

Filesystem Layout, Partitions, Paths, and Links

Graded Quiz • 10 min

Text Editors

Shells, Bash, and the Command Line

Filesystem Layout, Partitions, Paths, and Links

Video: Introduction to Filesystems

1 min

Reading: Filesystem Layout

10 min

Video: Partitions

15 min

Video: Using fdisk (Demo)

5 min

Video: Partitioning Considerations

2 min

Reading: Paths

10 min

Reading: Hard and Soft (Symbolic) Links

12 min

Reading: Adding to the Path (Lab)

15 min

Quiz: Filesystem Layout, Partitions, Paths, and Links

5 questions

QUIZ • 10 MIN

20 PASS 80% or higher

Keep Learning

Retake the assignment in 7h 56m

GRADE 100%

CONGRATULATIONS! You passed!

Filesystem Layout, Partitions, Paths, and Links

Review Learning Objectives

Submit your assignment

DUE DATE Nov 16, 8:59 AM CET

ATTEMPTS 3 every 8 hours

Receive grade

TO PASS 80% or higher

Operating Systems 125

Computer Programming 157

Theoretical Computer Science 98

100%

View Feedback

We keep your highest score

Filesystem Layout, Partitions, Paths, and Links

LATEST SUBMISSION GRADE 100%

1. Which of the following pseudo-directories are empty when the system is not running (Select all answers that apply)?

1 / 1 point

☒ /proc

Correct

/proc contains only pseudofiles created in memory after system start.

☐ /boot

☒ /sys

Correct

/sys contains only pseudofiles created in memory after system start.

☒ /dev

Correct

/dev contains only pseudofiles created in memory after system start.

☐ /etc

2. Which of the following statements describes the best practice?

1 / 1 point

☐ The current directory should be prepended to the path

☐ The current directory should be appended to the path

☒ The current directory should not be placed in the path

Correct

3. If file does not exist, which command will produce an error?

1 / 1 point

☐ In -s file file2

☒ In file file2

Correct

You cannot have a "dangling" hardlink

4. Which command will list the partition information on the first hard disk and then exit?

1 / 1 point

☐ fdisk /dev/sda

☒ fdisk -l /dev/sda

☐ fdisk -l hd1

Correct

This will give a report and return to the command line.

5. Which directory trees usually have frequently changing data, and would not be desirable on a partition that is more static? Select all answers that apply.

1 / 1 point

☐ /bin

☐ /usr

☒ /home

Correct

/home stores user accounts and data which will change every time the user is on the system.

☒ /var

Correct

/var is designed for variable, volatile data.

☒ /tmp

Correct

/tmp is designed for temporary data.