LPIC-1 101-500 Practice Questions

Shared by Suarez on 21-10-2026

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Question 1

Question Type: MultipleChoice

Regarding the command:

nice -5 /usr/bin/prog

Which of the following statements is correct?

Options:

A- /usr/bin/prog is executed with a nice level of -5.
B- /usr/bin/prog is executed with a nice level of 5.
C- /usr/bin/prog is executed with a priority of -5.
D- /usr/bin/prog is executed with a priority of 5.

Answer:

B

Explanation:

The nice command is used to start a process with a modified scheduling priority. The scheduling priority is a value that determines how much CPU time a process will receive from the kernel. The lower the priority, the more CPU time a process will get. The priority is also known as the nice value, because a process with a high nice value is being nice to other processes by giving up CPU time. The nice value ranges from -20 to 19, with -20 being the highest priority and 19 being the lowest. By default, processes are started with a nice value of 0, which means normal priority.

The nice command takes an optional argument -n followed by a number, which specifies the increment or decrement of the nice value from the default value of 0. For example, the command:

nice -n 5 /usr/bin/prog

will start the /usr/bin/prog process with a nice value of 5, which means a lower priority than the default. Similarly, the command:

nice -n -5 /usr/bin/prog

will start the /usr/bin/prog process with a nice value of -5, which means a higher priority than the default. If the -n argument is omitted, the nice command will assume a default increment of 10. For example, the command:

nice /usr/bin/prog

will start the /usr/bin/prog process with a nice value of 10, which means a very low priority. Note that only the root user can start a process with a negative nice value, as this requires special privileges.

Therefore, the command:

nice -5 /usr/bin/prog

is equivalent to:

nice -n -5 /usr/bin/prog

and will start the /usr/bin/prog process with a nice value of -5, which means a higher priority than the default. This means that the correct answer is B. /usr/bin/prog is executed with a nice level of 5.

[LPI Exam 101 Detailed Objectives], Topic 103: GNU and Unix Commands, Objective 103.6: Modify process execution priorities, Weight: 2, Key Knowledge Areas: Know the default priority of a job that is created.

How to Set Process Priorities With nice and renice on Linux, Topic: The nice Command.

Question 2

Question Type: FillInTheBlank

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:

interrupts, /proc/interrupts

Question 3

Question Type: MultipleChoice

Which option best is correct when talking about mount points?

Options:

A- Every existing directory can be used as a mount point.
B- Only empty directories can be used as a mount point.
C- Directories need to have the SetUID flag set to be used as a mount point.
D- Files within a directory are deleted when the directory is used as a mount point.

Answer:

A

Question 4

Question Type: FillInTheBlank

What command changes the nice level of a running process? (Specify ONLY the command without any path or parameters)

Answer:

renice

Question 5

Question Type: MultipleChoice

Which option to the tee command will cause the output to be concatenated on the end of the output file instead of overwriting the existing file contents?

Options:

A- --a
B- --c
C- --no-clobber
D- --continue

Answer:

A

Question 6

Question Type: FillInTheBlank

Which command reads and displays the current contents of the Kernel Ring Buffer on the command line? (Specify ONLY the command without any path or parameters.)

Answer:

dmesg

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Question 7

Question Type: MultipleChoice

Which option best commands can be used to determine how long the system has been running? (Choose TWO correct answers.)

Options:

A- uptime
B- up
C- top
D- uname -u
E- time --up

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Answer:

A, C

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