For some reason I can access the jupyter server with this:

docker run -it -p 8888:8888 -v /mnt/c/Users/ben01/Documents/GitHub/School/PYNQ/mounted\_volume:/workspace/mounted\_drive xilinx/vitis-ai:2.5.0

docker run -it -p 8888:8888 -v \\wsl.localhost\Ubuntu\home\ben01 :/workspace/mounted\_drive xilinx/vitis-ai:2.5.0

But not this:

./docker\_run.sh -p 8888:8888 -v /mnt/c/Users/ben01/Documents/GitHub/School/PYNQ/mounted\_volume:/workspace/mounted\_drive xilinx/vitis-ai:2.5.0

Upon further inspection, the ./docker\_run.sh script does not handle -p 8888:8888. So the jupyter port is never mapped out of WSL.

* -it makes docker interactive
* -p opens port 8888 to the rest of the machine so you can access Jupyter
* -v adds a volume from your machine that the docker can access
  + Before : - volume to map
  + After : - target directory name in docker

conda activate vitis-ai-tensorflow2

jupyter notebook --ip=0.0.0.0 --no-browser --allow-root

Conversion:

Include model in .pb form in your mounted volume.

Call pb-2-h5.py, passing in the .pb file. Output directory can be specified with -o.

* python ~/mounted\_volume/pb-2-h5-keras.py ~/tmp/centernet\_hg104\_512x512\_kpts\_coco17\_tpu-32/saved\_model/

Id make a tmp folder in the /home/vitis-ai-user/ directory

If necessary extract with tar -xvzf “.tar.gz model” -C ~/tmp/

Ls