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A Look Inside the Components of a Linux Distro

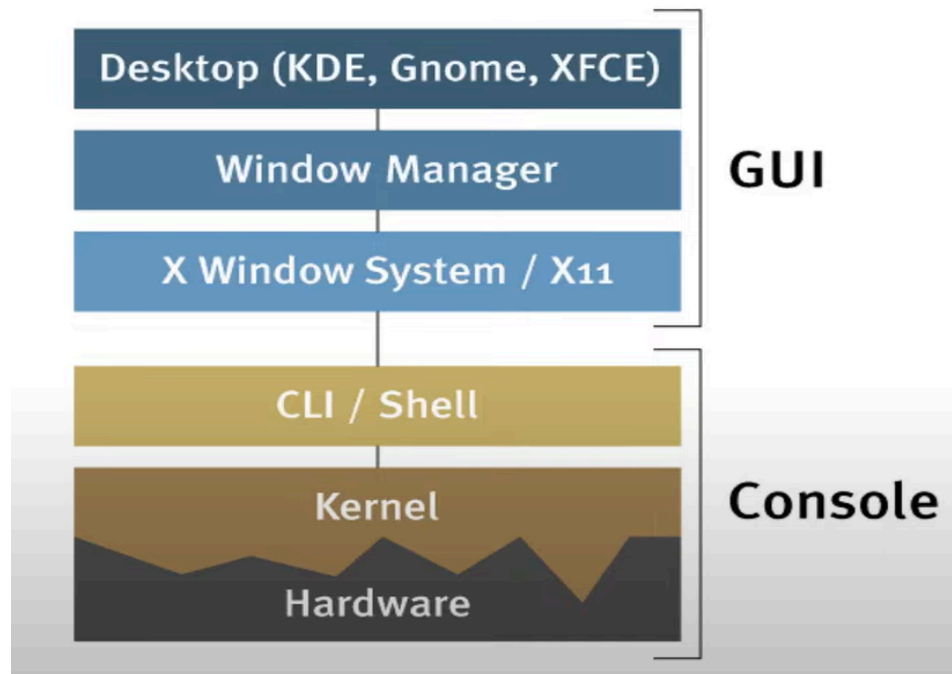
What is Linux? 🤔

Linux is a Kernel 🙄

What is Kernel? 🤔

The kernel is the boss of your computer, managing everything behind the scenes.

- Memory Management: Allocates and manages memory for running programs.
- Process Management: Creates and controls the execution of applications.
- Device Drivers: Communicates with hardware components like printers or network cards.
- File System Management: Handles access to and manipulation of files on storage devices.



What is Shell? 🧐

Shell is a Translator.



It takes user commands and converts them into instructions the computer understands.

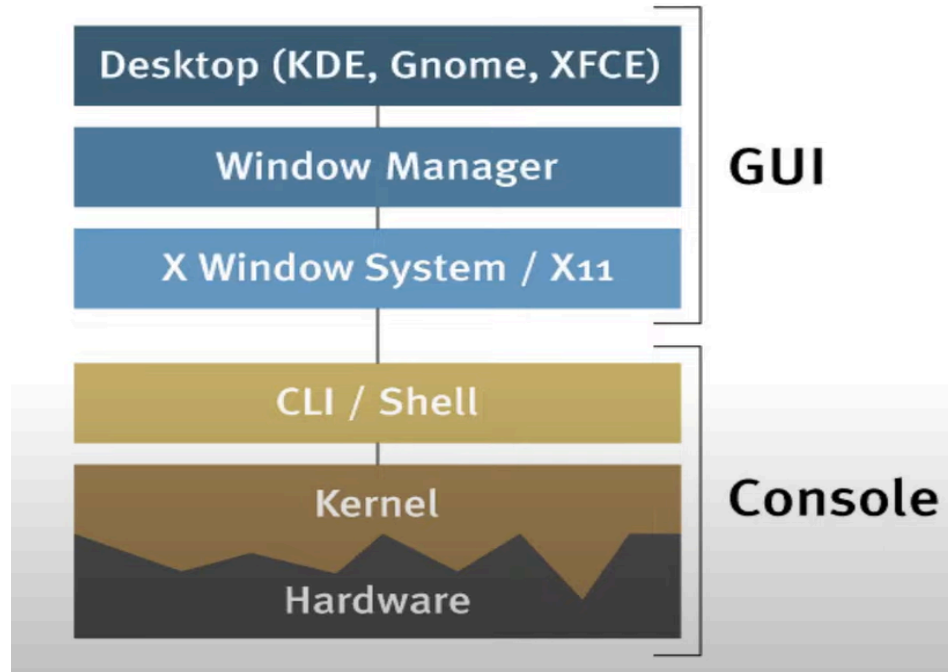
What is Window System?



Also Know as:

- Windowing System
- Graphics Server
- Display Server
- Window Server

Controls what you see & how you interact with it on screen.



What is Window Manager? 🤔

A window manager is the software that controls how windows appear on your screen. It lets you move, resize, and organize them, like a traffic conductor for your windows.

- Positioning windows on the screen
- Allowing you to resize and move window
- Keeping track of which window is active (has focus)
- Drawing window borders and title bars (for some applications)

What is Desktop Environment?

A desktop environment is the visual interface you interact with on your computer. It's like the virtual world on your screen, including the windows, icons, menus, and background.

- Window manager
- File manager
- Theming
- Applications

End 🖐️