

# Unix System Administration

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# Important Notes on Symlinks

- Work across partitions
  - Have their own INODE that points to another directory entry
  - Hard links directly reference INODEs specific to that partition
- Can point to directories
  - Hard links only link files
- Are less efficient than hard links
  - Extra de-reference to reach the actual file
- Can point to a non-existent file

# SETUID and SETGID

- SETUID – program runs as user who owns file
- SETGID – program runs as group who owns file
  - One or the other (or both) can be set
- Only works on the actual executable running
  - Doesn't work in scripts!
- Real vs Effective user/group
  - Real remains the same
  - Effective is what permissions you have