



**LPI**

## **Exam Questions 201-450**

LPIC-2 Exam 201 Part 1 of 2 version 4.5

#### NEW QUESTION 1

In capacity planning exercises, which tools assist in listing and identifying processes of interest? (Choose TWO correct answers.)

- A. acpid
- B. lsof
- C. pstree
- D. telinit

**Answer:** BC

#### NEW QUESTION 2

In the following output, what is the 5 minute load average for the system?

# uptime

12:10:05 up 18 days, 19:00, 2 users, load average: 0.47, 24.71, 35.31

- A. 0.47
- B. 24.71
- C. 35.31
- D. There is no 5 minute interval
- E. It is some value between 0.47 and 24.71.
- F. There is no 5 minute interval
- G. It is some value between 24.71 and 35.31.

**Answer:** B

#### NEW QUESTION 3

Which of the following tools are used to measure memory usage? (Choose THREE correct answers.)

- A. mpstat
- B. pstree
- C. sar
- D. top
- E. vmstat

**Answer:** CDE

#### NEW QUESTION 4

What happens if the Linux kernel can't mount the root filesystem when booting?

- A. An error message is shown and the administrator is asked by the kernel to specify a valid root filesystem to continue the boot process.
- B. An error message is shown and the system reboots after a keypress.
- C. An error message is shown and the system boots in maintenance mode.
- D. An error message is shown showing which device couldn't be mounted or informing that init couldn't be found.
- E. An error message is shown stating that the corresponding kernel module couldn't be loaded.

**Answer:** D

#### NEW QUESTION 5

Which command is used to install a new LILO boot loader?

- A. lilo
- B. lilo-config
- C. lilo-install
- D. install-lilo

**Answer:** A

#### NEW QUESTION 6

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 7

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

#### NEW QUESTION 8

A system with SysV-init has a service installed called apache2. Which file controls the start and stop of this service and is referenced by the various runlevel directories?

- A. /etc/init.d/apache2
- B. /etc/rc2.d/70apache2
- C. /etc/rc2.d/apache2
- D. /etc/rc2.d/apache2.start

**Answer:** A

#### NEW QUESTION 9

What are the main network services used by the PXE protocol? (Choose TWO correct answers.)

- A. DNS
- B. DHCP
- C. HTTP
- D. TFTP
- E. NFS

**Answer:** BD

#### NEW QUESTION 10

During booting, when the Linux kernel loads an initramfs file, which command from the initramfs will be executed first, if present?

- A. /init
- B. /initrd
- C. /linuxrc
- D. /rc.local
- E. /sbin/init

**Answer:** A

#### NEW QUESTION 10

Which of the following are common Linux filesystem types used for root partitions? (Choose THREE correct answers.)

- A. ext4
- B. VFAT
- C. NTFS
- D. XFS
- E. Btrfs

**Answer:** ADE

#### NEW QUESTION 11

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 13

Consider the following /etc/fstab file:

```
/dev/hda1 swap swap defaults 0 0
/dev/hda2 / ext2 defaults 1 1
/dev/hda3 /home ext2 defaults 1 2
none /proc proc defaults 0 0
/dev/sdb1 /media/usb0 vfat user,noauto 0 0
```

What is one of the possible commands that an ordinary (non-root) user can use to mount the /dev/sdb1 partition on the /media/usb0 mount point? (Please enter the command with all parameters and/or options but without any file system type options.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

mount /dev/sdb1, mount /media/usb0, /bin/mount /dev/sdb1, /bin/mount /media/usb0, mount /media/usb0/,

/bin/mount /media/usb0/

#### NEW QUESTION 18

Which file in /proc contains information on the status of local software RAID devices?

- A. /proc/raidstat
- B. /proc/mdstat
- C. /proc/raidstatus
- D. /proc/mdstatus
- E. /proc/raid/status

**Answer:** B

#### NEW QUESTION 20

Where would fsck put any unreferenced file or file fragments on a ext4 filesystem?

- A. recover
- B. lost+found
- C. back
- D. lost

**Answer:** B

#### NEW QUESTION 22

What is the purpose of the command vgextend?

- A. Extend a volume group's footprint on disk.
- B. Add physical volumes to an existing volume group.
- C. Increase the number of days between scheduled error checking.
- D. Create a volume group which uses all available space on disk.

**Answer:** B

#### NEW QUESTION 24

Which single command will simulate a failed device within a RAID 5 array?

- A. mdadm --remove /dev/md0 /dev/sdd1
- B. mdadm --zero-superblock /dev/sdf3
- C. mdadm --force-fault /dev/md2 /dev/sde2
- D. mdadm --fail /dev/md0 /dev/sdc1
- E. mdadm /dev/md0 --offline /dev/sdc1

**Answer:** D

#### NEW QUESTION 29

Which two LVM commands are missing from the following sequence which is used to create a logical volume and make use of it on a Linux system?  
pvcreate, \_\_\_\_\_, \_\_\_\_\_, mkfs, mount

- A. lvcreate, mdadm
- B. lvcreate, vgcreate
- C. lvmcreate, vgcreate
- D. vgcreate, lvcreate
- E. vgcreate, mdadm

**Answer:** D

#### NEW QUESTION 34

The IDE hard drive /dev/hda does not have DMA enabled. Which command must be run to enable DMA on it?

