



# LPI

## Exam Questions 201-450

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#### NEW QUESTION 1

When is historical data of resource usage important? (Select THREE correct answers.)

- A. Predicting when resources will need to be increased.
- B. Selecting a computer vendor.
- C. Identifying processes killed during out of memory occurrences.
- D. Diagnosing capacity problems.
- E. Troubleshooting a software problem.

**Answer:** ADE

#### NEW QUESTION 2

Which of the following commands will provide the PIDs of the processes sorted by which are using the most CPU cycles on the Linux system?

- A. top
- B. uptime
- C. ps aux
- D. vmstat
- E. freemem

**Answer:** A

#### NEW QUESTION 3

In the following output, the load averages represent the system load averages for what time frames? 12:10:05 up 18 days, 19:00, 2 users, load average: 0.47, 24.71, 35.31

- A. 1, 5 and 15 minutes
- B. 1, 15 and 30 minutes
- C. 1, 15, and 30 seconds
- D. 15, 30 and 60 minutes
- E. 15, 30 and 60 seconds

**Answer:** A

#### NEW QUESTION 4

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:** AD

#### NEW QUESTION 5

Which directory contains the system-specific udev rule files? (Specify the absolute path including the directory name)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/etc/udev/rules.d, /etc/udev/rules.d/

#### NEW QUESTION 6

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.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/usr/src/linux, /usr/src/linux/

#### NEW QUESTION 7

After configuring a new kernel, what file under /usr/src/linux/ contains the configuration?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/usr/src/linux/.config, .config

#### NEW QUESTION 8

Which file tells GRUB the paths of the filesystem partitions in both Linux format and in the GRUB syntax? (Specify the file name only with no path information)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

device.map

#### NEW QUESTION 9

Which option to the update-rc.d command will cause the removal of all symlinks to /etc/rcX.d/\*test2 even when the script /etc/init.d/test2 still exists?

- A. -d
- B. -f
- C. -n
- D. -r

**Answer:** B

#### NEW QUESTION 10

Please enter the complete path to the main SysV init process configuration file.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/inittab

#### NEW QUESTION 10

What is the functionality that PXE provides?

- A. The ability to boot a computer using its network interface.
- B. The ability to launch a remote X11 desktop on a computer.
- C. The ability to verify a system's configuration after completing the boot process.
- D. The ability to verify a system's configuration before completing the boot process.

**Answer:** A

#### NEW QUESTION 11

The main configuration file for autofs has this entry:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/home /etc/auto.home

#### NEW QUESTION 15

What is the meaning of the /etc/auto.home file?

- A. It has the indirect maps for the mounting of file systems.
- B. It has configuration information, such as passwords and keys, for the remote file server.
- C. It has configuration information on settings for the /home mount point.
- D. It is the holds the SSL key to allow authentication to the remote file server.

**Answer:** D

**Explanation:**

54. What is the purpose of the smartd daemon?

- A. It is a user space daemon used for reading smart cards and integrated circuit chips.
- B. It attempts to automatically repair file systems upon a failed file system check.
- C. It monitors process activity and helps the kernel decide which processes to kill when the kernel overcommits.
- D. It monitors certain disk drives and attempts to predict when they will fail.

#### NEW QUESTION 17

Which of the following best describes the format of the /etc/fstab file?

- A. device name; filesystem type; mount point; mount options; dump filesystem; fsck order
- B. device name; mount point; filesystem type; mount options; dump filesystem; fsck order
- C. device name; mount point; mount options; filesystem type; dump filesystem; fsck order
- D. mount point; filesystem type; device name; mount options; dump filesystem; fsck order
- E. mount point; device name; filesystem type; mount options; dump filesystem; fsck order

**Answer: B**

#### NEW QUESTION 21

Which files are updated as devices are mounted and unmounted to provide information on the currently mounted devices and the options used? (Choose TWO correct answers.)

- A. /proc/dtab
- B. /etc/mtab
- C. /etc/fstab
- D. /proc/mounts
- E. /proc/devices

**Answer: BD**

#### NEW QUESTION 22

What is the main template file used by autofs?

- A. default.maps
- B. auto.conf
- C. auto.master
- D. autofs.master

**Answer: C**

#### NEW QUESTION 24

What mount option must be used in /etc/fstab when mounting an iSCSI target?

- A. \_santarget
- B. iscsi
- C. waitiscsi
- D. \_netdev

**Answer: D**

#### NEW QUESTION 26

What keyword is missing in the following line from /etc/fstab in order to make a USB flash device writeable by the user fred when mounted:

/dev/sda1 /mnt/usbflash vfat defaults,users, \_\_\_\_\_ =fred,umask=022, 0 0

(Provide the option name only without any settings)

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

uid

#### NEW QUESTION 31

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

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

**Answer: B**

#### NEW QUESTION 36

Which of the following best describes the format of the /etc/fstab file?

- A. device name; filesystem type; mount point; mount options; dump filesystem; fsck order
- B. device name; mount point; filesystem type; mount options; dump filesystem; fsck order
- C. device name; mount point; mount options; filesystem type; dump filesystem; fsck order
- D. mount point; filesystem type; device name; mount options; dump filesystem; fsck order
- E. mount point; device name; filesystem type; mount options; dump filesystem; fsck order

Answer: B

#### NEW QUESTION 38

What command is used to make an exact copy, at a single point in time, of a logical volume for backup purposes?

