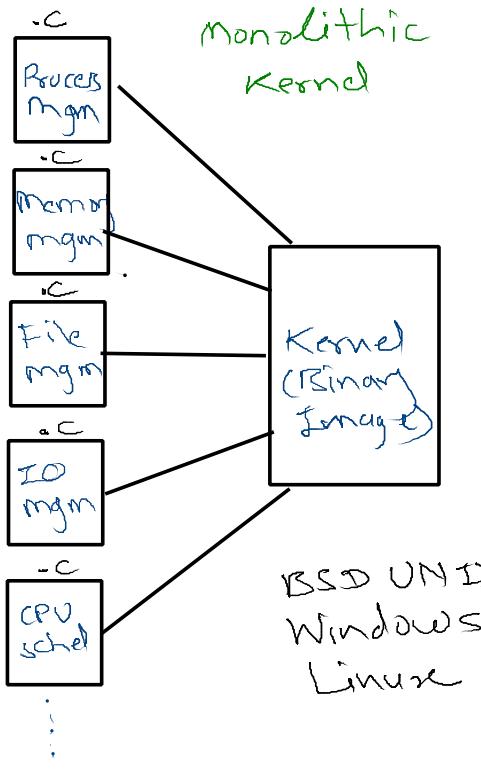


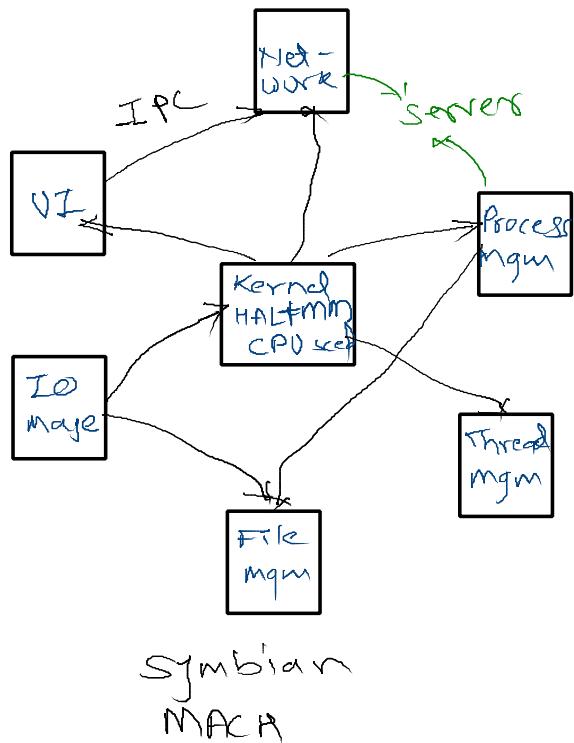
Types of Kernel



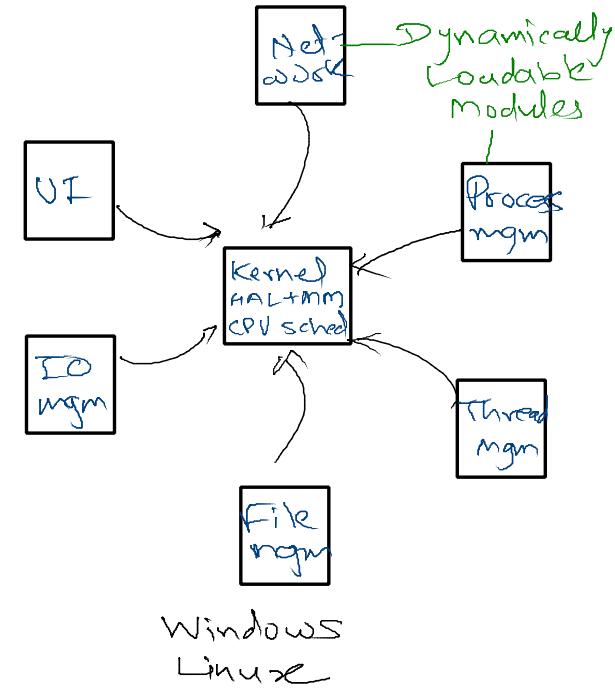
Hybrid Kernel

BSD + MACH = Darwin
VXI + MACH = Mach

Micro Kernel



Modular Kernel



Nano Kernel

- small size kernel
- minimal functionalities

Linux =

Static
Component

+

Dynamic
Component

- ① CPU scheduling
- ② Process Management
- ③ Memory Management
- ④ IO subsystem
- ⑤ Hardware Abstraction
- ⑥ System calls

Kernel
(vmlinuz)

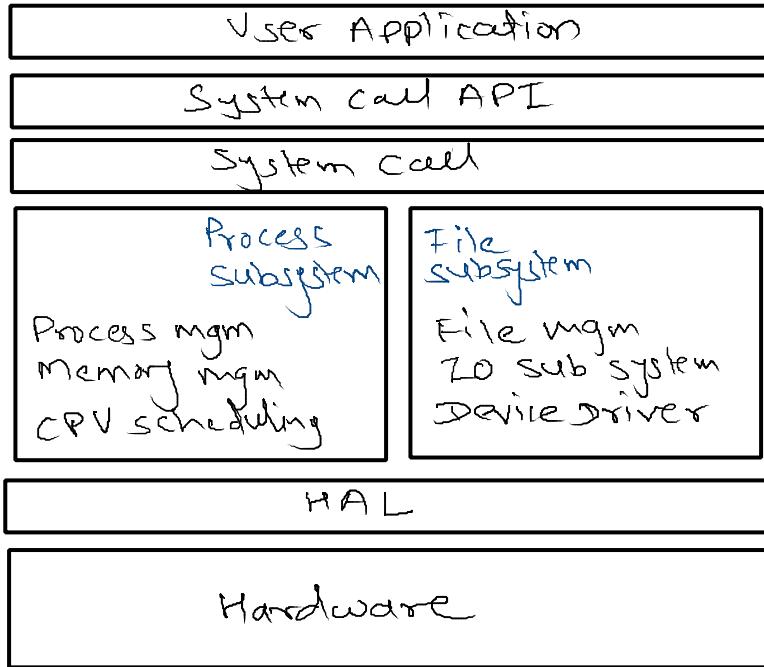
(/boot)

- ① File system mgr
- ② Device Drivers

Dynamically Loadable
modules
(Kernel objects) (.ko)

/lib/modules/linux-....

UNIX Architecture



Linux Architecture

