**Instructions for installing GridLab on Mac**

**Step 1. Download a Linux Ubuntu environment on your Mac.**

**Method 1:**

**Using VirtualBox ( <https://www.youtube.com/watch?v=RH1alY-MX_U>)**

**(The video in the link detailedly describes the process, so I won’t be talking more about this method)**

**Method 2:**

**Use Parallel Desktop (same function as VirtualBox, but faster)**

**step 1: Download Parallel Desktop for Mac**

**step 2: Download Ubuntu ISO from (<https://ubuntu.com/download/desktop>)**

**step 3: Install Parallel Desktop and run Linux Ubuntus on parallel (Instruction:<https://jingyan.baidu.com/album/4dc408486893e4c8d946f105.html?picindex=1>)**

**Step 2: After the Linux Ubuntu environment is set, copying the following code below in your ubuntu terminal (Line by line)**

sudo apt-get install automake autoconf libtool curl subversion build-essential libxerces-c-dev cmake -y

# careful use of opt directory to maintain ownership by ubuntu:ubuntu and not root

cd $HOME/Downloads/

git clone https://github.com/gridlab-d/gridlab-d.git gridlab-d-code

sudo mv gridlab-d-code /opt

cd /opt/gridlab-d-code

# September 5 2018 commit was found to work fine with GitHub commit ID: 75b40d9e8d9b77507a5055b62e4c221d132f6c79

# You could try later version too to see if a newer version compiles fine as well

#git checkout develop

git checkout 75b40d9e8d9b77507a5055b62e4c221d132f6c79

sudo mkdir -p /usr/local/gridlab-d

autoreconf -isf

./configure --enable-silent-rules 'CFLAGS=-g -O0 -w' 'CXXFLAGS=-g -O0 -w' 'LDFLAGS=-g -O0 -w'

make && sudo make install

gridlabd —-version

gridlabd —-validate