Actual exam question from LPI's 201-450

Question #: 1

Topic #: 1

[All 201-450 Questions]

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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 2

Topic #: 1

[All 201-450 Questions]

Which of the following files will be looked for and used by GNU make, if one of them exists, unless a different file is specified on the command line when trying to compile software from source code? (Choose two.)

A. configure

B. config.h.in

C. makefile

D. Makefile

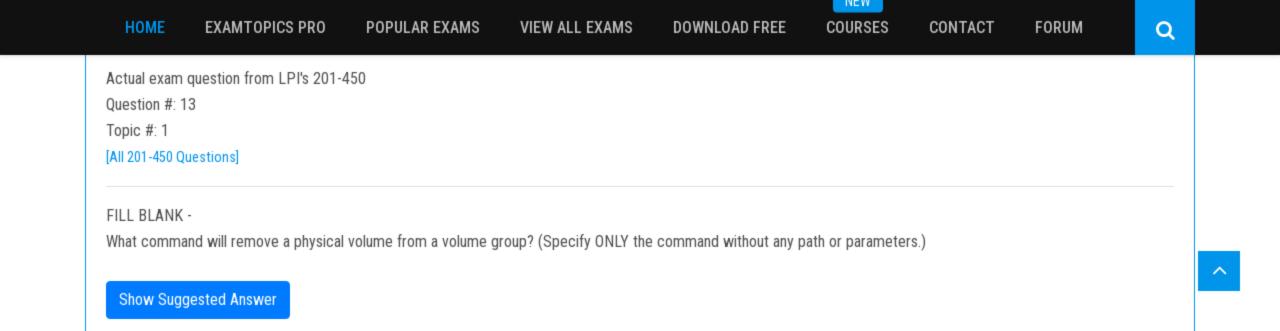E. Makefile.in

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 3

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

What command is used to send messages to all users currently logged in? (Specify ONLY the command without any path or parameters.)

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 4

Topic #: 1

[All 201-450 Questions]

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

A. tar xvzf 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 xvzf lpifiles.tar.gz --globbing "~*lpi*'

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 5

Topic #: 1

[All 201-450 Questions]

A regular user has just run -

./configure && make && make install

to build and install a program. However, the installation fails. What could be done to install the program? (Choose two.)

A. Install the binaries manually with suinstall

B. Run make install with root privileges

C. Do not run ./configure in order to maintain the default configuration for correct installation

D. Rerun ./configure with a --prefix option where the user has permissions to write

E. Run make install_local to install into /usr/local/
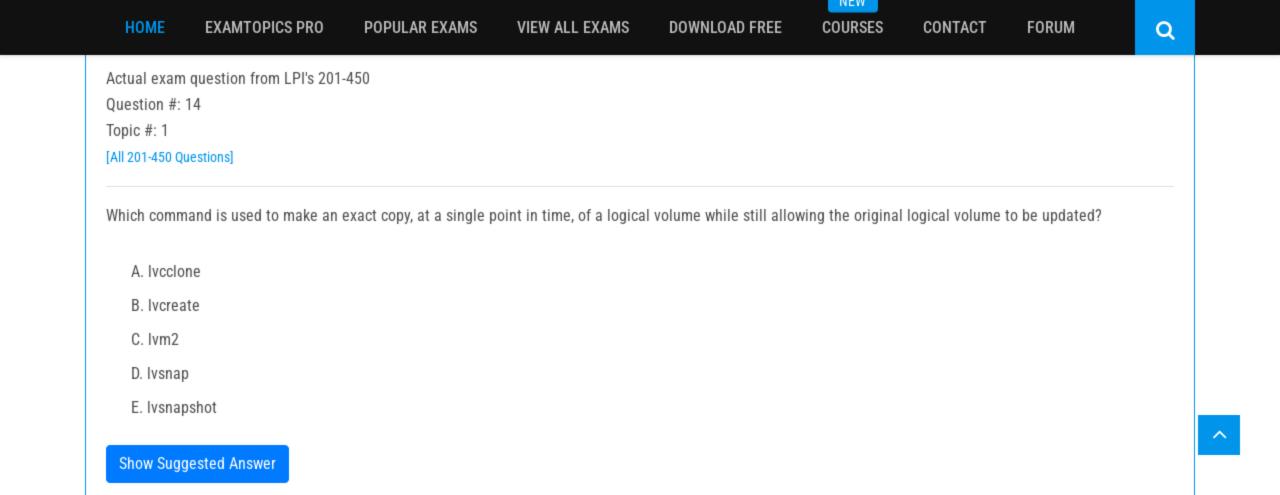
Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 6

