

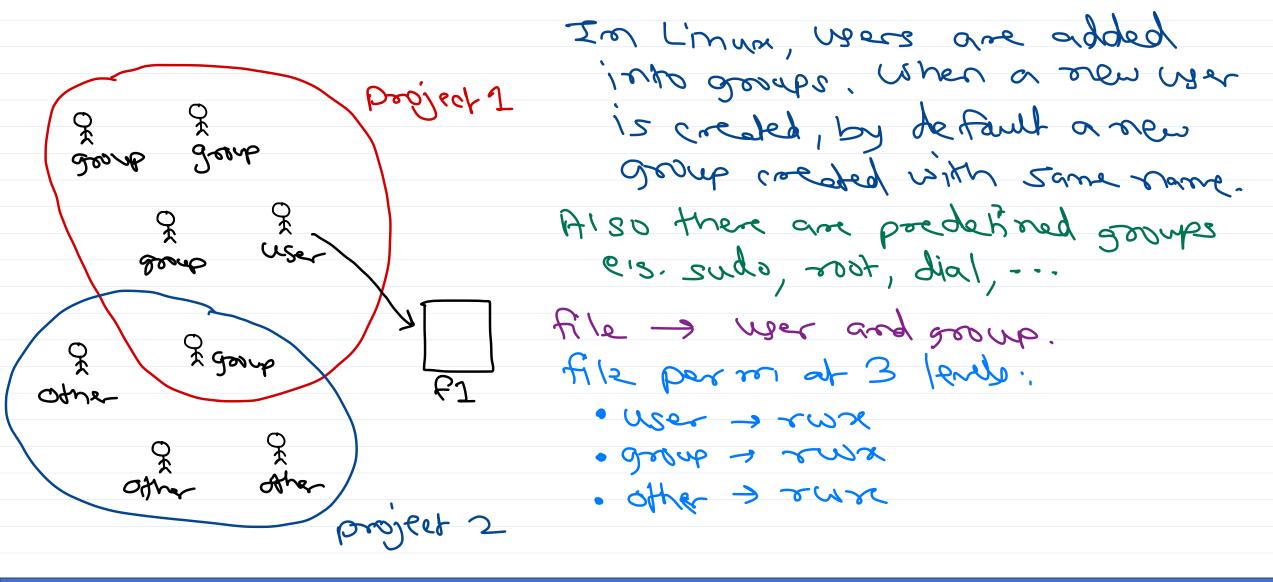


**Operating System Concepts** 

Sunbeam Infotech



# File permissions





## File permissions

chrosod +x Alepath = give perm +v W USO LMX LMX LMX 9 0 -2 Grande Decent dire bonen; enx e-x 1--11110100 chonod 9 tw file & give revoke g-w file w to group chroad 754 Alepath. chomod a tw file & grefoeroke To charge user owner of file, y-w tile wo to user Sudo Chown user: group filepath. chomod o tw file & give revoke (-R) som all files in dir 0-w tile who other

