

Linux vs Windows

Parameter	Linux	Windows
Access	Users can access the source code of kernel in Linux and can alter the kernel according to need.	Usually, users cannot access the source code. However, members of some groups can have access to it.
Variety	Linux has several distributions that are highly customizable.	Windows have fewer options to customize.
Command-line	The command line usually referred to as Terminal , which is the most useful tool of the Linux system. It used for administration and daily tasks. For the end-users, it does not look so effective.	Windows also have a command line, but it is not such effective as a comparison to the Linux terminal. Most users prefer the GUI options for daily tasks.
Installation	The Linux installation process is a bit complicated to set up as it requires many user inputs. It takes less time than Windows to install.	Windows OS is easy to install and set up on a machine; it requires fewer user input options during installation. However, it takes more time to install as compared to Linux.
Ease of use	The Linux OS is meant to be for the technical user because you must have some exposure to various Linux commands. Users may take more time to be a handy user of Linux. The troubleshooting process is also complicated as compared to Windows.	Windows comes with simple and rich GUI options, so it is easy to use it. It can be simply used by technical as well as non-technical users. The troubleshooting process is also much easy than Linux.

Written in	Linux is written in assembly language and C .	Windows is written in C++ and assembly language .
Reliability	Linux is highly reliable and secure. It has well-established system security, process management, and uptime.	Windows is not as much reliable as Linux. However, now Windows has improved reliability but still has some security weaknesses and system instabilities.
Support	Linux has a good support as it has a huge community of user forums and online search.	Windows also provide good support to its user. It provides free as well as paid support. It has an easily accessible online forum.
Update	Linux provides full control to its users on updates. A user can install the update whenever needed. Also, it takes less time to install an update.	Windows updates are annoying. The updates will come at any time and take too much time to install. Sometimes, you power on your machine, and updates are automatically getting started. Unfortunately, the user does not have much control over updates.
Security	Linux OS is more secure than Windows. It is hard for the hackers and attackers to find a loophole in it. So, Linux is hard to breakthrough.	Windows is less secure than Linux. Attackers primarily target the Windows for malware and virus. Windows is most vulnerable without anti-virus.
License	Linux is distributed under the GPL (GNU General Public License) license .	Windows is distributed under a Proprietary commercial software license .