

Madison Milliken

Professor Rennee Dodge

Computer Technologies

8 October 2023

- Compare/Contrast Linux to another operating system of your choice.

If we compare Linux to Microsoft, I think Linux is better. The open-source solutions are known for their stability, security and speed. Getting started is not particularly easy with any of the Linux tools. To get the system set up perfectly, it acquires knowledge and gets you to grips with its details. Without this, you will have a hard time using Linux.

- Explain what a file system is.

A file system is the process that manages how and where data on a storage disk, mostly on hard disk, is stored, and managed. File systems usually consist of files separated into groups called directories, which can contain mostly files.

- Explain how file systems work.

A file system is what files are named, stored, and retrieved from in a storage device. When you open a file on your computer or device, your operating system uses file systems internally to load it from the storage device.

- Discuss which file systems are preferred in Linux and why.

I prefer the ext4 filesystem. The ext4 file systems adds data safety features. It makes it possible for larger volumes and files, this file system makes it easy to upload things like media and some databases.

Works Cited

Garrison, Justin. "Which Linux File System Should You Use?" *How-to Geek*, 10 July 2017,
www.howtogeek.com/33552/htg-explains-which-linux-file-system-should-you-choose/.

"What Is a File System?" [Www.computerhope.com](http://www.computerhope.com),
www.computerhope.com/jargon/f/filesyst.htm

"What Is a File System?" [Www.computerhope.com](http://www.computerhope.com),
www.computerhope.com/jargon/f/filesyst.htm.