A review paper on operating system Windows vs Ubuntu

Himanshu Kumar[1], Prachi Gangwar[2], Aditya Jadon[3]
B.Tech (CSE, 2nd Year), CGC Technical Campus, Faculty of Engineering, Mohali[123]

Abstract - Ubuntu vs Windows is a how Ubuntu and Windows compare. Ubuntu vs Windows may sound like a few sort of wrestling cage fit in first pass but in fact it's a lot less complicated than that .From years now we have seen humans seeking to make contrast lot of them on YouTube and a few different men articles is to how these exclusive computing platforms. if you may operate in what their differences are then we start to split hairs ,and Ubuntu is really a Linux. Linux and these types of other stuff and it gets very complex. Where through home windows you genuinely factor to and say " Hey, it's not a looking Glass it is surely windows it is home windows operating machine" it's very simple .But there are a few things that we will factor to highly be a part of the differences among those computing platforms and below we've all of the differences that assist u choose that is best. Ubuntu is an open source running machine whilst Windows is a paid and authorized working device. ... Ubuntu userland is GNU at the same time as Windows10 userland is Windows Nt, Net. In Ubuntu Browsing is quicker than Windows 10. Updates are very smooth in Ubuntu at the same time as in Windows 10 for the replace every time you need to installation the Java. The researchers can conclude that albeit the Ubuntu OS has not been in existing for long but its growth within the market has been tremendous especially among computing and IT students. The simplicity of use including convenience and customization factor are the influential features of this technology. Ghanaians are now appreciating and moving towards to usage of Ubuntu OS as an honest number of them are using the OS.[10]

Keywords: Computing platforms, Linux, complicated, windows.

I.   INTRODUCTION

Windows and Ubuntu are both operating systems, which provide an interface for users to interact with the machine (computer, laptop, notebook, etc.). , What are windows? Microsoft has created Windows as an extensible, portable operating system - which can take advantage of new technologies and hardware. Windows supports multiple operating system environments and symmetric multiprocessing, including 32-bit and 64-bit processors and **NUMA** computers. Developed by Microsoft Corporation. Windows define itself by its full form-

W- *wide*
I – *interactive*
N – *network*
D - *development*
O - *office*
W – *wide*
O - *office*
S – *solution*

What exactly is Ubuntu? Ubuntu (said oo-BOON-too) is primarily based on the Linux operating gadget. Ubuntu is a free and open-source Linux distribution based on Debian. [8] Ubuntu is called after the African philosophy Ubuntu, which canonically interprets -

<UBUNTU = "Because I am.">: Developed with the aid of Canonical. Now there are some things you should awareness on: # Ubuntu vs Windows-Purchase: -

The price of the operating gadget is usually pre-installed while you buy Windows or while you purchase a copy of it.[4] With Ubuntu, you're recommended to donate a cost, effort or money or other assets to the Ubuntu venture. You can installation with Ubuntu Broth. Most faculties can't have the funds for Windows computers and might easily motel to a lovely open supply Linux distro without fear of losing productiveness, beauty or efficiency.[1]

II.   UBUNTU VS WINDOWS - SECURITY

So for Ubuntu vs window in this particular case the way they handle security is very very different. **Windows** has a number of **security** features that you can use to help **secure** your system, but there's no getting away from the fact that **Ubuntu** is more **secure** than **Windows**.[7] Ubuntu handling security is very much based on privileges that is one big thing is, you know user-level privileges. Ubuntu also used the uncomplicated Firewall**(UFW)** to make that a little more palatable .then out of the box, privileges are definitely the big thing. Firewall handling in ubuntu is far superior to windows. The security is also based on authentication as: Authentication. Making sure that nobody can access the system without first providing that she has entry rights.The above security concern is more related to ubuntu than windows.*So from above you got a review that Ubuntu is far superior in security than windows

III.   UBUNTU VS WINDOWS- SOFTWARE INSTALLS

Regarding by and large accessibility windows demolishes ubuntu and all Linux dispersions as far as programming types .Overall windows wins as far as accessibility of programming. For ubuntu clients they are progressively solid to their applications as they can rouse their applications by slanted in giving cash, backing and converse with them, So that it will turn out with increasingly great things. So for accessibility of programming widows wins and ubuntu misfortunes however ubantu utilizes most likely have more regard for the application they use. Though windows clients resemble "Ohh that passed on who cares I will proceed to get one of the ten thousand different ones they don't generally

mind." Now programming establishment on ubuntu versus windows well that is distinctive overall....

The way you install software on Windows is outdated, but you understand, that means the application probably needs to build an update checkup in its circle. The other app and you have to remember it when you have time for your lunch break. [9]<Windows always pushes you towards power updates>

Switching to Ubuntu makes you feel very inefficient even though I add package management. Ubuntu will uncheck different things for you and it will actually listen to you and not run away and install stuff you don't like. This definitely wins Ubuntu….