Topic #: 1

[All 201-450 Questions]

The following command has just been run successfully:

Cd /opt; tar xvf /dev/nst0;

What will happen if the command sequence is run again?

    A. An error saying that there is no tape present is generated because the tape has been ejected after being used

    B. The contents of /opt will be restored again

    C. The entire contents of /opt will be replaced with the contents of the next file on the tape

    D. The contents of /opt will have additional content added from the next file on the tape

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 7

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

What command discards unused blocks on a mounted file system in order to support SSD devices? (Specify ONLY the command without any path or parameters.)

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 8

Topic #: 1

[All 201-450 Questions]

Which single command simulates 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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 9

Topic #: 1

[All 201-450 Questions]

What is the minimum number of disks required in a fully redundant RAID5 array?

A. 1

B. 2

C. 3

D. 4

E. 5

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 10

Topic #: 1

[All 201-450 Questions]

A system has one hard disk and one CD writer which are both connected to SATA controllers. Which device represents the CD writer?

    A. /dev/hdb

    B. /dev/sdd

    C. /dev/scd1

    D. /dev/sr0

    E. /dev/sr1

Show Suggested Answer

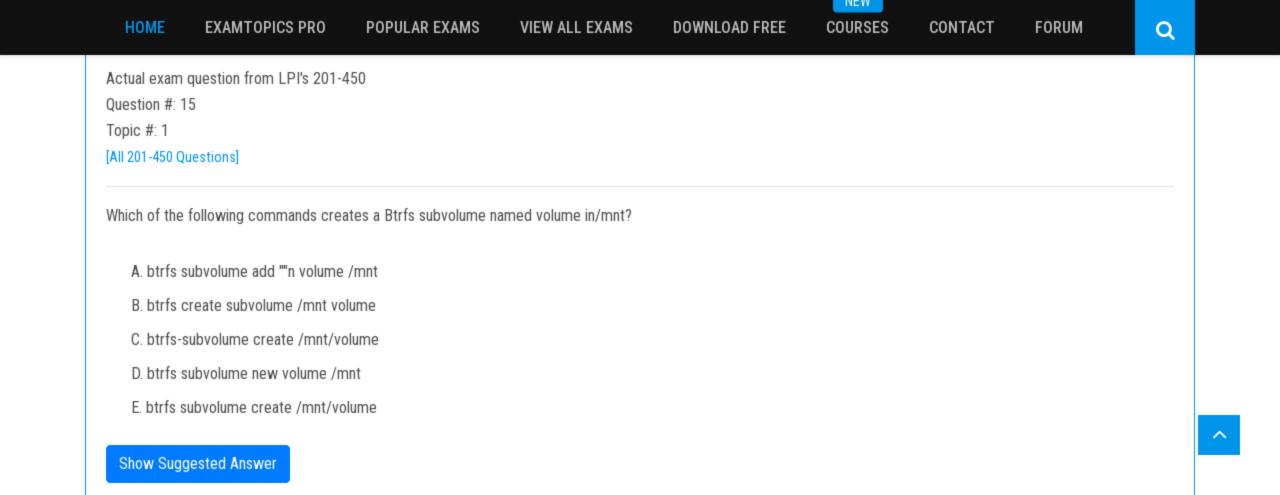Actual exam question from LPI's 201-450

Question #: 11

Topic #: 1

[All 201-450 Questions]

