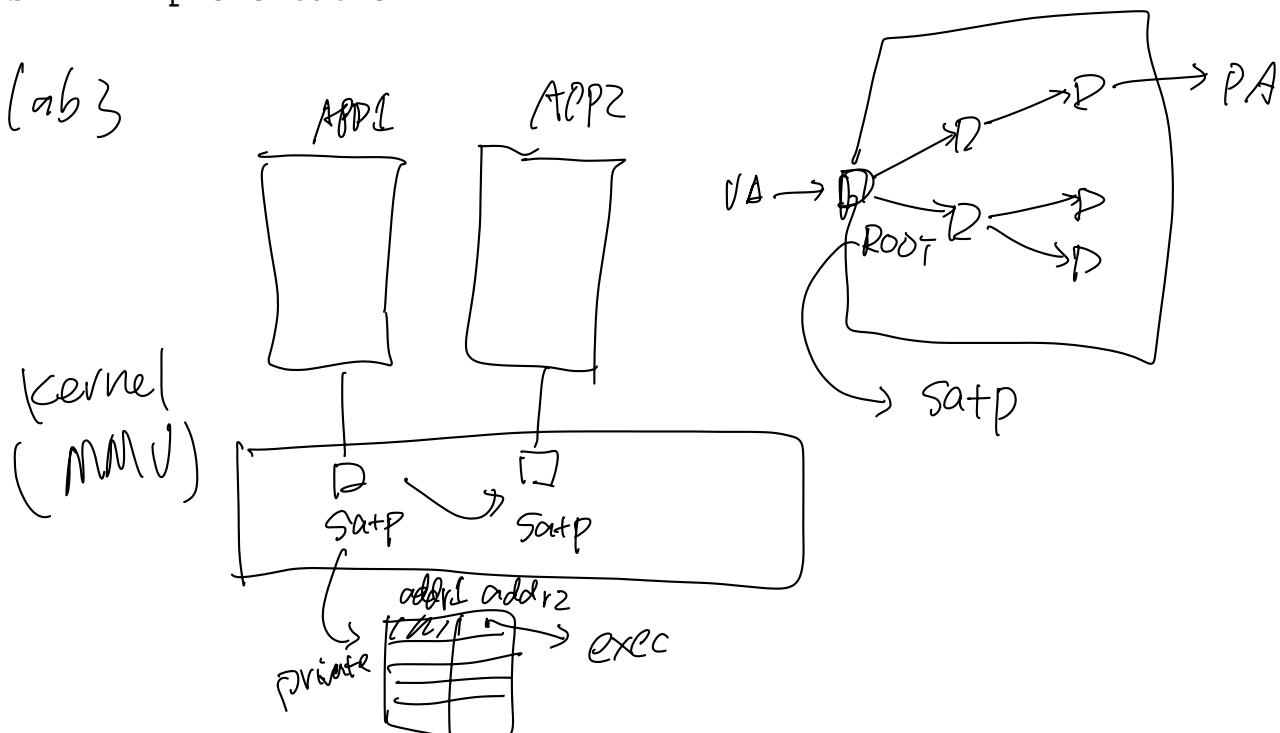
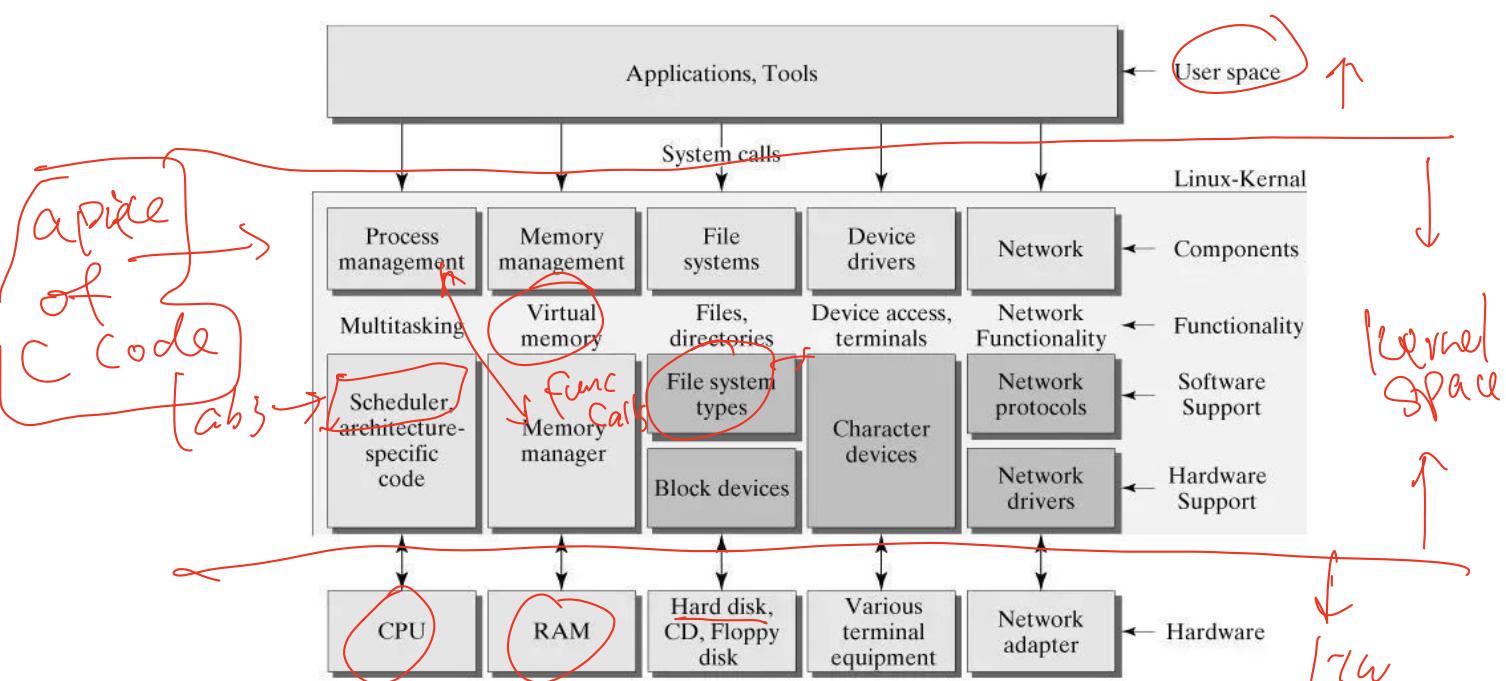