- A. lvsnap
- B. lvsnapshot
- C. lvcreate
- D. lvcopy
- E. lvclone

Answer: C

#### NEW QUESTION 39

Which program lists information about files and network connections opened by processes? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

lsuf, /usr/bin/lsuf

#### NEW QUESTION 43

Which of the following commands can be used to script interactions with various TCP or UDP services?

- A. ftp
- B. nc
- C. tcpdump
- D. strings
- E. wget

Answer: B

#### NEW QUESTION 46

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: CE

#### NEW QUESTION 49

What should be done to ensure a client machine uses the recursive nameserver running on the IP address 192.168.1.1 ? (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: AD

#### NEW QUESTION 51

A network client has an ethernet interface (eth0) configured with an IP address in the subnet 192.168.0.0/24. This subnet has a router, with the IP address 192.168.0.1, that connects this subnet to the Internet. What needs to be done on the client to enable it to use the router as its default gateway? (Choose TWO correct answers.)

- A. route add default gw 192.168.0.1 eth0
- B. ifconfig eth0 defaultroute 192.168.0.1
- C. ip route add default via 192.168.0.1 dev eth0
- D. echo defaultroute 192.168.0.1 >> /etc/resolv.conf
- E. route add defaultgw=192.168.0.1 if=eth0

**Answer:** AC

#### NEW QUESTION 54

The following is an excerpt from the output of `tcpdump -nli eth1 'udp': 13:03:17.277327 IP 192.168.123.5.1065 > 192.168.5.112.53: 43653+ A? lpi.org. (25)  
13:03:17.598624 IP 192.168.5.112.53 > 192.168.123.5.1065: 43653 1/0/0 A 198.51.100.42 (41)`

Which network service or protocol was used?

- A. FTP
- B. HTTP
- C. SSH
- D. DNS
- E. DHCP

**Answer:** D

#### NEW QUESTION 58

What is incorrect about these entries in `/etc/hosts` which could be causing host name lookup problems with `host2`?

```
host1 192.168.1.12  
host2 192.168.1.12
```

- A. Two host names are using the same IP address.
- B. The server doing the query is on a different subnet.
- C. The fields are out of order.
- D. `host2` is not a fully qualified domain name.

**Answer:** C

#### NEW QUESTION 59

Which file contains the text message that is displayed after logging into the console? (Specify the full name of the file, including path.)

- A. `Mastered`
- B. `Not Mastered`

**Answer:** A

#### Explanation:

`/etc/motd`

#### NEW QUESTION 60

Which sub command to `crypsetup` shows information about an encrypted LUKS partition?

- A. `luksDump`
- B. `luksInfo`
- C. `luksDebug`
- D. `luksLS`
- E. `luksShow`

**Answer:** A

#### NEW QUESTION 64

Which of the following commands erases the contents of the `/dev/sdb3` partition?

- A. `rm /dev/sdb3`
- B. `dd if=/dev/zero of=/dev/sdb3`
- C. `dd of=/dev/zero if=/dev/sdb3`
- D. `umount /dev/sdb3`

**Answer:** B

#### NEW QUESTION 67

Which of the following commands lists IPv4 addresses and MAC addresses of network nodes that the local system has seen on its directly connected IP networks?

- A. `arp`
- B. `ifconfig`
- C. `ipadm`
- D. `iwlist`

**Answer:** A

#### NEW QUESTION 70

Which of the following properties should be recorded in order to monitor the quality of a network link? (Choose two.)

- A. Bandwidth in both directions
- B. Number of nodes using the link

- C. Effective Latency
- D. Number of IPv4 and IPv6 packets
- E. Number of used TCP ports

**Answer:** AC

#### NEW QUESTION 74

What command ensures that the file systems are written to disk after a lot of write operations? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

sync

#### NEW QUESTION 78

What effect does the `-f` option to the `update-rc.d` command have on files in the `/etc/rcX.d/` and `/etc/init.d/` directories?

- A. It will force the removal of the symlinks in `/etc/rcX.d/` even when the links are read only
- B. It will remove both the symlinks in `/etc/rcX.d/` and the init script in `/etc/init.d/`
- C. It will remove the init script in `/etc/init.d/` and the symlinks in `/etc/rcX.d/` and update the package information of installed files
- D. It will force the removal of symlinks in `/etc/rcX.d/` even if the corresponding init script still exists in `/etc/init.d/`

**Answer:** D

#### NEW QUESTION 80

Which of the following configuration files are used by `tcpwrapper`?

- A. `/etc/tcpd.allow` and `etc/tcpd.deny`
- B. `/etc/tcpwrapper.allow` and `/etc/tcpwrapper.deny`
- C. `/etc/hosts.allow` and `/etc/hosts.deny`
- D. `/etc/service.allow` and `/etc/service.deny`

**Answer:** C

#### NEW QUESTION 83

Which is the main configuration file for the SystemV init process? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

`/etc/inittab`

#### NEW QUESTION 85

After the downloading `patch-4.6.4.xz` from <http://kernel.org>, what are the next steps to prepare the build of a version 4.6.4 Linux kernel? (Choose two.)

- A. Uncompress the file and move the resulting directory to `/usr/src/linux`
- B. Apply the patch file to the kernel source directory containing kernel version 4.6.0
- C. Apply the patch file to the kernel source directory containing kernel version 4.6.3
- D. Uncompress the file using `xz` to get the uncompressed patch file
- E. Use `patch` to apply the uncompressed patch file to the source directory of any previous kernel version

**Answer:** DE

#### NEW QUESTION 87

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