**Pros and Cons of OS’s**

**Windows**

Windows 11 is the one place for it all. With a fresh new feel and tools that make it easier to be efficient, it has what you need for whatever’s next.

* Less chaos, more calm. The refreshed design of Windows 11 enables you to do what you want effortlessly.
* Biometric logins.\*\*. Encrypted authentication. And, of course, advanced antivirus defenses. Everything you need, plus more, to protect you against the latest cyberthreats.
* Make the most of your screen space with snap layouts, desktops, and seamless redocking.
* Widgets makes staying up-to-date with the content you love and the news you care about, simple.
* Stay in touch with friends and family with Microsoft Teams, which can be seamlessly integrated into your taskbar\*
* Play the latest games with graphics that rival reality. DirectX 12 Ultimate comes ready to maximize your hardware.\*\*

If your system was unable to install Windows 11 when offered the free upgrade due to system requirements, you will not be able to install this version. For more information on system requirements visit, https://www.microsoft.com/windows/windows-11-specifications. \* Feature and app availability may vary by region, and some features require specific hardware \*\* Hardware dependent

**Pros:**

* Most popular operating system
* GUI (graphic user interface) is known as a standard.
* Has continuous updates.
* Beginner friendly

**Cons:**

* Costs to license
* Native applications such as Microsoft word, excel, etc. cost to use as well.
* Targeted by malware
* Not open source

**Mac OS**

macOS is the operating system that powers every Mac. It lets you do things you simply can’t with other computers. That’s because it’s designed specifically for the hardware it runs on — and vice versa. macOS comes with an entire suite of beautifully designed apps. It works hand in hand with iCloud to keep photos, documents, and other stuff up to date on all your devices. It makes your Mac work like magic with your iPhone and other Apple devices. And it’s been built from the ground up with privacy and security in mind.

**Pros:**

* Seamless use with other Apple products
* Wide variety of included application (Movie editor, Music maker, office suite)

**Cons:**

* Not upgradeable
* Newer Apple silicon cannot run Windows
* High hardware cost
* Closed ecosystem

**Linux**

Linux® is an [open source](https://www.redhat.com/en/topics/open-source/what-is-open-source) operating system (OS). An [operating system](https://www.redhat.com/en/technologies/linux-platforms/enterprise-linux) is the software that directly manages a system’s hardware and resources, like CPU, memory, and [storage](https://www.redhat.com/en/topics/data-storage/software-defined-storage). The OS sits between applications and hardware and makes the connections between all of your software and the physical resources that do the work.

**Pros:**

* Mostly free
* Open Source
* Highly customizable, depending on user/programmer knowledge
* Stable

**Cons:**

* Has a major learning curve
* Is not user friendly for people who are not familiar with Linux
* Software limitations.

**Recommendations**

I would highly recommend everyone to start with Windows from Microsoft. Not only does the United States Government use them, but also a wide variety of other companies as well. Their ease to set up and forget is relatively built into the cost of the OS. I also think that none of them have specific needs of open source or need a technical support/programmer to set up custom applications tailored to their business.

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