1. OSI: the first 3 steps
 2. OS organization
 3. egos desgin
 4. egos-2k+ implementation
-

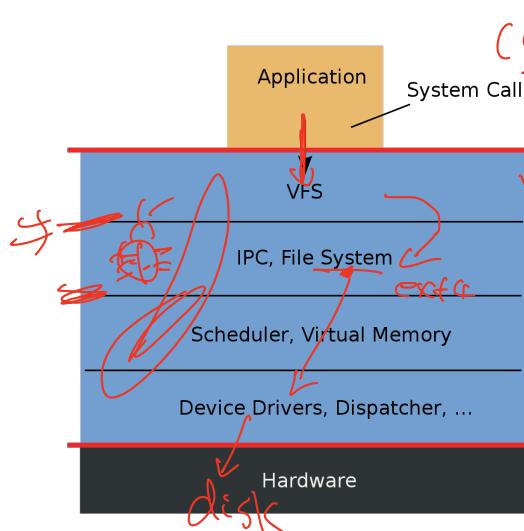
(ab3)



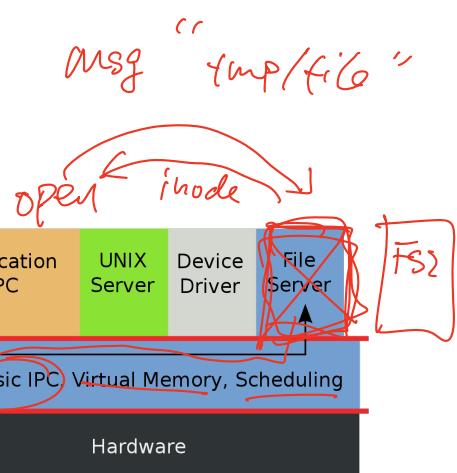
Linux kernel architecture



~~Monolithic Kernel~~ based Operating System



~~Microkernel~~ based Operating System



UNIX v6

10K

Linux 0.01

8K

Linux 5.7

50K

