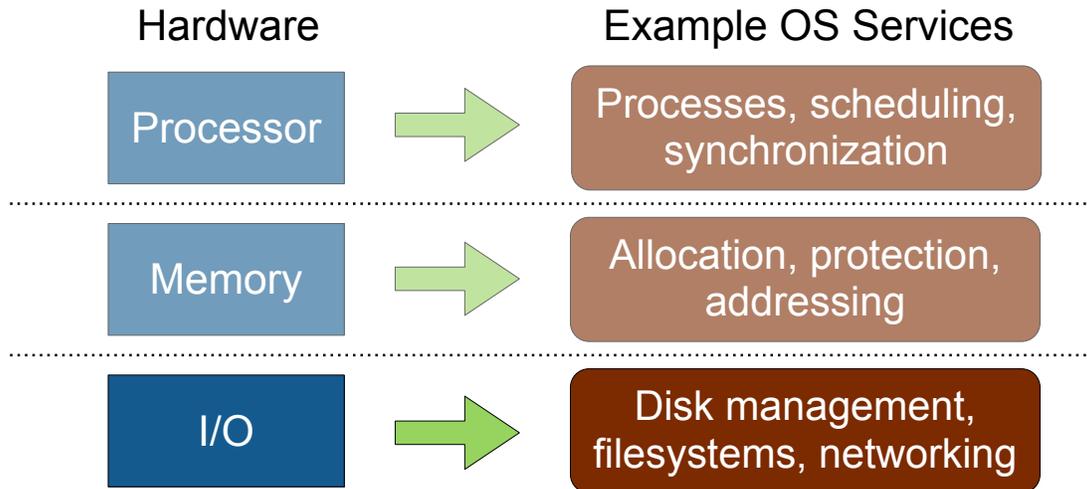


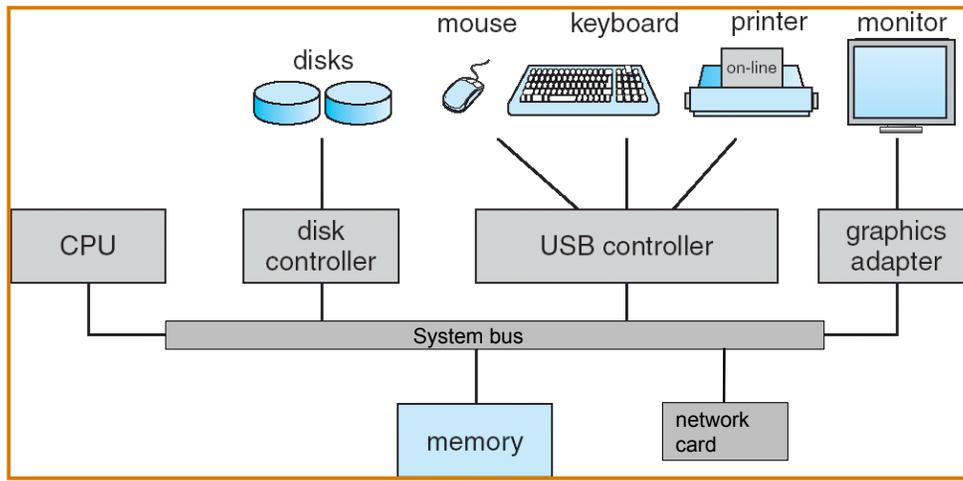
The Big Picture



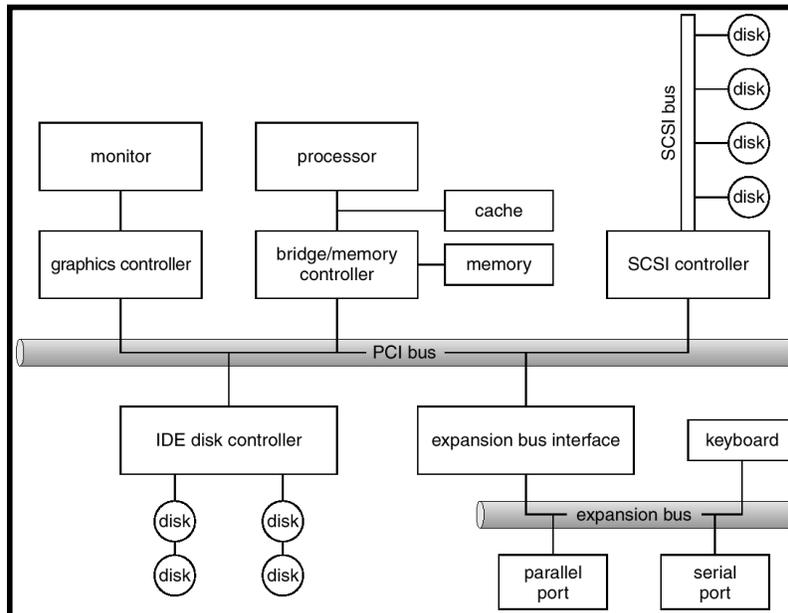
I/O Devices



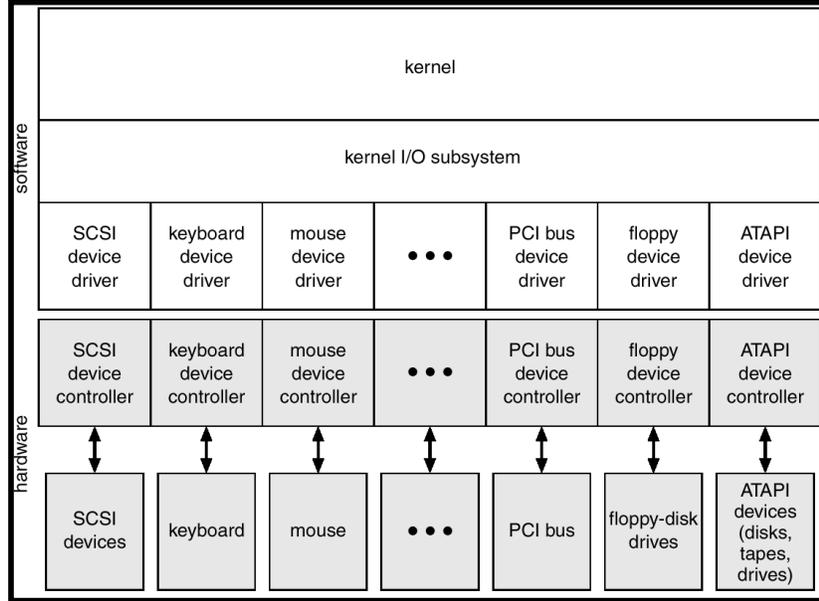
System Architecture



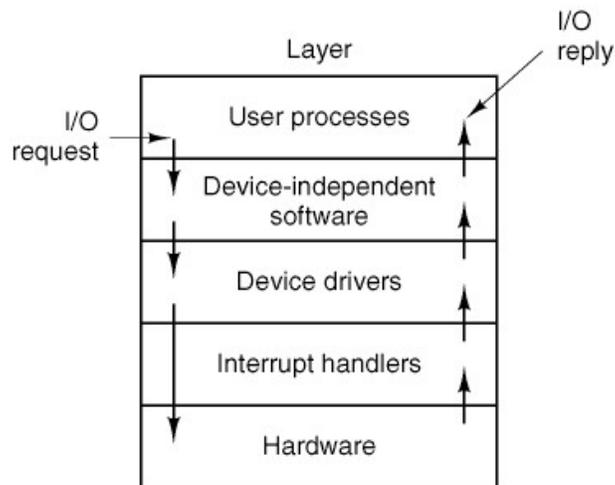
Bus Structure



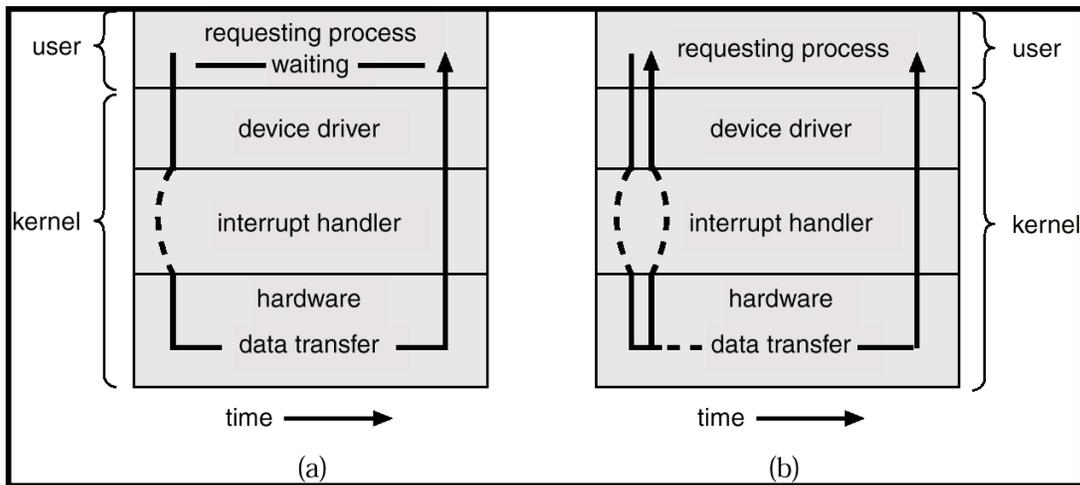
Device Drivers



I/O System Layers



