**Inodes**

**A unique number associated with a file**

Also have a block number that is associated to a block group in the file system

**What’s in it?**

* Permissions
* Owner/Group ID
* File size
* No. Hard links to file
* Last time accessed
* Last time modified
* Last time Inode was modified

**What is a Directory?**

* Contains name of all files and dir under it as well as the inode numbers for each
* This is important because moving data in Linux is not a physical move
* Removes data from current directories table and adds it to the new one

**Viewing and Searching Inodes**

Ls -lai

* -I will bring up inode number for file

Find , -inum (inum) -print

* Will print the name of the file with the corresponding inum