

## Comparing Windows and Linux

First of all, comparing **price**: Linux is entirely free and has open source code. Open source means that anyone can construct, modify or update it so it is accessible for everybody. As a result Linux improves very fast. Most software programs and games available on Linux are free to download. Complex applications such as Open Office and Star Office are also available for free.

On the other hand, you must pay for Microsoft Windows. Although there are many free Windows programs, utilities, and games, the majority of the programs are not free of charge.

As for **the number of users** there are more software programs, games and utilities for Microsoft Windows and there are more number of Microsoft users. Microsoft Windows has made much advancement and changes which made it easy to use the operating system. Even though it is not the easiest, it is easier than Linux.

Linux has a limited selection of available softwares and to become familiar with Linux you need to have a lot of patience and desire to read and explore about it.

The third aspect is **security**. Linux is a highly secure operating system and it is less vulnerable to viruses, There are very few active viruses for Linux (about 60-100 so far)

As Microsoft Windows is the operating system with the largest user base, especially among beginner computer users, it is the primary target for viruses and malware. So users are required to install an antivirus and firewall softwares to make the system less vulnerable. However, these softwares make the computer much slower.

After the case of security I would like to compare **the performance of the two operating systems**. Microsoft Windows will become slower and slower with time and it tends to freeze as there are more registry trash and transitional files. It needs to be rebooted periodically.

On the other hand, Linux doesn't become slower with time and there are less running programs in the background every time we use Linux. Linux provides high performance at workplaces and on networks. and also can handle many users at a time.

Comparing **support**: Microsoft Windows offers integrated and online help systems, and there are thousands of informative books about Windows available for every skill level. We can also find a lot of information about Microsoft Windows OS on the Internet.

In the case of Linux there is a big amount of online support available and all kinds of security updating are free. Thousands of people develop Linux at the same time as it is a system with free open source code.

As for **user friendliness**: Linux operating systems frequently require a deeper understanding of the underlying system to perform day-to-day functions for average users. Solving technical issues can be a more complicated process than on Windows.

Windows is one of the easiest desktop operating systems to use. One of its primary characteristics is user friendliness and simplicity of basic system tasks. Its lack of difficulty is considered positive by users who want their system to just work.

Comparing **file control**: Linux's file system has quite a few differences from the Windows file system. You won't find any drive letters or backslashes, but you will find an alien-looking layout where files can have the same name, differing only in capitalization. You won't find any Windows, Program Files, or Users folders if you start browsing around the file system on your Linux computer. The Linux directory structure doesn't just use different names for folders, it uses an entirely different layout, its files would be split between multiple locations. On Linux, the file system is case sensitive. This means that you could have files named **file**, **File**, and **FILE** in the same folder. Each file would have different contents – Linux treats capitalized letters and lower-case letters as different characters.

To sum up, both Operating Systems have advantages and disadvantages. I would suggest Microsoft Windows for entry-level users because it is easier to learn how to use it and almost every program can run on it. Linux is recommended for more advanced users such as developers.