

Filesystem Types

Graded Assessments

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

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

Quiz: Filesystems 10 questions

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1. Disk partitioning can be used for the following purposes? Select all that apply.

☒ To create volumes

☒ Correct

☒ To use different file systems on the same hard drive

☒ Correct

☐ To be able to select from two different operating systems at boot up

☒ To expand the storage space on a hard drive

☒ This should not be selected
Please review the video on disk partitioning.

2. What is the maximum volume size for an MBR partition?

☒ Two terabytes.
☐ One terabyte.
☐ Two gigabytes.
☐ 1024 megabytes.

☒ Correct

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

☐ The allocation unit size will be larger.

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

☒ Correct

☒ The formatting process will take longer.

☒ Correct

☐ The formatting process will complete in less time.

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.

☒ The sizes of the disk partitions

☒ Correct

☐ The security permissions for each partition

☒ The number of partitions on each of the computer's disks

☒ Correct

☒ The partition table types for each disk

☒ Correct

5. Fill in the blank: Virtual memory dedicates an area of the hard drive to use a storage base for blocks of data called _____.

☐ RAM
☒ pages
☐ base storage
☐ databases

☒ Correct

6. In Linux, when running parted in interactive mode, what happens when you enter the command mkpart primary linux-swap 5GiB 100%? Select all that apply.

☒ You enable swap on the selected device.

☒ This should not be selected
Please review the video how to partition and format a filesystem in Linux.

☒ You format a disk partition for swap space.

☒ Correct

☒ You create a new disk partition.

☒ Correct

☐ You mount a swap partition.

7. What file attributes are stored in the Master File Table (MFT)? Select all that apply.

☒ File data locations

☒ Correct

☐ Language used in the file data

☒ Whether or not a file is read-only

☒ Correct

☒ File creation time stamps

☒ Correct

8. What is the Linux equivalent to symbolic links Windows?

☒ softlinks
☐ filenames
☐ hardlinks
☐ inodes

☒ Correct

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

☒ The fsutil self-healing utility

☒ Correct

☒ The chkdsk /f command

☒ Correct

☒ The NTFS log journaling process

☒ Correct

☐ The fsck command

10. Some versions of Linux will automatically run fsck on your computer to check for issues and attempt to auto-repair the file system. In these cases, when will your system automatically run fsck?

☐ At whatever time you schedule your system to run fsck.
☐ Only when the operating system sets a bit in a metadata file that indicates there's corruption.
☐ Only when you update your Linux kernel.

☒ Any time you boot your computer.

☒ Correct

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