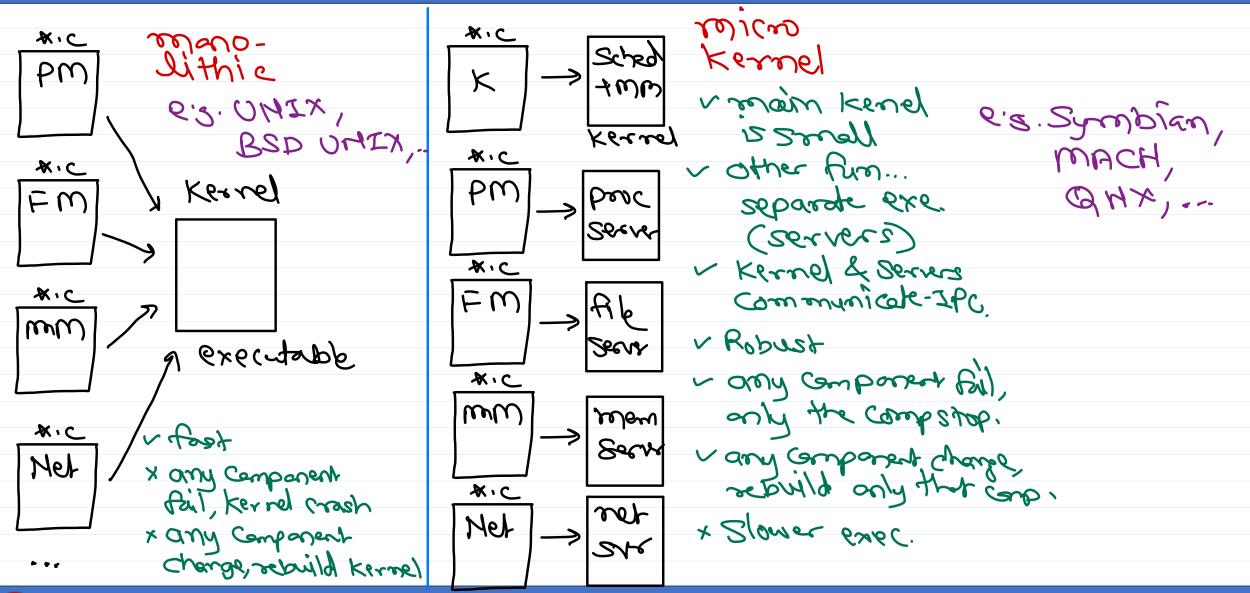


# **Booting**

v Linger - (Groß or Lilo) (1) Bootable device ~ Was OB & - Bag court - Storage Levice whose Rost v Solams - SILo Esque Contains pootstant baser. ~ BSD voix - BTX (2) Boot stoop Pom (4) POST - that loads 08 kernel in RAM - boodesm jeur BIOS KIM 3) pootlogger in sector at that execute when Computer power on. bootable device. (S) Bootstoap loader - diver abyears to end now you report - Poogram form BIOS Rom that motherboard find the bootable device ie. 05 to Look. - parsey ou not aby or start Rom p.d. or disk or ... e.s. windows - n+1/dr (legacy), (+ of Sin) remisord

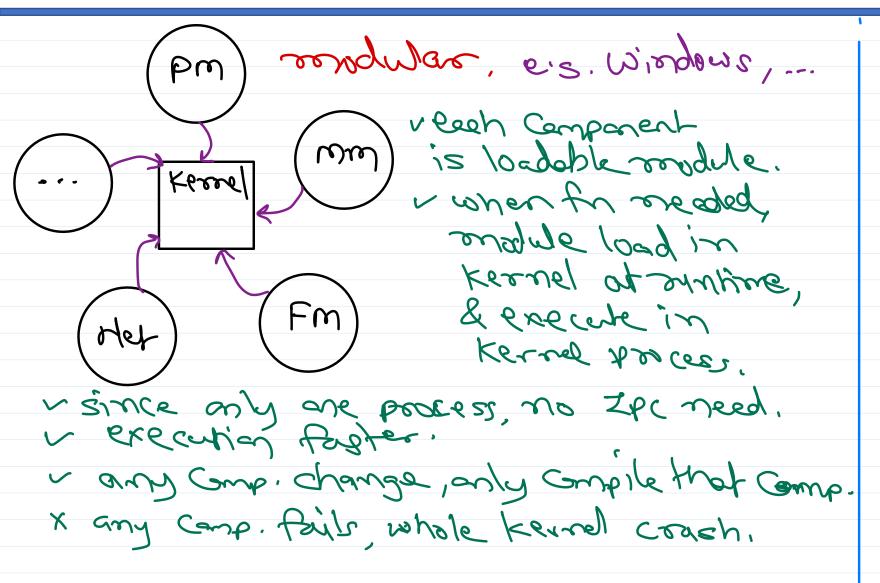


## **OS Kernel Types**





#### **OS Kernel Types**



Hybrid

reade form routsple

kerrel source codes.

2'5. Mac OS X

= BSD Unix + MACH

ark.a. Darwin (KMV)

(UCB)

Unix

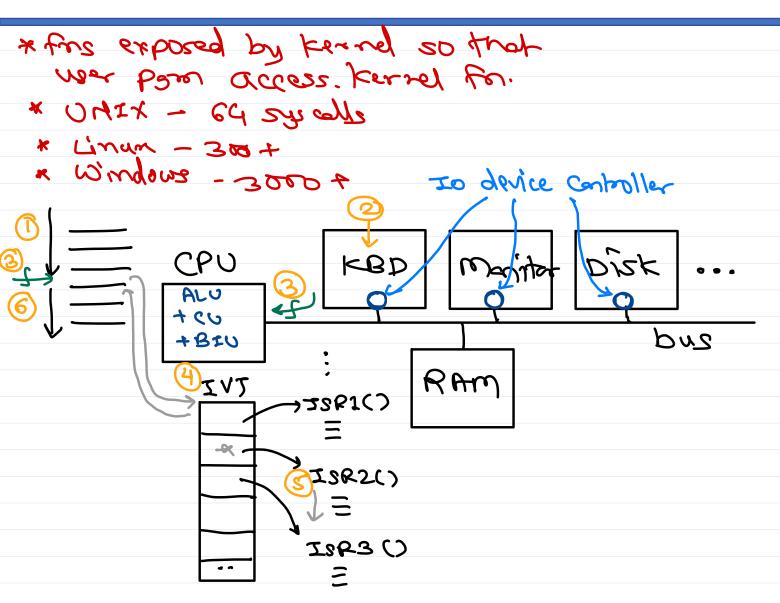


#### Linux Kernel

```
~ mainly - manolithic
v static components
                           ->vm linuz
   - selse resur
                                                    supplithic
   - CPU sched
                            (kernel grecutable)
   - proces of threed mount
   - System alle
r dynamic components
                         L -> X.KO
   - file system (dieners).
    - device drivers
  « Kerney sonce coge: mon. Kerney. aed.
```



#### System calls







Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

