**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