sudo apt-get install tortoisehg

sudo apt-get install python-pip python-dev

sudo apt-get install virtualenv # install virtualenv

virtualenv --system-site-packages ~/tensorflow # create virtualenv

source ~/tensorflow/bin/activate

pip install --upgrade tensorflow-gpu # install tensorflow

sudo pip install --upgrade pip

sudo pip install cython easydict

sudo pip install opencv-python

sudo apt-get install git

sudo pip install --upgrade cython

sudo pip install scipy

sudo pip install matplotlib

sudo apt-get install python-tk

pip install pyyaml

sudo pip install image

mkdir ~/Projects

cd Projects

git clone --recursive <https://github.com/smallcorgi/Faster-RCNN_TF.git>

- add -D\_GLIBCXX\_USE\_CXX11\_ABI=0 to g++ cmd in make.sh

Build the cyto modules

cd $FCRN\_ROOT/lib

make

source ~/tensorflow27/bin/activate

Running tensorboard :

source ~/tensorflow/bin/activate

(tensorflow) hanochk@inv-lgc02:/usr/local/cuda/lib64$ tensorboard --logdir='/home/hanochk/Projects/fasterrcnn/log/'

Read output

for tensor:

bbox\_pred\_mean\_t = sess.run(net.bbox\_pred\_means,feed\_dict=feed\_dict)

For layer

bbox\_pred\_denorm\_t = sess.run(net.\_predictions['bbox\_pred\_denorm'],feed\_dict=feed\_dict)

In the Pychram env:

LD\_LIBRARY\_PATH

usr/local/cuda/lib64;/usr/local/cuda-8.0/extras/CUPTI/lib64

