

LPI

Exam Questions 201-450

LPIC-2 Exam 201 Part 1 of 2 version 4.5



NEW QUESTION 1

What mechanism does collectd use to gather monitoring information on systems?

- A. It uses a library of plugins.
- B. A master server connects to a collectd service on each machine to retrieve the information.
- C. It collects its own information on each server and sends that to a master server.
- D. It makes SNMP queries to the clients being monitored.

Answer: A

NEW QUESTION 2

In the following output, what percentage of time was the CPU waiting for pending I/O?

```
# 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. 100
- B. 35.9
- C. 57.7
- D. 36.6

Answer: A

NEW QUESTION 3

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: BD

NEW QUESTION 4

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 5

A database application requires a maximum shared memory segment (shmmax) of 2GB (2147483648 Bytes). Which configuration file should be modified to set this kernel parameter permanently? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

/etc/sysctl.conf

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

A new kernel version needs to be compiled to use a new feature. If the old kernel configuration file is available, which make target creates a configuration file for the new kernel based on the configuration of the old kernel?

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

oldconfig, make oldconfig

NEW QUESTION 8

What is a key difference between a zImage and bzImage kernel image?

- A. zImage is compressed using gzip, bzImage is compressed using bzip2.
- B. zImage is for 2.6 series kernels, bzImage is for 3.x series kernels.
- C. zImage is limited to 64k, bzImage has no such restriction.
- D. zImage gets loaded completely into low memory
- E. bzImage will load into high memory once low memory is full.

Answer: D

NEW QUESTION 9

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 10

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 10

If all of the following files and/or symlinks exist in a SysV-init runlevel directory, which of the following will be executed first when booting the system directly into the runlevel?

- A. S99lpi
- B. K99lpi
- C. PRE-S99lpi
- D. S98lpi
- E. S99a-lpi

Answer: D

NEW QUESTION 15

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 19

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 23

Due to extreme system use, a Linux system requires some additional swap space. To initialize 5GB 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

Answer: C

NEW QUESTION 27

After a lot of write operations, the administrator want to ensure that the kernel flushes the file system buffers to disk. Which command will accomplish this? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

sync

NEW QUESTION 30

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 32

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 37

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

vgreduce, /sbin/vgreduce

NEW QUESTION 41

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 42

Which of the following commands is used to set up a RAID volume?

- A. makerd
- B. mdadm
- C. mkfs.raid
- D. makeraid
- E. rdconfig

Answer: B

NEW QUESTION 44

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 46

What are the options to node.startup in the iscsid.conf file? (Choose TWO correct answers.)

- A. login
- B. initiate
- C. manual
- D. discover
- E. automatic

Answer: CE

NEW QUESTION 51

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 54

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 59

Which of the following filter keywords for tcpdump specify the transfer direction for network packets? (Choose TWO correct answers.)

- A. source
- B. src
- C. dest
- D. src or dst
- E. both

Answer: BD

NEW QUESTION 62

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 65

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 68

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: AE

NEW QUESTION 71

A regular user, joe, 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 correct answers.)

- 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/.

Answer: BD

NEW QUESTION 73

Which one of these directories should not be backed up?

- A. /backup
- B. /etc
- C. /opt
- D. /proc
- E. /var/log

Answer: D

NEW QUESTION 77

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 82

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 83

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

Answer: A

NEW QUESTION 85

In the output of sar -b, what does tps stand for?

- A. Terrabyte per second
- B. Traffic per second
- C. Transfers per second
- D. Total data per second
- E. Terrabit per second

Answer: C

NEW QUESTION 86

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 91

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