**Abstract for Linux Ubuntu OS’ Network Tech**

The Linux Ubuntu OS is a free, open source software and free to modify to anyone who downloads it. It is a highly customizable software that can be configured by any user with the know-how to meet their needs. Ubuntu, like many other distributions of Linux, is reputable for other things as well. Resource friendliness, updating without restarting, and universally loved command line are just a few examples of the capabilities of Ubuntu’s possibilities.

Linux Ubuntu still isn’t perfect, despite all the positive hype. A drawback of the free, open source background is supposed poor support from the OS’ forums and beginner unfriendliness for Windows users transitioning to Linux.

**Abstract for Windows OS’ Network Tech**

Despite the setbacks of Windows like security, having to pay for it and having less freedom with customization, many network admins love the familiarity that Windows provides for users. A GUI most certainly provides a comfortable and smooth experience for ordinary users and sys/network admins alike. Windows 10 and Windows Server share a familiar code and is GUI based (although it is recommended to be turned off and command line based). Despite expenses, larger companies may benefit from using Windows for their Networking needs over Ubuntu. It is important to bear in mind that Windows still allows use of the command line for more complex tasks.

**Networking Technologies - Focus of Research**

For Networking Technologies, we want to focus our research on the obvious advantages and disadvantages of the Linux Ubuntu OS and the Windows 10 OS. This includes customizations and apps like Ubuntu Server and Windows Server. So far, we discovered no operating system is technically ‘better’ than the other and both are situational. Linux may be more accessible for start-ups with much less capital and be highly modifiable to fit specific needs of certain clients. However, Windows could be more suitable for a large company with much more capital and prefers to save time with a basic interface. We plan to use a variety of online sources to determine the guide to selecting a suitable operating system, and possibly consulting the words of people on social media platforms who themselves had worked with these networking platforms.

**Network Technologies references**

1. The Top 10 Advantages Ubuntu Has Over Windows - https://www.fossmint.com/advantages-ubuntu-has-over-windows/
2. Disadvantages of Ubuntu - https://www.drawbacksof.com/disadvantages-ubuntu/
3. Linux vs. Microsoft Windows Servers - https://www.volico.com/linux-vs-microsoft-windows-servers/