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 1vresize

D. Remount the logical volume

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 12

Topic #: 1

[All 201-450 Questions]

What information is found in the following excerpt from the file /proc/mdstat? (Choose two.)

```
 Personalities : [raid6] [raid5] [raid4]

md0 : active raid5 sdb1[3] (S) sdc1[7] sda1[4] (S) sdd1[6] sde1[5]

     1046528 blocks super 1.2 level 5, 512k chunk, algorithm 2 [3/2] [UU_]

     [===>.................] recovery = 15.9% (83808/523264) finish=0.1min
speed=71880K/sec

unused devices: <none>
```

A. One of the disks in /dev/md0 has failed and a spare disk is used to recreate full redundancy

B. The spare disk /dev/sda1 is used to restore full redundancy after the current recovery

C. The information [UU_] means, that the raid is missing one disk and is not fully redundant

D. The device is using version 1.2 metadata to allow LILO and GRUB Legacy to use /dev/md0 as the boot partition. This would not have been necessary with GRUB2

E. The information [3/2] means that 3 RAID disks belong to the array and 2 disks are spare. Together they equal the number of available disks

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 13

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

What command will remove a physical volume from a volume group? (Specify ONLY the command without any path or parameters.)

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 14

Topic #: 1

[All 201-450 Questions]

Which command is used to make an exact copy, at a single point in time, of a logical volume while still allowing the original logical volume to be updated?

A. lvcclone

B. lvcreate

C. lvm2

D. lvsnap

E. lvsnapshot

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 15

Topic #: 1

[All 201-450 Questions]

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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 16

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

What keyword is missing in the following line from /etc/fstab in order to grant the user fred write access to the files in the vfat file system on /dev/sdb1:

/dev/sdb1 /mnt/usbflash vfat defaults, _____=fred, umask=022, 0 0

(Specify ONLY the option name without any path or parameters.)

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 17

Topic #: 1

[All 201-450 Questions]

Due to extreme system use, a Linux system requires some additional swap space. To initialize 5 GB of additional swap space, which combination of commands should be used?

A. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; mkswap /tmp/swapfile; mount /tmp/swapfile

B. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; swapon /tmp/swapfile

C. dd if=/dev/zero of=/tmp/swapfile bs=1024 count=5120000; mkswap /tmp/swapfile; swapon /tmp/swapfile

D. touch -5G /tmp/swapfile; swapon /tmp/swapfile

E. mkswap /tmp/swapfile 512000; swapon /tmp/swapfile

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 18

Topic #: 1

[All 201-450 Questions]

What is the purpose of a system mount unit?

    A. It is used by the command systemd-mount and allows users to mount partitions to mount points of their choice

    B. It is used only to mount network file systems to local mount points. It cannot be used for local media

    C. It is created by the command systemd-fstab-generator to integrate entries from /etc/fstab into the system boot process

    D. It is used by the command mount when using system to mount and unmount file systems

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 19

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

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.)

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 20

Topic #: 1

[All 201-450 Questions]

What component of a system does smartd monitor?

A. CPU

B. RAM

C. Hard drives

D. Ethernet traffic

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 21

Topic #: 1

[All 201-450 Questions]

How can the label root be added to the ext4 filesystem on /dev/sda1?

A. relabel /dev/sda1 root

B. tune2fs ""L root /dev/sda1

C. echo "˜root' > /proc/fs/sda1/label

D. labelfs --device /dev/sda1 root

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 22

Topic #: 1

[All 201-450 Questions]

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

A. luksDump

B. luksInfo

C. luksDebug

D. luksLS

E. luksShow

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 23

Topic #: 1

[All 201-450 Questions]

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

A. OSI 9660

B. ISO 9660

C. SR0FS

D. ISO 8859

E. ROM-EO

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 24

Topic #: 1

[All 201-450 Questions]

Which of the following init systems comes along with an own UEFI boot loader?

