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| **MATT’S BASIC LINUX COMMANDS**  **HELP**  [**man** command](https://linuxconfig.org/how-to-use-man-linux-command)  [**apropos** command](https://linuxconfig.org/apropos)  **FILE NAVIGATION**  **ls -l** List Long form  **ls -a** List All including hidden  **pwd** Present working directory  **cd** Change directory  **FILES & DIRECTORIES**  **mkdir -p** Create directory & Parent  **touch** Create a new file  **cat** View file contents  **tac** Reverse file contents  **rm -r** Remove files Recursively  **mv -r** Move/Rename Recursively  **cp -r** Copy directory  **find** Search for file or directory  **COMPRESS & EXTRACT**  **tar -cf dir.tar dir** Create archive  **tar -cfz dir.tar dir** Create a gzip tar  **gzip file-name** Gzip file  **gunzip file.gz** Gunzip file  **tar -xf file-name /dir** Extract tar to /directory  **OPTIONS**:  **-c** Create **--keep-old-files**  **-x** Extract **--overwrite**  **-f** Regular file type **--append**  **-d** Directory file type **--verify**  **MISC**  **wc -l** Count the lines in a file  **sudo !!** Redo last command w/ sudo  **BASH SCRIPTS**   1. Add: #!/bin/bash #AKA *Crunch-Bang* 2. Save file: **file-**name.sh 3. Use: chmod +x file-name 4. Run: ./file-name | **FILE PERMISSIONS & OWNERSHIP**  **chmod** Change file permissions to execute  **chown** Change file owner  **chgrp** Change file grouping  **chown root /u** Change owner of /u to "root"  **chmod +x file** Make file executable  **USER MANAGEMENT**  **useradd** Adding new user  **adduser** High level Adding new user  **deluser** Delete user account  **usermod** Modify user account  **groupadd** Create new group  **delgroup** Delete group  **SYSTEM RESOURCE MANAGEMENT**  **free -m** Show memory in use  **top** List processes  **htop** A better version of top  **nice** Start a process with priority  **renice** Change ‘nice’ value  **kill -9** Terminate process  **echo $VAR** Display variable  **HARDWARE INFORMATION**  **lspci** List pci info  **cat /proc/meminfo** See RAM info  **lshw** List hardware info  **lshw -C memory -short** Detect RAM info  **hwinfo** List hardware  **lsusb** List USB devices  **lsmod** Find modules loaded  **reboot** Reboot the system  **poweroff -now** Shut down |