Why is linux open source?

Linus was a smart man, one of the reasons he wanted Linux to be open source. Was that he wanted other developers to donate their time and grow Linux to what is today. Another reason it was developed open source was simply because Linus wanted to show it off to others and use it for himself.

Most of the evidence points to him not being on this grand mission to give free software to all. Very interesting!

Because Linus wanted the opportunity

What could this mean for the world

What could this mean for the world. Is it a net positive that such open-source software exists? Today we will delve into both the negatives and positives of Linux being open source

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Security

Which is interesting, before I did my research I thought perhaps the security may have been at risk for the very reason that it is secure

There has been input by many “Whitehat Hackers” This coupled with the face there are strict privilege levels and the SUDO or Super User power that Linux provides. Is by a large consensus of IT experts the hardest OS to hack !

**Privileges**

To start with, Linux has clearly defined privileges at multiple levels, thereby restricting access. For example, there is a ‘root’ level access rights (which you can relate with ‘administrator’ in any OS) which are not given to any normal user. Users are given access only to lower level accounts with limited access. When a Linux system is compromised, virus or malware will not get the root access to damage system wide. Only local files and programs of users will be affected, as the normal user will not have access permission to all the files in the system. This leads to least effect of virus in systems with Linux. As Linux users don’t have root access, it is difficult to cause damage on Linux.

<https://www.educba.com/advantage-of-linux/>

So while Raspbian isn’t specifically from Linux

Raspbian is a free operating system released in July 2012 that runs on the Raspberry Pi single-board computer. **It is derived from Debian Linux**, and uses the LXDE desktop environment by default. The screenshot below shows the default desktop environment in Rasbian as of April 2019.