

Filesystem Types

Graded Assessments

Graded App Item: Partitioning and Formatting a Disk Drive in Windows 1h

Graded App Item: Partitioning and Formatting a Disk Drive in Linux 1h

Quiz: Filesystems 10 questions

Congratulations! You passed!

Grade received 82.50%
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Quiz • 30 min

To pass 80% or higher

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1. What components of the disk is partitioned?

1 / 1 point

Try again

- ☐ The filesystems grid
- ☐ The swap table
- ☐ The master boot record
- ☒ The partition table or higher

Correct

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2. How many GPT partitions can you have on a disk?

1 / 1 point

- ☐ Four
- ☐ Sixteen
- ☒ As many as you want
- ☐ Five
- Correct

3. When partitioning a disk and formatting a filesystem, what happens if you choose the "full format" option? Select all that apply.

0.5 / 1 point

☒ Windows will scan the target drive for errors and bad sections.

Correct

☒ The formatting process will complete in less time.

This should not be selected

Please review the video on how to partition and format a filesystem in Windows.

☐ The allocation unit size will be larger.

☐ The formatting process will take longer.

4. In Linux, what information will be displayed about a computer's disks when the sudo parted -l command is executed in the CLI? Select all that apply.

1 / 1 point

- ☐ The security permissions for each partition
- ☒ The sizes of the disk partitions
- Correct
- ☒ The number of partitions on each of the computer's disks
- Correct
- ☒ The partition table types for each disk
- Correct

5. When managing memory, where does the operating system keep the most commonly accessed data pages?

1 / 1 point

- ☐ In the cloud
- ☒ In RAM
- ☐ In a special hidden file on the root partition of a volume called page file dot sys
- ☐ On the hard drive
- Correct

6. What is a swap file or swap space?

1 / 1 point

- ☐ An online forum for swapping files
- ☐ An Exchange file
- ☐ A file that acts as a drive partition
- ☒ A dedicated area of the hard drive used for virtual memory
- Correct

7. What is the identifier that indexes a file's entry in the MFT?

1 / 1 point

- ☒ The file record number
- ☐ The creation timestamp
- ☐ The filename
- ☐ The volume
- Correct

8. How does a Linux hardlink link to another file?

0 / 1 point

- ☐ By referencing the other file's name
- ☐ By referencing the other file's physical location on the hard drive
- ☒ By referencing the other file's inode
- Correct

Correct

Please review the video on how Linux stores and represents files.

☐ By referencing a copy of the other file

You didn't select all the correct answers

9. Which features of Windows NTFS filesystem help minimize file corruption?

0.75 / 1 point

☐ The chkdsk /f command

☒ The fsutil self-healing utility

Correct

☒ The NTFS log journaling process

Correct

☐ The fsck command

You didn't select all the correct answers

10. What must you do before trying to manually repair a file system with the fsck command?

1 / 1 point

- ☐ Run the chkdsk command.
- ☐ Make sure the file system is properly mounted.
- ☐ Reboot your computer.
- ☒ Make sure the file system is properly unmounted.

Correct