**Install ASIO and setup $ASIO\_HOME:**

#!/bin/bash

cd ~/

sudo apt-get install autoconf libtool g++ git

if [ ! -d ~/asio ]; then

 git clone https://github.com/chriskohlhoff/asio.git

 cd asio

 git checkout -b asio asio-1-10-6

 cd ~/

 echo "export ASIO\_HOME=/home/$USER/asio/asio/include" >> .bashrc

fi

# may need to be ran outside of script to re initialise!

source ~/.bashrc

if [ -d "$ASIO\_HOME" ]; then

 echo "#################################"

 echo "ASIO HOME is:" $ASIO\_HOME

 ls -al $ASIO\_HOME

 echo "#################################"

else

 echo "ASIO home does not exist!"

 echo "May need to logout for .bashrc to initialise!"

fi

**Install OPENDNP3 with all its requirements:**

#!/bin/bash

cd ~/

if [ -d "$ASIO\_HOME" ]; then

 echo "#################################"

 echo "ASIO HOME is:" $ASIO\_HOME

 ls -al $ASIO\_HOME

 echo "#################################"

 echo "#################################"

 echo "Installing WirinPi"

 echo "#################################"

 if [ ! -d ~/wiringPi ]; then

 git clone git://git.drogon.net/wiringPi

 fi

 cd wiringPi

 git pull origin

 ./build

cd ~/

 echo "#######################################"

 echo "Installing pesco/hammer (master branch)"

 echo "#######################################"

 if [ ! -d ~/hammer ]; then

 git clone https://github.com/pesco/hammer/

 fi

 cd hammer

 sudo scons install

cd ~/

 echo "#######################################"

 echo "Installing opendnp3 2.1.0"

 echo "#######################################"

 if [ ! -d ~/dnp3 ]; then

 git clone https://github.com/jadamcrain/dnp3.git

 fi

 cd dnp3

 mkdir build; cd build

 cmake .. -DFULL=ON -DCMAKE\_INSTALL\_PREFIX=/usr

# make

# sudo make install

cd ~/

else

 echo "ASIO home does not exist!"

 echo "Install ASIO first and check ASIO\_HOME!"

 echo "May need to logout for .bashrc to initialise!"

fi