

Operating system introduction

operating system

“An operating system (OS) is system software that manages computer hardware and software resources and provides common services for computer programs.”

https://en.wikipedia.org/wiki/Operating_system

operating system

“The operating system is an essential component of the system software in a computer system. Application programs usually require an operating system to function.”

https://en.wikipedia.org/wiki/Operating_system

operating system

Imagine if every program had to know every disk there is.

Imagine if every program had to know every network device there is

Imagine if you could run only one program at a time

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operating system

Examples

- Android
 - GNU/Linux (Debian, RedHat, Ubuntu)
 - iOS
 - MacOS
 - Windows
- RTOS, Embedded OS

operating system

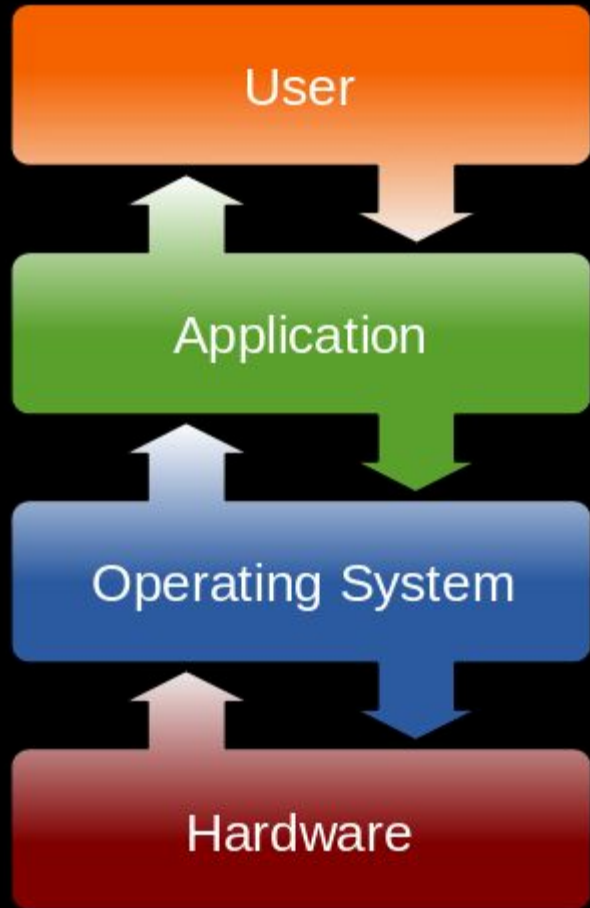
Kernel

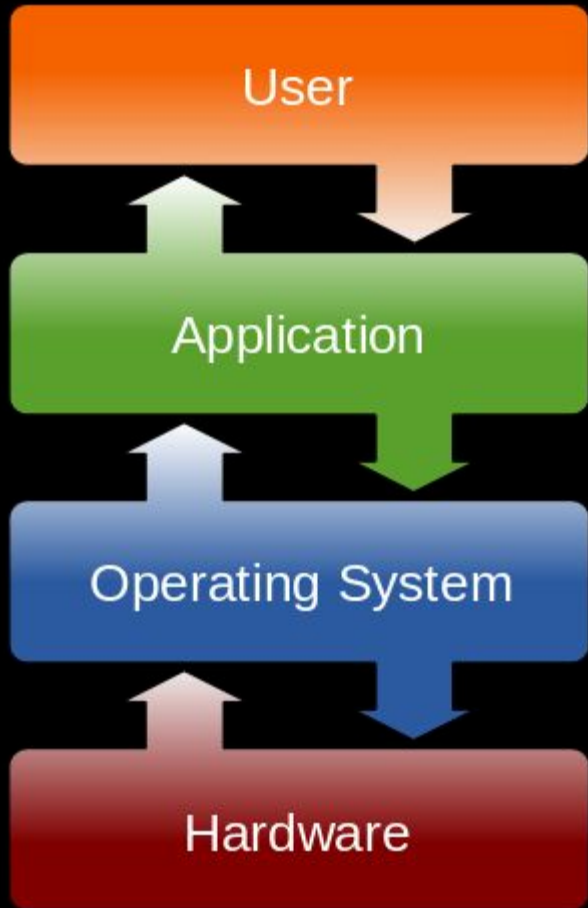
I/O

File system

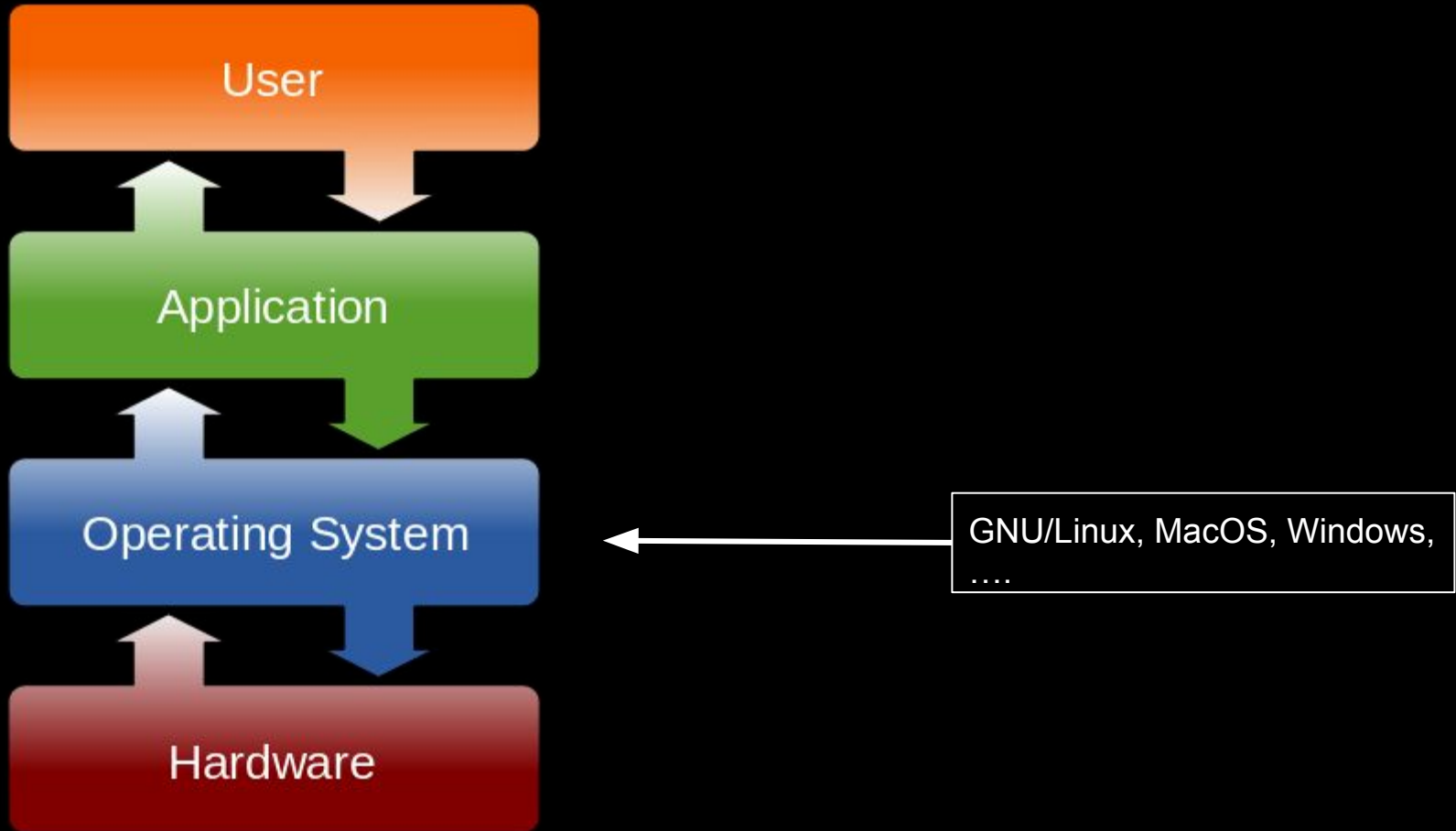
Networking

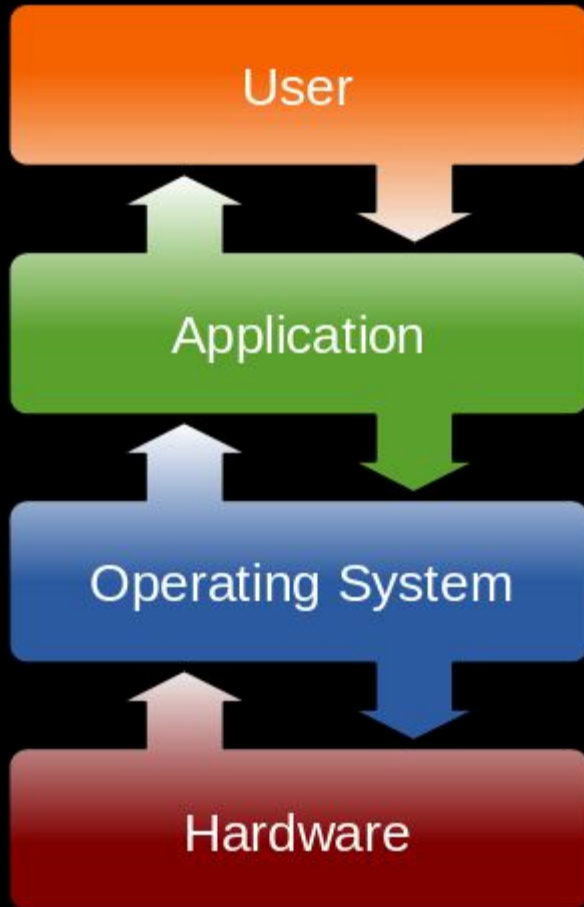
Loader



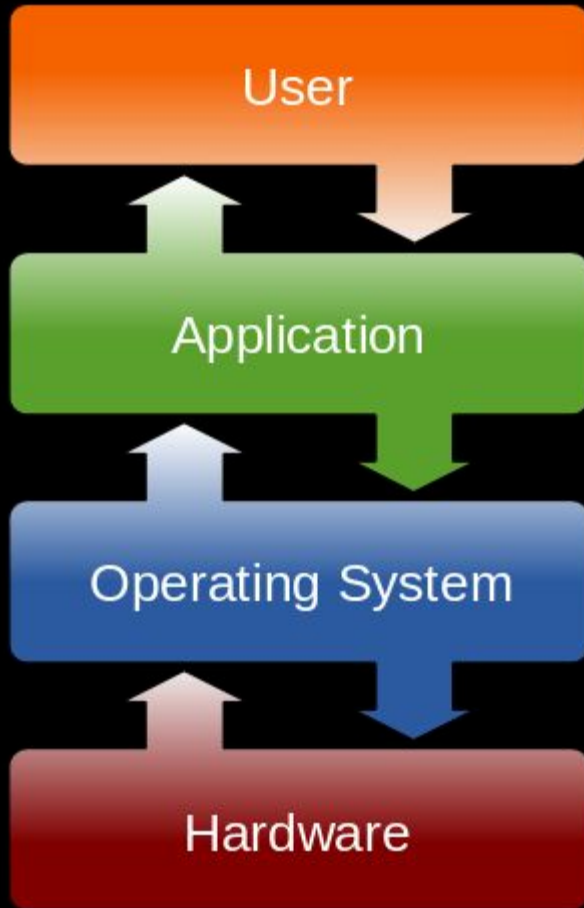


← Hard disk, memory, display, keyboard





LibreOffice, Firefox, Chrome,
Twitter, Instagram ...



Typically you