Windows XP

30K

Windows 8

15K

50K

200K

1M

10M

500K

1M

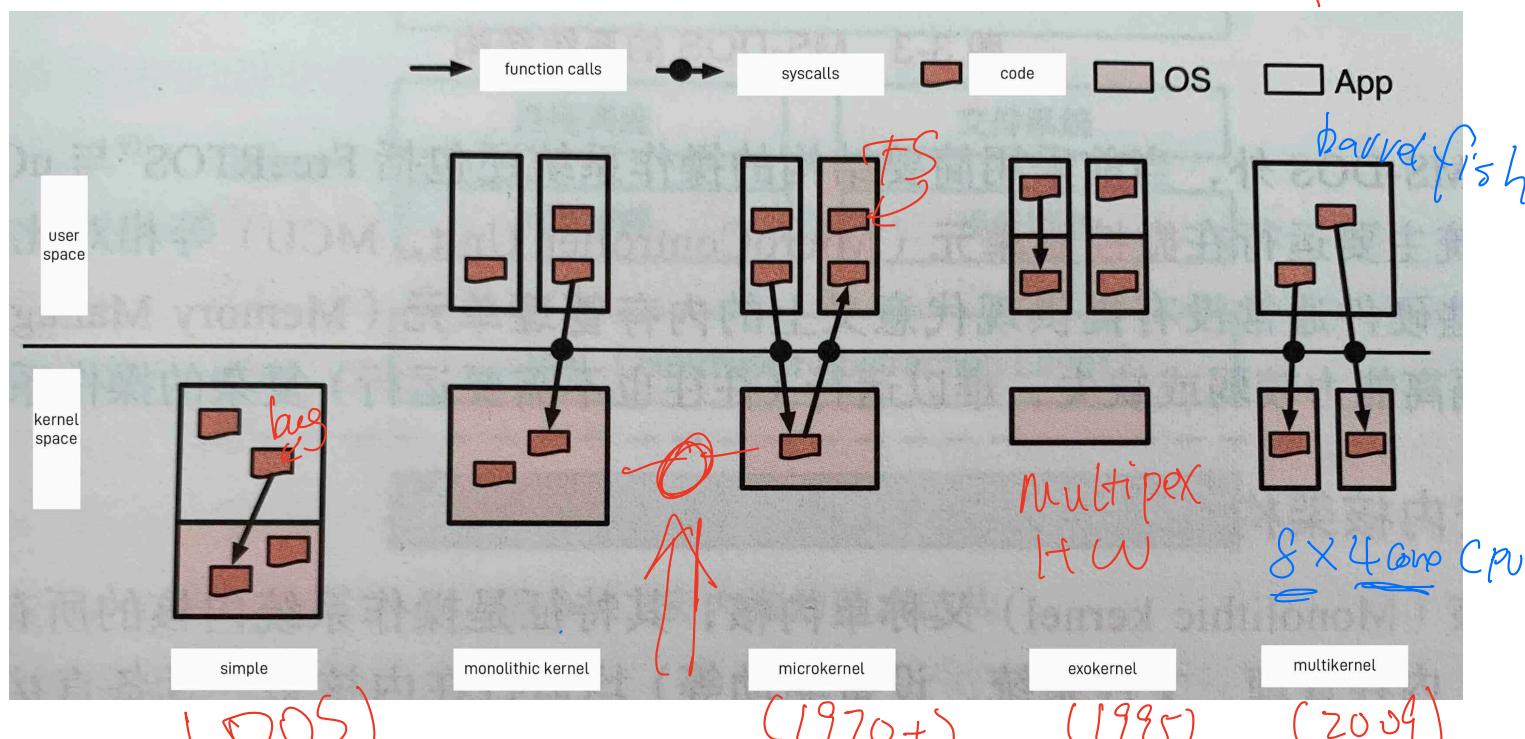
10M

28M

45M

60M

IPC



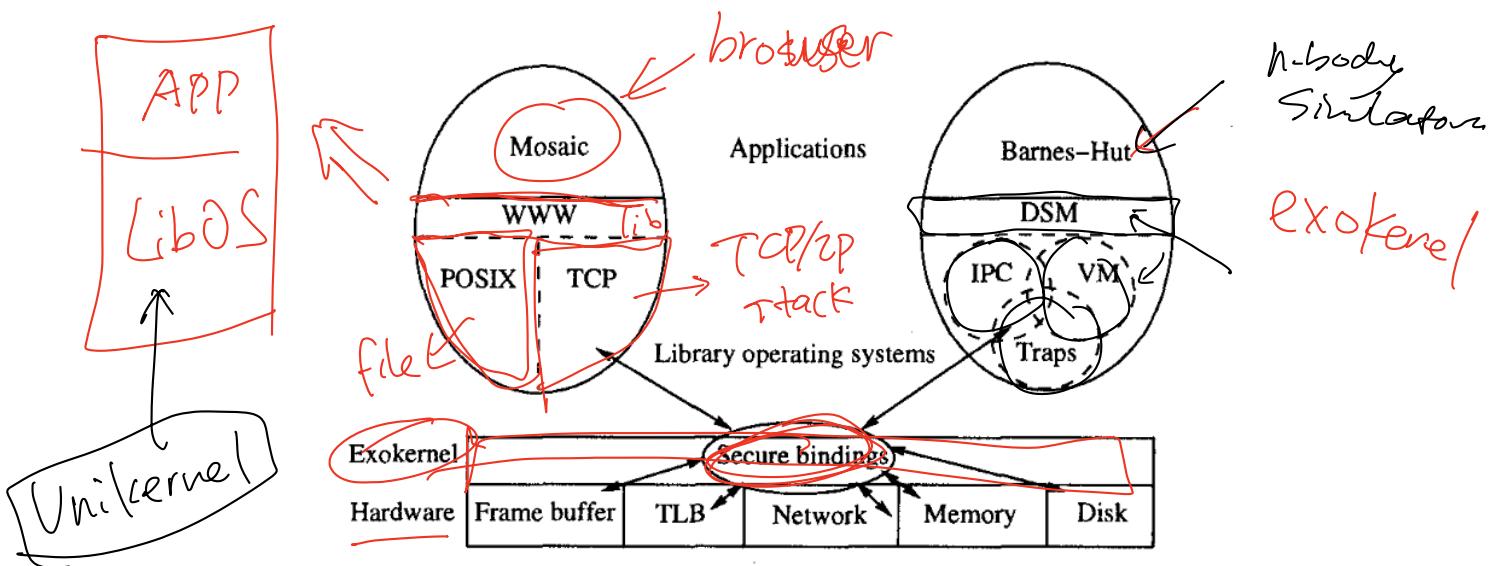


Figure 1: An example exokernel-based system consisting of a thin exokernel veneer that exports resources to library operating systems through secure bindings. Each library operating