































- Partition is large group of sectors allocated for a specific purpose
  - IDE disks limited to 4 physical partitions
  - $-\,$  logical (extended) partition inside physical partition
- Specify number of cylinders to use
- Specify type
  - magic number recognized by OS

(Hey, show example)



## File System Maintenance

- Format:
  - create file system structure: super block, I-nodes
  - format(Win), mke2fs(Linux)
- "Bad blocks"
  - most disks have some
  - scandisk(Win) or badblocks(Linux)
  - add to "bad-blocks" list (file system can ignore)
- Defragment
- arrange blocks efficiently
- Scanning (when system crashes)
  - lost+found, correcting file descriptors...