 0 0 ppp0

172.16.87.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0

192.168.246.0 0.0.0.0 255.255.255.0 U 0 0 0 eth1

10.10.1.0 192.168.246.11 255.255.255.0 UG 0 0 0 eth1

127.0.0.0 0.0.0.0 255.0.0.0 U 0 0 0 lo

0.0.0.0 203.0.113.162 0.0.0.0 UG 0 0 0 ppp0

A. ip net delete 10.10.1.0/24

B. route del 10.10.1.0/24

C. route del -net 10.10.1.0/24

D. route del 10.10.1.0/24 gw 192.168.246.11

E. ip route delete 10.10.1.0/24

ANSWER: C E

QUESTION NO: 16

See the exhibit of DNS lookup with dig command:

```
:: QUESTION SECTION:
;5.123.168.192.in-addr.arpa. IN PTR
:: ANSWER SECTION:
5.123.168.192.in-addr.arpa. 600 IN PTR linuxerv.example.net.123.168.192.in-addr.arpa.
:: AUTHORITY SECTION:
123.168.192.in-addr.arpa. 600 IN NS linuxerv.example.net.
:: ADDITIONAL SECTION:
linuxerv.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 linuxerv.example.net in the PTR record in the forward lookup zone file

C. There's no "." after linuxerv in the PTR record in the forward lookup zone file

D. There's no "." after linuxerv.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

ANSWER: D

QUESTION NO: 17

To remove the patch patch-2.4.28.tar.bz2 from a kernel source tree, the command that must be used is:

- A. bunzip2 -c ../patch-2.4.28.tar.bz2 | patch -Rp1
- B. bunzip2 ../patch-2.4.28.tar.bz2 | patch -rp1
- C. bunzip2 ../patch-2.4.28.tar.bz2 | unpatch -p1
- D. bunzip2 -c ../patch-2.4.28.tar.bz2 | patch -rp1
- E. bunzip2 ../patch-2.4.28.tar.bz2 | patch -Rp1
- F. bunzip2 -c ../patch-2.4.28.tar.bz2 | unpatch -p1

ANSWER: A**QUESTION NO: 18**

What should be done to ensure a client machine uses the recursive nameserver running on the IP address 192.168.0.1? (Choose TWO correct answers.)

- A. Add nameserver 192.168.0.1 to /etc/resolv.conf.
- B. Run route add nameserver 192.168.0.1.
- C. Run ifconfig eth0 nameserver 192.168.0.1.
- D. Ensure that the dns service is listed in the hosts entry in the /etc/nsswitch.conf file.
- E. Run bind add nameserver 192.168.0.1.

ANSWER: A D**QUESTION NO: 19**

Which of the following wireless tools can be used to check the wireless network link quality? (Choose TWO correct answers.)

- A. iwconfig
- B. iwlink
- C. iwscan
- D. iwifi
- E. iw

ANSWER: A E

QUESTION NO: 20

What information can be found in the log file specified by the status parameter in OpenVPN's server.conf? (Select TWO correct answers)

- A.** Errors and warnings generated by the openvpn daemon
- B.** Routing information
- C.** Statistical information regarding the currently running openvpn daemon
- D.** A list of currently connected clients
- E.** A history of all clients who have connected at some point

ANSWER: B D