

On-Disk Structure

- **Boot control block (per partition)**: information needed to boot an OS from that partition
 - typical the first block of the partition (empty means no OS)
 - UFS (Unix File Sys.): **boot block**, NTFS: partition boot sector
- **Partition control block (per partition)**: partition details
 - details: # of blocks, block size, free-block-list, free FCB pointers, etc
 - UFS: **superblock**, NTFS: Master File Table
- **File control block (per file)**: details regarding a file
 - details: permissions, size, location of data blocks
 - UFS: **inode**, NTFS: stored in MFT (relational database)
- **Directory structure (per file system)**: organize files