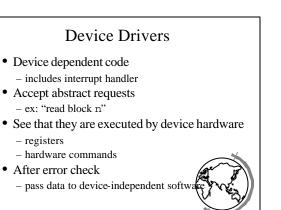




- Windows: "deferred procedure call" (DPC)
- Linux: "top-half" handler
- · Second part does most of work
- Implementation specific •
 - 3rd party vendors





Device-Independent I/O Software

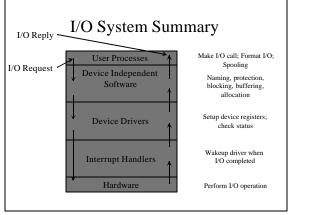
- Much driver code independent of device
- Exact boundary is system-dependent – sometimes inside for efficiency
- Perform I/O functions common to all devices
- Examples:
 - naming protection block size
 - buffering storage allocation error rep

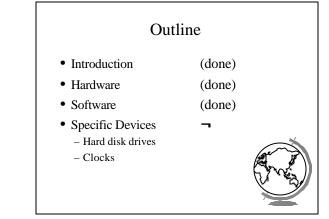


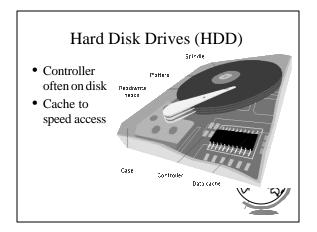
User-Space I/O Software

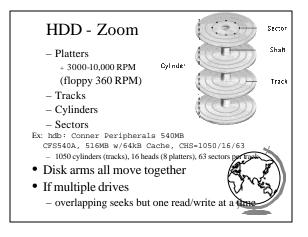
- Ex: count = write(fd, buffer, bytes);
- Put parameters in place for system call
- Can do more: formatting -printf(), gets()
- Spooling
 - spool directory, daemon
 - ex: printing, USENET

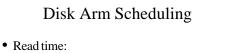












- seek time (arm to cylinder)
- rotational delay (time for sector under head)
- transfer time (take bits off disk)
- Seek time dominates
- How does disk arm scheduling affect seek



