**Installing MPI4py**

Also see <http://mpi4py.readthedocs.io/en/stable/install.html>

Install Open MPI.

The system should have Python

If you need to install Python packages, you need pip

>>sudo apt-get update && sudo apt-get upgrade

>>sudo apt-get install python-pip

An example is:

>>pip install numpy

Download an MPI4py distribution from <https://bitbucket.org/mpi4py/mpi4py/downloads/> like 3.0.0 with:

>>wget <https://bitbucket.org/mpi4py/mpi4py/downloads/mpi4py-3.0.0.tar.gz>

>>tar -zxf mpi4py-3.0.0.tar.gz

Build MPI4py by giving the installation path of mpicc. Also, “--configure” is doing some extensive tests.

>>cd mpi4py-3.0.0

>>python setup.py build --mpicc=/usr/local/bin/mpicc --configure

>>python setup.py install --user

Test Hello World by

>>cd ~/mpi4py-3.0.0/demo

>>mpirun -mca btl ^openib -n 2 --hostfile /etc/openmpi/openmpi-default-hostfile python2 helloworld.py