

INSTALLING PYTHON

ALL-IN-ONE PACKAGE

- Most of modern OSs come with python already installed, but some libraries may be out of date.
- Ureka was a very powerful package to install python + libraries for astronomers. It was developed by STSCI.
- STSCI has now choose Anaconda as the python distribution, with a dedicated environment (e.g. for pyraf).
- The Anaconda distribution already comes with almost all the libraries one need.
- astroconda is a conda environment including some STSCI packages.
- IRAF and pyRAF must be installed additionally.

ANACONDA

- Download from the anaconda web site:
 - <https://www.continuum.io/downloads>
- or from the IA-UNAM ftp site:
 - ftp://132.248.1.83/temporal/morisset/Anaconda2-4.1.1-Linux-x86_64.sh
 - ftp://132.248.1.83/temporal/morisset/Anaconda2-4.1.1-MacOSX-x86_64.sh
- execute the following:
 - `bash Anaconda2-4.1.1-XXX.sh`

AFTER INSTALLING

- If you are using a csh based shell, you need to add the following in your resource file (\$HOME/.tcshrc for example):
 - `setenv PATH $HOME/anaconda/bin:$PATH`
- If you are using a bash shell, you need to add the following to your .bashrc:
 - `export PATH=$HOME/anaconda/bin:$PATH`

TEST INSTALLATION

- from a NEW terminal (for the PATH to be updated):
 - `python`
 - `ipython`
- Once in ipython:
 - `import numpy as np`
 - `import matplotlib.pyplot as plt`
 - `plt.ion()`
 - `plt.plot(np.arange(10)**2)`