- A. hdparm -d /dev/hda
- B. hdparm --dma /dev/hda
- C. hdparm --dma /dev/hda1
- D. hdparm -d /dev/hda1
- E. hdparm -d 1 /dev/hda

**Answer:** E

#### NEW QUESTION 37

What action should be performed after increasing the size of a logical volume?

- A. Run vgresize.
- B. Increase the size of the filesystem used for the logical volume.
- C. Run lvresize.
- D. Remount the logical volume.

**Answer:**

B

#### NEW QUESTION 42

Under which of the following circumstances would the command ping output the string (DUP!)?

- A. When the ICMP packets are sent to a broadcast address and multiple hosts respond.
- B. When the host being sent ICMP packets is on a different network.
- C. When the router responds to the ICMP packet in addition to the host receiving the ICMP packets.
- D. When the host sending the ICMP packet is the same host as the one receiving the ICMP packets.

**Answer:** A

#### NEW QUESTION 46

A correctly formatted entry has been added to /etc/hosts.deny to prevent certain clients from connecting to a service but this is having no effect. What could be the cause of this? (Choose TWO correct answers.)

- A. tcpd needs to be sent the HUP signal.
- B. The service needs to be restarted.
- C. The machine needs to be restarted.
- D. There is a conflicting entry in /etc/hosts.allow.
- E. The service does not support tcpwrapper.

**Answer:** DE

#### 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 52

The users of the local network complain that name resolution is not fast enough. Enter the command, without the path or any options, that shows the time taken to resolve a DNS query.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

dig, time dig, time host, time nslookup

#### NEW QUESTION 57

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

When a makefile is included in a source code package, what are commonly defined targets in the file?

- A. CFLAGS, CPPFLAGS, LIBS, LDFLAGS
- B. clean, install, uninstall
- C. PATHS, DESTDIR, LIBS, LDFLAGS
- D. prefix, exec\_prefix, bindir, mandir

**Answer:** B

#### NEW QUESTION 64

Which file contains the message that is displayed above the login prompt of the system console? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
/etc/issue

#### NEW QUESTION 69

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

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

**Answer:** A

#### NEW QUESTION 74

Which of the following is a userspace application used to modify EFI entries on a Linux system?

- A. efieditor
- B. configefi
- C. efimanager
- D. efibootmgr
- E. efibootedit

**Answer:** D

#### NEW QUESTION 76

Which of the following commands creates a Btrfs subvolume named volume in/mnt?

- A. btrfs subvolume add -n volume /mnt
- B. btrfs create subvolume /mnt volume
- C. btrfs-subvolume create /mnt/volume
- D. btrfs subvolume new volume /mnt
- E. btrfs subvolume create /mnt/volume

**Answer:** E

#### NEW QUESTION 79

After manually compiling and installing a new kernel, what has to be done regarding the initramfs?

- A. To initramfs is independent of the kernel and should not be modified unless the hardware configuration of the machine has changed
- B. Since the initramfs contains kernel modules, a new initramfs must be built for the new kernel
- C. During the compilation of the Linux kernel, a new initramfs is built automaticall
- D. The new initramfs only needs to be installed
- E. The system should be restarted since the initramfs reconfigures itself for the new kernel during the startup of the system

**Answer:** C

#### NEW QUESTION 83

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 85

On a Linux node with multiple active networks interfaces, each having a default route to the Internet, which default route is preferred?

- A. The default route with the highest metric value
- B. The default route with the highest MTU value
- C. The default route with the lowest TTL value
- D. The default route with the highest TTL value
- E. The default route with the lowest metric value

**Answer:** E

#### NEW QUESTION 86

Which of the filter keywords below could be used in the following command:  
tcpdump -i eth0 \_\_\_\_\_203.0.113.8 (Choose three.)

- A. host

- B. ip
- C. src
- D. dst
- E. ipv6

**Answer:** ACD

#### NEW QUESTION 87

Which of the following commands restores only those files containing lpi in their name from the archive lpifiles.tar.gz?

- A. tar xvfz lpifiles.tar.gz --wildcards '\*lpi\*'
- B. tar xvzwf lpifiles.tar.gz '\*lpi\*'
- C. tar -xvfz lpifiles.tar.gz --deep '\*lpi\*'
- D. tar -xvzf lpifiles.tar.gz --subdirs '\*lpi\*'
- E. tar xvfz lpifiles.tar.gz --globbing '\*lpi\*'

**Answer:** A

#### NEW QUESTION 88

In which directory tree are files modified when changing kernel parameters using the command sysctl?

- A. /sys/kernel/
- B. /proc/kernel/
- C. /proc/sys/
- D. /lib/sys/
- E. /sys/proc/

**Answer:** C

#### NEW QUESTION 91

Which directory contains system-specific systemd unit files? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/lib/systemd/system

#### NEW QUESTION 96

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