    A. systemd

    B. SysVinit

    C. Upstart

    D. OpenRC

    E. launchd

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 25

Topic #: 1

[All 201-450 Questions]

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/

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 26

Topic #: 1

[All 201-450 Questions]

Which command is used to install a GRUB boot loader into the master boot record?

A. grub-install

B. grub-mkconfig

C. grub-install-mbr

D. grub-glue-mbr

E. grub-mbr-setup

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 27

Topic #: 1

[All 201-450 Questions]

If the file containing the Linux kernel is deleted, what happens when the system boots?

A. The system starts normally since the bootloader copies the kernel to the master boot record of the hard disk

B. Instead of the kernel, the initramfs is loaded and instructed to mount the root filesystem and reinstall the kernel from the original package or from source

C. The bootloader mounts the root filesystem read-only and launches /bin/sh directly in order to allow the administrator to reinstall the kernel

D. Without a kernel system cannot boot and, depending on the bootloader, an error is displayed

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 28

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 29

Topic #: 1

[All 201-450 Questions]

A Linux server running systemd booted to rescue.target for maintenance. Which commands are used to restore the server to its usual target? (Choose two.)

A. telinit 0

B. systemctl default

C. sync

D. systemctl emergency

E. systemctl reboot

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 30

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 31

Topic #: 1

[All 201-450 Questions]

What is the purpose of an initramfs during the Linux system start?

A. It loads required modules and starts sub sytems like LVM to make the root file system accessible to the kernel

B. It moves the kernel from normal system memory to initram memory to speed up kernel access

C. It copies the root file system's content to RAM to speed up the system and reduce writes to disk

D. It creates a ram disk to store volatile data for directories like /tmp to reduce writes to disk

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 32

Topic #: 1

[All 201-450 Questions]

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

A. efieditor

B. configefi

C. efimanager

D. efiboottmgr

E. efibootedit

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 33

Topic #: 1

[All 201-450 Questions]

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/

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 34

Topic #: 1

[All 201-450 Questions]

What is the purpose of the command udevadm monitor?

A. It listens to kernel events produced by a udev rule and prints information to the console

B. It monitors the /dev/ directory for new devices

C. It monitors the udev process and prints performance statistics to the console

D. It communicates with D-Bus to setup new devices

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 35

Topic #: 1

[All 201-450 Questions]

How is the source code for the main Linux kernel modules distributed?

    A. It is included with the Linux kernel source code

    B. The kernel modules are downloaded on demand as they are used during compilation

    C. The kernel modules have their own release cycle and can be maintained separately from the Linux kernel source

    D. It is provided as a separate download alongside the Linux kernel source code for the same version

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 36

Topic #: 1

[All 201-450 Questions]

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

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 37

Topic #: 1

[All 201-450 Questions]

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 automatically. The new initramfs only needs to be installed

D. The system should be restarted since the initramfs reconfigures itself for the new kernel during the startup of the system

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 38

Topic #: 1

[All 201-450 Questions]

Which of the following commands displays the physical path of the kernel module named dummy?

A. modprobe ""i dummy

B. modinfo ""n dummy

C. modpath ""v dummy

D. depmod ""n dummy

E. modshow ""p dummy

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 39

Topic #: 1

[All 201-450 Questions]

Which of the following parameters instructs the kernel at boot time to use only one of the available processors?

A. maxcpus=1

B. usecpus=1

C. smpcpus=1

D. vcpumx=1

E. vmxcpus=1

Show Suggested Answer

Actual exam question from LPI's 201-450

Question #: 40

Topic #: 1

[All 201-450 Questions]

FILL BLANK -

After installation of a self-compiled kernel, modules that need to be loaded cannot be found. What make target was likely missed while installing the kernel?

(Specify ONLY the make target without any command or parameters.)

Show Suggested Answer