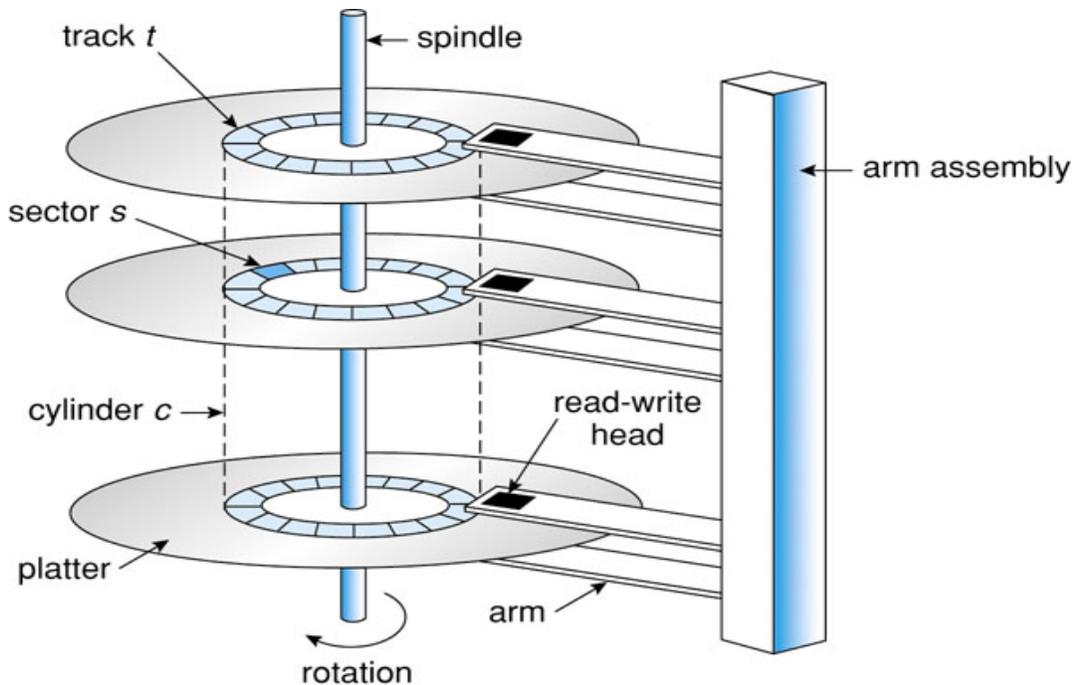
Synchronous & Asynchronous I/O



Synchronous I/O

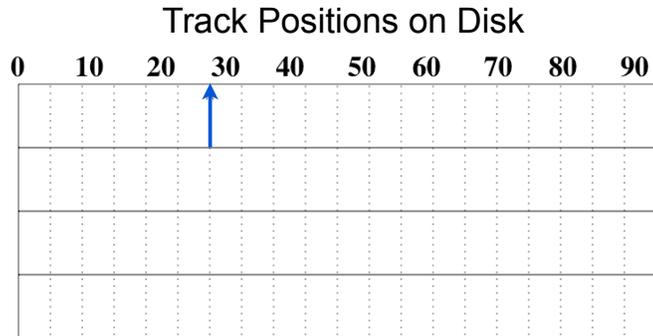
Asynchronous I/O

Magnetic Disk Structure (HDDs)



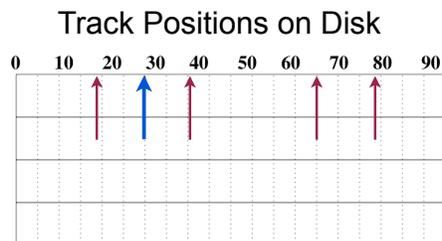
First-Come-First-Serve (FCFS)

Example requests (start at 30): 65, 40, 18, 78



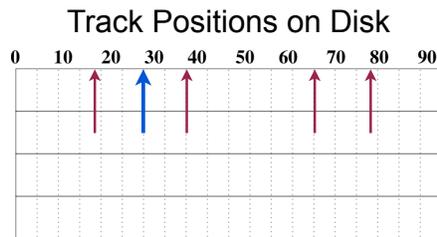
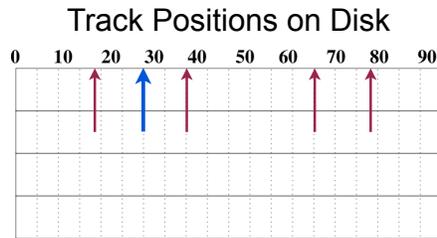
Shortest Seek Time First (SSTF)

Example requests (start at 30): 65, 40, 18, 78



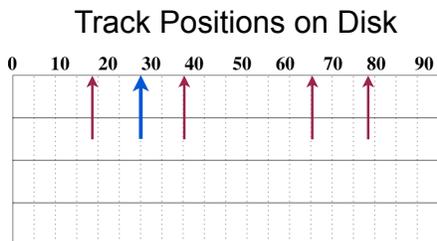
SCAN / Elevator Scheduling

Example requests (start at 30): 65, 40, 18, 78

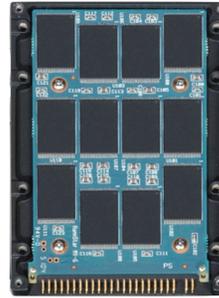


Circular SCAN (C-SCAN)

Example requests (start at 30): 65, 40, 18, 78



Solid State Drives (SSDs)



HDD

SSD

Hybrid Drives