system implements its own system objects and policies. Applications link against standard libraries (e.g., WWW, POSIX, and TCP libraries for Web applications) or against specialized libraries (e.g., a distributed shared memory library for parallel applications).

DGM

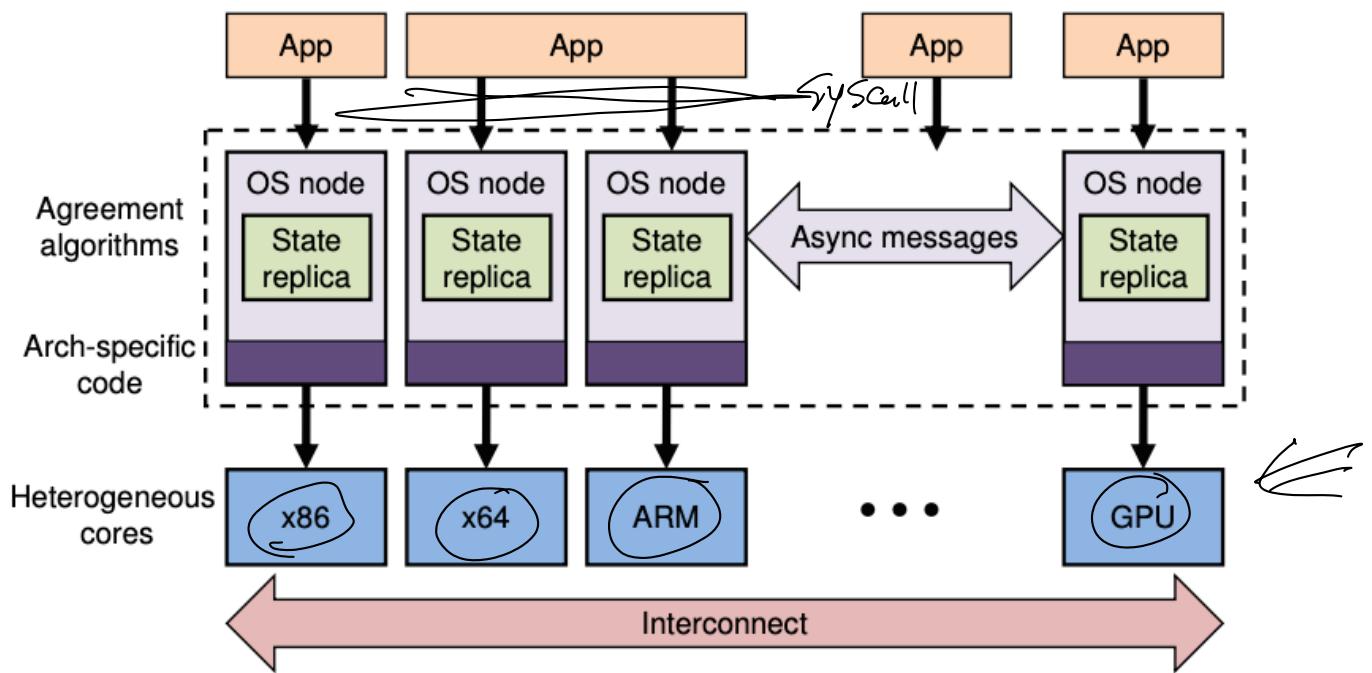


Figure 1: The multikernel model.

