

- **Windows Vs Linux**
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OBJECTIVES

This major of this project are:

- To discuss the difference between Linux and windows
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- To discuss the importance of the two operating systems
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- To discuss the most important difference between Linux and windows

● Introduction

Windows is a series of operating systems, computer operating system (OS) developed by Microsoft for personal desktops/devices or computer (PC). Each operating system comes with a graphical user interface (GUI) with a desktop that allows a user to view all files, videos, etc. It is designed to run on x86 hardware such as AMD, Intel processors. So windows OS comes with almost all company who made PC's or laptops. Linux is an open-source operating system based on UNIX, created in 1991. It is software which sits underneath of all other software on a computer. Users can modify the existing code and create distributions from it as it is an open-source operating system. Linux is mostly used as a server – as most of the web pages over the internet are generated from Linux server.

Microsoft Windows and Linux are both growing in terms of server operating system market share. Windows, which only a few years ago was not considered up to the job of supporting critical system requirements, is now the primary server operating system for many companies--and not just small firms. Linux, which in the late 1990's was considered a hobbyist toy, now is the dominant operating system in some applications such as web servers and is part of the strategic technology platform for major vendors such as IBM and Oracle.

● What is the Windows operating system?

The first version of Windows OS is released in 1985 which is a simple GUI, an extension of existing disk operating system (MS-DOS) and major release as my point of view was 1995 consumer release which has integrated windows and DOS with built-in internet support. Most of

the PC are currently running on the Windows operating system only. The latest Windows OS version is Windows 10 which is currently ruling the market.

- **What is the Linux Operating system?**

Linux is an open-source operating system based on UNIX, created in 1991. Linux operating system also comes with a graphical user interface (GUI) with some necessary software's which are used on a daily basis. It is also used in desktop computers, mobile devices, gaming consoles, digital storing devices, eBook readers, cameras, video recorders have Linux running.

- **Key Differences Between Linux vs Windows**

Following is the Differences Between Linux and Windows

- Linux is open source operating system whereas Windows OS is commercial.
- Linux has access to source code and alters the code as per user need whereas Windows does not have access to source code.
- Linux will run faster than windows latest editions even with a modern desktop environment and features of the operating system whereas windows are slow on older hardware.
- Linux distributions don't collect user data whereas Windows collect all the user details which lead to privacy concern.
- Linux is more reliable then windows as in Linux we can kill application if they hung through x kill command whereas, in windows, we need to try multiple times to kill it.
- Linux supports a wide variety of free software's than windows but windows have a large collection of video game software.
- In Linux software cost is almost free as all programs, utilities, complex applications such as open office are free but windows also have many free programs and utilities but most of the programs are commercial.
- Linux is highly secure because it's easy to identify bugs and fix whereas Windows has a large user base and becomes a target for developers of viruses and malware.

- Linux is used by corporate organizations as servers and operating system for security purpose at Google, Facebook, twitter etc. whereas windows are mostly used by gamers and business users.
- Linux and windows have same priority over hardware and driver support in the present situation.

• **CONCLUSION**

This report has compared Linux and windows by providing the difference and the similarities between the two. The two operating systems are both important to computer users and none of them is different to another, but we can say they are just fundamentally different to each other. (Web ibm.com) [26th September 2010] They are both operating systems and an operating system is one of the most important computer applications as it manages data in it, provides the users with the interface to use the computer and it also makes the computer to run which is one of

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