**Build CIP**

1. git clone <https://github.com/acil-bwh/ChestImagingPlatform.git> CIP
2. cd CIP
3. git checkout develop
4. cd ..
5. Cmake CIP
6. Make
7. <http://stackoverflow.com/questions/28761702/getting-error-glintptr-has-not-been-declared-when-building-vtk-on-linux>
8. **Data location: /pylon2/ms4s88p/jms565/projects/KaggleLungCancer**
9. Do this example
   1. [ChestImagingPlatform](https://github.com/acil-bwh/ChestImagingPlatform/tree/develop)/[cip\_python](https://github.com/acil-bwh/ChestImagingPlatform/tree/develop/cip_python)/[segmentation](https://github.com/acil-bwh/ChestImagingPlatform/tree/develop/cip_python/segmentation)/[tests](https://github.com/acil-bwh/ChestImagingPlatform/tree/develop/cip_python/segmentation/tests)/**test\_grid\_segmenter.py**
10. To do this example we need this working
    1. From python
    2. Import cip\_python
11. Process
    1. Copy
       1. Destination: /home/singla/anaconda2/lib/python2.7/site-packages
       2. Source: /pylon1/ms4s88p/singla/CIPBuild/CIP-build/cip\_python
    2. Copy
       1. Destination: /home/singla/anaconda2/lib/python2.7/site-packages
       2. Source: /pylon1/ms4s88p/singla/CIPBuild/CIP-build/Resources
    3. Pip install dicom
    4. Pip install pynrrd
    5. Pip install pydicom
    6. Error “no module name vtk”
    7. Go to: /pylon1/ms4s88p/singla/CIPBuild/VTKv7-build
       1. Check install path in cmake file
       2. Make install
       3. Re configure VTKv7 to build python wrapping
       4. VTK\_WRAP\_PYTHON = On
       5. Install path: /home/singla/CIP\_Install
       6. Installing: /home/singla/CIP\_Install/bin/vtkpython
       7. vi ~/.bashrc
       8. export PYTHONPATH=/home/singla/CIP\_Install/bin: /home/singla/CIP\_Install/lib/python2.7/site-packages:$PYTHONPATH
    8. **Pip install nipype**
    9. We are done