**Linux Commands**

commands

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| **Command** | **Description** | **Example** |
| Man | Read manual about other commands | Man ls  Man vim |
| Stat | Get information about a file e.g. size | Stat *filename* |
| Cd | Change directory | Cd ~ |
| *Wildcard \** | Anything before or after asterisk | \*.txt |
| *Wildcard ?* | One character to fill ? | Test?.txt (will match test1.txt, testy.txt…) |
| Find | Find *something,* e.g. filename using -name | Find /home/ -name “test.txt” |
| Ln | Links, like shortcuts in windows. 2 types: hard (ln), and soft (ln -s). hard points to data on disk, soft points to file | Ln -s *filename filenameToCreate* |
| | (pipe) | Get the output of one command and send it to another (binds commands) | Echo “hello” | wc |
| Wc | Word count – *lines, words, characters* | Wc “hello” (results in 1, 1, 5) |
| Head | Show first 10 lines in a file | Head *filename* |
| Tail | Show last 10 lines in a file | Tail *filename* |
| Tail/head -f | Use the -f flag to follow any changes | Tail -f *filename* |
| Grep | Regular expression search. Use -i flag for case insensitive search | Grep “word” *filename* |
| Env | Displays environment variables | Env |
| Which | See where something is stored | Which ls // (bin/ls)  Which php (usr/bin/php) |

Shortcuts

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| **Shortcut** | **Description** |
| Ctrl + a | Beginning of line |
| Ctrl + e | End of line |
| Ctrl + r | Search for recent command |
| Sudo -s | Stay as root user |

Linux file system

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| **Folder** | **Description** |
| Home | Users home folders |
| Root | Root home folder |
| Etc | Configuration files |
| Bin | Programs |
| Sbin | Programs |
| Lib | Libraries and shared folders |
| Dev | Represents devices on the system |
| Mnt | Local and remote filesystems |
| Media | Where removable storage is mounted |
| Sys | Virtual filesystem representing kernel values |

Working with .tar and .zip

Find system hardware and disk information

Processes

Cron jobs

Ssh (secure shell)