Ubuntu 20.04.1 LTS x86_64

- General Update / Upgrade
  - *sudo apt update*
  - *sudo apt upgrade*
  - *sudo apt install*
- Install nvidia driver
  - *sudo apt install nvidia-driver-450*
- Build essentials
  - *sudo apt-get install build-essential*
  - Then REBOOT
- Install git
  - *sudo apt install git*
- Alfa NIC Fix (Working as of v5.6.4.2)
  - <u>DO NOT REINSTALL BUILD TOOLS</u>
  - https://github.com/aircrack-ng/rtl8812au
    - *git https://github.com/aircrack-ng/rtl8812au.git*
    - Only need to do: *sudo make dkms_install*
    - Then REBOOT
- Vi fixes
  - Create / edit .vimrc:
    - *set nocompatible*
    - *set backspace=indent,eol,start*
- C++20 (gcc-10, g++-10, cpp-10) (cc and c++ automatically point to new gcc and g++) and other related GNU-10 files (Not all of the alternative updates are necessary)
  - *sudo rm /usr/bin/gcc /usr/bin/g++ /usr/bin/cpp /usr/bin/gcc-9 /usr/bin/g++-9 /usr/bin/cpp-9* /usr/bin/gcc-ar /usr/bin/gcc-ar-9 /usr/bin/gcc-nm /usr/bin/gcc-nm-9 /usr/bin/gcc-ranlib /usr/bin/gcc-ranlib-9 /usr/bin/gcov /usr/bin/gcov-9 /usr/bin/gcov-dump /usr/bin/gcov-dump-9 /usr/bin/gcov-tool /usr/bin/gcov-tool-9 /usr/bin/lto-dump /usr/bin/lto-dump-9 /usr/bin/x86_64-linux-gnu-gcc-ar /usr/bin/x86_64-linux-gnu-gcc-ar-9 /usr/bin/x86_64-linux-gnu-gcc-nm /usr/bin/x86_64-linux-gnu-gcc-nm-9 /usr/bin/x86_64-linux-gnu-gcc-ranlib /usr/bin/x86_64-linux-gnu-gcc-ranlib-9 /usr/bin/x86_64-linux-gnu-gcov /usr/bin/x86_64-linux-gnu-gcov-9 /usr/bin/x86_64-linux-gnu-gcov-dump /usr/bin/x86_64-linux-gnu-gcov-dump-9 /usr/bin/x86_64-linux-gnu-gcov-tool /usr/bin/x86_64-linux-gnu-gcov-tool-9 /usr/bin/x86_64-linux-gnu-lto-dump /usr/bin/x86_64-linux-gnu-lto-dump-9 /usr/bin/x86_64-linux-gnu-cpp /usr/bin/x86_64-linux-gnu-cpp-9 /usr/bin/x86_64-linux-gnu-g++ /usr/bin/x86_64-linux-gnu-g++-9 /usr/bin/x86_64-linux-gnu-gcc /usr/bin/x86_64-linux-gnu-gcc-9*

- - *sudo apt install gcc-10 && g++-10 && cpp-10*
  - *sudo update-alternatives --install /usr/bin/gcc gcc /usr/bin/gcc-10 1 && sudo update-alternatives --install /usr/bin/g++ g++ /usr/bin/g++-10 1 && sudo update-alternatives --install /usr/bin/cpp cpp /usr/bin/cpp-10 1 && sudo update-alternatives --install /usr/bin/gcc-ar gcc-ar /usr/bin/gcc-ar-10 1 && sudo update-alternatives --install /usr/bin/gcc-nm gcc-nm /usr/bin/gcc-nm-10 1 && sudo update-alternatives --install /usr/bin/gcc-ranlib gcc-ranlib /usr/bin/gcc-ranlib-10 1 && sudo update-alternatives --install /usr/bin/gcov gcov /usr/bin/gcov-10 1 && sudo update-alternatives --install /usr/bin/gcov-dump gcov-dump /usr/bin/gcov-dump-10 && sudo update-alternatives --install /usr/bin/gcov-tool gcov-tool /usr/bin/gcov-tool-10 1 && sudo update-alternatives --install /usr/bin/lto-dump lto-dump /usr/bin/lto-dump-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcc-ar x86_64-linux-gnu-gcc-ar /usr/bin/x86_64-linux-gnu-gcc-ar-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcc-nm x86_64-linux-gnu-gcc-nm /usr/bin/x86_64-linux-gnu-gcc-nm-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcc-ranlib x86_64-linux-gnu-gcc-ranlib /usr/bin/x86_64-linux-gnu-gcc-ranlib-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcov x86_64-linux-gnu-gcov /usr/bin/x86_64-linux-gnu-gcov-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcov-dump x86_64-linux-gnu-gcov-dump /usr/bin/x86_64-linux-gnu-gcov-dump-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcov-tool x86_64-linux-gnu-gcov-tool /usr/bin/x86_64-linux-gnu-gcov-tool-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-lto-dump x86_64-linux-gnu-lto-dump /usr/bin/x86_64-linux-gnu-lto-dump-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-cpp x86_64-linux-gnu-cpp /usr/bin/x86_64-linux-gnu-cpp-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-g++ x86_64-linux-gnu-g++ /usr/bin/x86_64-linux-gnu-g++-10 1 && sudo update-alternatives --install /usr/bin/x86_64-linux-gnu-gcc x86_64-linux-gnu-gcc /usr/bin/x86_64-linux-gnu-gcc-10 1*
  - *echo -e "\n# Make sure all C++ files are compiled in C++20\nalias g++='g++ -std=c++20'\nalias c++='g++ -std=c++20'\n" >> ~/.bashrc*
  - *source ~/.bashrc*
- Mount hard drive
  - Use built in disk tool "Disks" and hit little cogs icon and format the hard drive
  - Label as "HDD"
  - Then hit play button to mount it

- Sublime text
  - https://www.sublimetext.com/docs/3/linux_repositories.html#apt
  - Settings: Font Size - 12, Press *insert* key to stop replace mode
- Apt Installs
  - *sudo apt install neofetch sl snapd gnome-tweaks*
- Snap Installs
  - *sudo snap install vlc*
- Change wallpaper and favorite bar icons
  - Subway default wallpaper
  - Icons (Top to Bottom): Firefox, Terminal, Files, Sublime Text, Calculator, Gedit, Settings, HDD
  - Remove Desktop Trash and Home Folder: Search > Extensions > Desktop Icons (Settings) > Tick off both Trash and Home Folder (Not just all Desktop Icons so we can still add if we want)