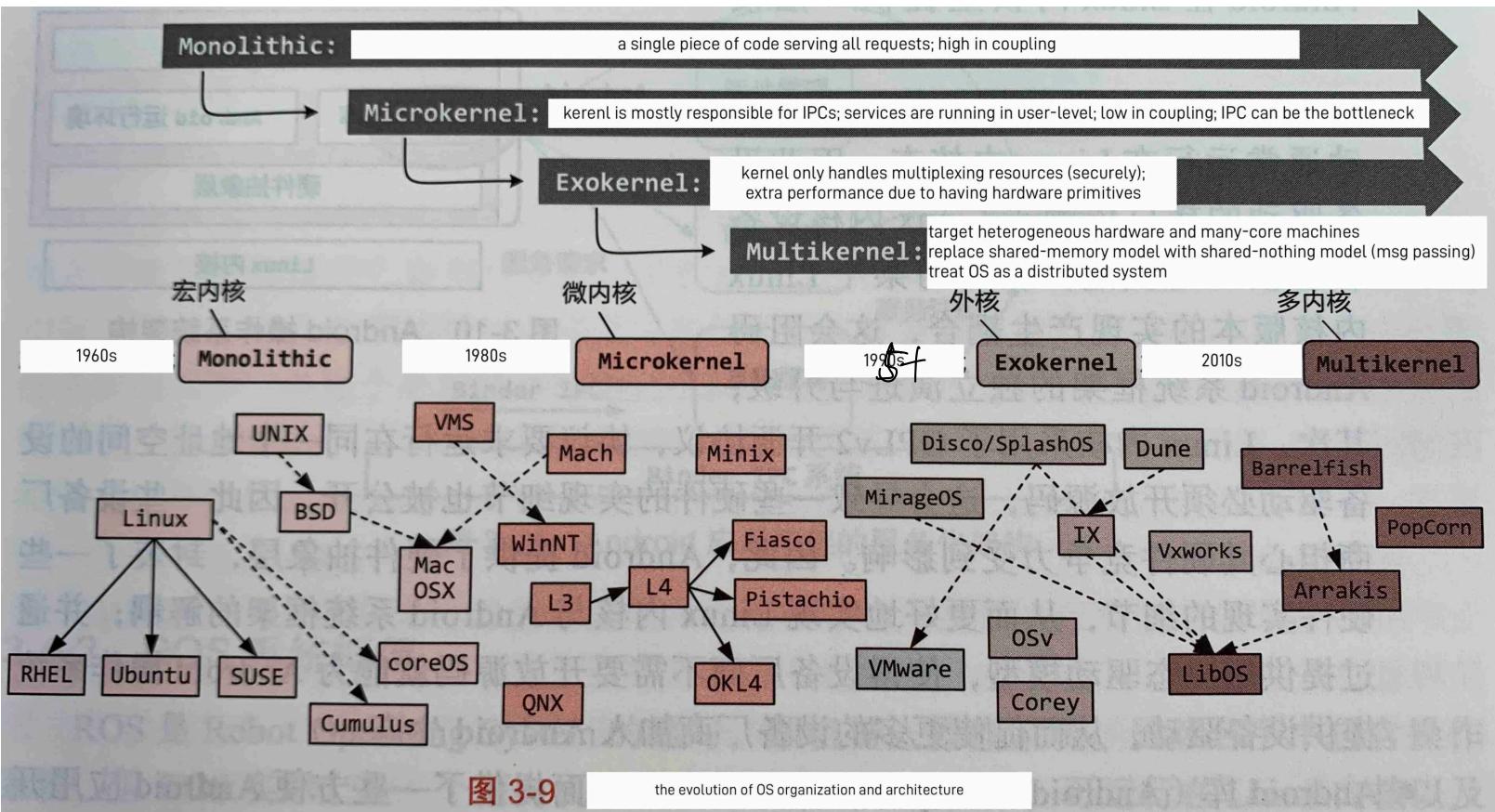


图 3-9

