

117-101 LPI Linux Level 1 Exam 101

1

You ran out of space and added a eighth disk to your SCSI-I system. When you try to start, the system no longer boots. What is most likely the cause of this problem?

- A. SCSI-I supports only 8 devices including the adaptor.
- B. SCSI-I supports only 6 disks per adaptor.
- C. There is a SCSI-ID conflict that causes that problem.
- D. You forgot to set the SCSI-ID #8 for the new disk.

2

What is the typical name for the first serial port, (COM1)?

- A. `/dev/com0`
- B. `/dev/com1`
- C. `/dev/ttyS0`
- D. `/dev/ttyS1`
- E. none of the above

3

What information is displayed by the command `cat /proc/dma`?

- A. whether DMA is enabled
- B. which DMA channels are in use
- C. which DMA mode is in use
- D. general information about DMA on the machine

4

In the BIOS, what setting should you disable so that your devices have the best chance of being recognized on boot-up?

- A. AGP Fast Write
- B. PnP OS
- C. ACPI Support
- D. Power Management/APM

5

The _____ command allows you to view or change serial port configuration.

Answer:

6

If Linux detects an ACPI BIOS on bootup, what does it automatically deactivate?

- A. PnP
- B. PCI
- C. ATA
- D. APM

7

The `lspci` command can display information about devices **EXCEPT** the following:

- A. card bus speed (e.g. 66Mhz).
- B. card IRQ settings.
- C. card vendor identification.
- D. card AGP rate (e.g. 1x, 2x, 4x).
- E. card Ethernet MAC address.

8

You have a USB storage device that you cannot get working. You have enabled all appropriate USB options in the latest 2.2 kernel but still cannot get your device working. What is most likely the source of the problem?

- A. You have not configured your `usb.usermap` properly.
- B. You are using the wrong kernel for this type of device.
- C. The USB device is not USB 2.0 compliant.
- D. There is a USB resource conflict.

9

You suspect that a new ethernet card might be conflicting with another device. Which file should you check within the `/proc` tree to learn which IRQs are being used by which kernel drivers?

Answer:

10

You need to install a fax server. Which type of fax/modem should you install to insure Linux compatibility?

- A. External Serial Fax/modem
- B. External USB Fax/modem
- C. Internal ISA Fax/modem
- D. Internal PCI Fax/modem

11

You are having problems with a particular font and you want to see if its directory is included in `XF86Config`. Which section contains this information?

- A. Paths
- B. Fonts
- C. Files
- D. Graphics

12

Where can `lilo` place boot information?

- A. The boot ROM
- B. The boot RAM
- C. The `/boot` partition
- D. The MBR on a hard drive

13

Which of the following commands will print the current video settings to stdout in `XF86Config` "Modeline" format?

- A. `xinfo -mode`
- B. `xset -info`
- C. `xf86config -list`
- D. `xvidtune -show`

14

Your senior administrator asked you to change the default background of his machine, which uses XDM. Which file would you edit to achieve this?

- A. `/etc/X11/xdm/Xsetup`
- B. `/etc/X11/xdm.conf`
- C. `/etc/X11/xdm/Defaults`
- D. `/etc/X11/defaults.conf`

15

Which of the following is the default `XFree86` configuration file?

- A. `/usr/X11R6/etc/XF86Config`
- B. `/var/X11/XF86Config`
- C. `/etc/X11/XF86Config`
- D. `/usr/etc/X11/XF86Config`

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You just started X for the first time and noticed that the display does not use the entire screen. What program can you use to fix this?

- A. `xvidtune`
- B. `xf86config`
- C. `XF86Setup`
- D. `tweakscreen`

17

You are using an application that you want to appear on the screen of another machine. What environment variable would you have to set or edit to achieve this?

- A. `DISPLAY`
- B. `REMOTE`
- C. `REMOTE_XWINDOW`
- D. `SCREEN`

18

George is planning a partition scheme for a new Linux installation. Which **THREE** directories should he consider for separate partitions? (Select three)

- A. `/etc`
- B. `/home`
- C. `/var`
- D. `/lib`
- E. `/tmp`

19

You are the system administrator for a consulting firm where several people use Linux as their desktop operating system. One of your users has installed a commercial publishing program that works under X on a variety of UNIX and Linux platforms. The user made a series of configuration changes regarding the initial window size, location and color. Now, he is having difficulty undoing these changes and is asking for your help. In which file would you think you would most likely find the configuration settings you are seeking to change?

- A. `~/.xinitrc`
- B. `~/.xconfig`
- C. `~/.Xdefaults`
- D. `~/.XF86Config`
- E. `/etc/X11/XF86Config`

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To prevent users from being able to fill up the / partition, the _____ directory should be on a separate partition if possible because it is world writeable.

Answer:

21

You are formatting a single hard disk for a Linux install. What is the maximum number of primary partitions you can create?

Answer:

22

You are building a server that will be the file server for all users on your 100 user network. The server may have many hardware and operating system upgrades. Which directory should have its own mount point and/or hard drive?

Answer:

23

The _____ partition is used for virtual memory.

Answer:

24

What is a reasonable command to uninstall a Debian package from your system?

- A. `dpkg -Ra pkgname`
- B. `dpkg -R pkgname`
- C. `dpkg -r pkgname`
- D. `dpkg -ra pkgname`

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Which of the following lines from `/etc/X11/XF86Config` indicates what fonts can be found on a font server?

- A. `FontPath= server`
- B. `Fonts "unix/:7100"`
- C. `FontPath "unix/:7100"`
- D. `Fonts= server`
- E. `Fontserver = "servername"`