IV. UBUNTU VS WINDOWS-CUSTOMIZATION

Some of you may believe that Ubuntu is only for geeks, and that the normal client wouldn't have the option to utilize it. So how on earth would it be able to be superior to Windows? Well truly Ubuntu isn't that hard to use, indeed, it's in reality similarly as simple as Windows to utilize, if not simpler in certain regards. So at that point, how about we investigate a portion of the reasons why Ubuntu is superior to Windows. The screenshot below is my Ubuntu 16.04 desktop. The changes I have made took around 5 minutes to apply and it looks very different from a stock install.[2]

In ubuntu you have choice ,so you not only customize the themes but you can also customize the desktop references .You can go to the software manager and just choose completely and totally different desktop experience and install that, log out slut the new desktop ,log in everything is different . If you have any problem with the icons. No problem ?it just resolved very fast

So customization is a big thing for ubuntu vs windows

	Windows	Ubuntu
01	Paid, Licensed Version	Free, Opensource
02	GUI Interface (Windows Shell)	Command line & GUI interface (Ubuntu Unity)
03	Not much compatible for programming	Comfortable for programming
04	Friendly for entertainment (Gaming, Movies, music etc)	Not much compatible for entertainment
05	It doesn't require programming knowledge	It requires machine programming
06	Hybrid Kernel & Micro Kernel (Latest Version)	Monolithic Kernel
07	Heavy operating system	Lightweight operating system
08	Requires Antivirus software	No need of Antivirus Software
09	Low performance as compared to linux	High Performance
10	Executable packages	Debian packages

V. SIMILARITIES BETWEEN WINDOWS AND UBUNTU OS

1. Both Windows and Ubuntu is an Operating System
2. Both having some parcel design (Windows support NTFS and Ubuntu support ext 3/4)
3. Both have GUI (Windows have as a matter of course and in ubuntu you can introduce it)

4. Windows and ubuntu are performing multiple tasks working framework.
5. Both are symmetric multiprocessing working framework.
6. Both are good for 32 piece and 64 piece engineering.
7. Both comes in the classes of stable working framework.
8. Ubuntu provide live mode support but window don't give live mode option as windows cannot work as live option but as compared to linux it can act as live mood.[3]

V. CONCLUSION

As from the above you get a fair idea that which is more reliable .There are other advantages Ubuntu has over Windows like being more accommodating of other Operating Systems (since you can select the amount of memory storage you want it to use during setup); and better integration with administrative tools. Ubuntu OS is predicated on the Linux kernel and its development was led by UK-based Canonical Ltd. a corporation owned by South African entrepreneur Mark Shuttle worth. The Ubuntu OS is primarily designed for desktop computers, smart phones and tablets. Since Ubuntu is an open source it's become one among the fastest growing Linux based OS .[6] This work is to live the emotions level of Ubuntu Operating System; Customer Satisfaction may be a measure of how products and services supplied by a corporation meet customer prospect. Customer satisfaction is critical if a corporation is to benefits from high sales profits. The work was done to understand , what proportion a consumer is satisfied about the Ubuntu OS and current market scenarios of Ubuntu OS and what additional features should company introduce to extend the potential customer. This study is predicated on both primary and secondary data sources. Primary data was collected through questionnaire employing a sample space 120 out of which 100 responded given a response rate of 83.33%. The sample was purposefully selected employing a sample space of scholars and Lectures drawn from University of Energy and Natural resources-Sunyani, University of Education-Kumasi Campus, Christian Service University College-Kumasi, and Catholic University College-Sunayni.

VI. REFERENCES

[1]. https://discourse.ubuntu.com/t/ubuntu-donations-funding/29
[2]. https://tutorials.ubuntu.com/tutorial/tutorial-install-ubuntu-desktop-1604
[3]. https://www.thegeekstuff.com/2012/08/screenshot-ubuntu/
[4]. https://www.zdnet.com/article/seven-perfectly-legal-ways-to-get-windows-7-cheap-or-even-free/
[5]. https://www.researchgate.net/publication/301561616_USERS_SATISFACTION_OF_UBUNTU_OPERATING_SYSTEM
[6]. https://www.researchgate.net/publication/301561616_USERS_SATISFACTION_OF_UBUNTU_OPERATING_SYSTEM
[7]. https://smallbusiness.chron.com/differences-between-linux-security-windows-security-79959.html
[8]. https://searchdatacenter.techtarget.com/definition/Ubuntu
[9]. http://studiolemotif.ru/3zvupis/how-to-use-ubuntu-in-termux.html
[10]. https://www.freecodecamp.org/news/i-switched-from-windows-to-linux-here-are-the-lessons-i-learned-along-the-way-434da84ab63f/