

## L05: Choose the Best OS

### Windows

Windows is the most widely used operating system in the world. It was built for the general public and is extremely popular amongst both large and small businesses. Windows is easy to use, and it is compatible with many different devices.

Windows would be an appropriate choice for a nonprofit social service organization due to the fact that it is relatively cheap, and it provides numerous applications which focus on office work.

Windows would not be an appropriate choice for a small interior design firm due to its inferior interior design software.

Windows would not be an appropriate choice for a social media advertising agency due to its inferiority when it comes to graphic design and the overall creative marketplace.

#### Pros:

- Easy to use.
- It comes with a built-in GUI.
- Most widely used OS so plenty of support.
- Comes pre-installed on most PC's.
- Allows users to easily run daily tasks such as internet browsing, gaming, and office work.
- Most of Windows's features are free to use.
- It is compatible with most third-party software.

#### Cons:

- Windows is private software, so its source code isn't available to the public.
- Shows advertisements within the operating system.
- Less secure.
- No package managers.
- Less stable.
- A large amount of malware is developed to attack Windows.

### MacOS

MacOS is one of the top three operating systems in the world. It is popular among creatives such as graphic designers, video editors, content creators, etc. It is also popular among software engineers. MacOS also has one of the best software ecosystems out there.

MacOS would not be an appropriate choice for a nonprofit social service organization due to the significant costs associated with Mac devices.

MacOS would be an appropriate choice for a small interior design firm due to its graphic design capabilities and interior design software.

MacOS would be an appropriate choice for a social media advertising agency due to its graphic design capabilities.

Pros:

- It comes pre-installed on all Mac computers.
- It comes with a built-in GUI.
- It is very secure.
- It is very stable.
- It comes with a package manager installed by default, making many third-party software installations quick and easy.
- It is Popular among creatives such as graphical designers, video editors, content creators, etc.
- Mac computers provide a more vivid display of colors.
- There are many niche apps that are only available in the Mac ecosystem.

Cons:

- Incompatible with non-apple devices.
- Mac products are priced considerably higher than most of their competitors.
- Limited compatibility with some third-party software.

Linux

Linux is probably the least popular out of the three main operating systems out there but that has been changing over the years. When Linux was first created, it was very complex and required quite a bit of skill in order to use it. Nowadays, Linux has become much more user friendly, and more people are beginning to use it. Linux is very popular amongst the tech industry.

Linux would be an appropriate choice for a nonprofit social service organization due to the fact that it is free and very customizable.

Linux would not be an appropriate choice for a small interior design firm because it does not have the best graphical user interface.

Linux would not be an appropriate choice for a social media advertising agency due to the fact that it does not have the best graphical user interface and it lacks cutting-edge graphic design software compared to other operating systems.

Pros:

- Linux is opensource so it is free and customizable.
- Some Linux operating systems are the most secure and most stable in the industry.
- Linux comes with a package manager installed by default making many third-party software installations quick and easy.
- Linux is very popular among the tech industry.

Cons:

- Greater learning curve.
- Meant for users that have a general understanding of how a computer and its operating system works.
- While Linux is free to the general public, some distros are not free for businesses to use.
- Linux is less compatible with some third-party software.