

Installing packages via pip:

-pip is the easiest way and most reliable way to install python modules

-Note: these examples are done with python2.7.16, the latest 2.7 release is now 2.7.18. Does not make much difference...

-**Open a command prompt in admin mode:** Start menu, type **cmd**, right click on cmd.exe and choose **Run as administrator**;

-Then go to the Scripts directory of python2.7:

```
C:\WINDOWS\system32>cd \python27\Scripts
```

-Now check if the version of pip is correct, it must be python 2.7

```
C:\Python27\Scripts>pip -V (or pip --Version).  
pip 18.1 from c:\python27\lib\site-packages\pip (python 2.7)
```

-Then install or upgrade wxpython, pywin32, six and future:

NOTE: the special option of wxpython:

```
C:\Python27\Scripts>pip install wxpython==4.0.3  
C:\Python27\Scripts>pip install pywin32  
C:\Python27\Scripts>pip install six  
C:\Python27\Scripts>pip install future
```

-You can check the version of your wxpython version, by starting a python2 session

```
C:\Python27\Scripts>..\python.exe  
Python 2.7.16 (...)  
Type "help" (...)  
>>> import wx  
>>> wx.version()  
u'4.0.6 (...)  
>>> (press ctrl+Z and enter to quit the python session
```

When your version is above 4.0.3, you should uninstall the previous installed wxpython:

```
C:\Python27\Scripts>pip uninstall wxpython  
and then install wxpython as shown above.
```

-It does not harm when you repeat a pip install command, in order to check if the package is installed.

Upgrade pip

-Sometimes you are notified, you should consider to upgrade pip

-Just typing what is suggested does not work:

```
C:\Python27\Scripts>python -m pip install --upgrade pip
'python' is not recognized as an internal or external command,
operable program or batch file.
```

-If you type `..\` in front of the command, it works:

```
C:\Python27\Scripts>..\python -m pip install --upgrade pip
Collecting pip
  Downloading
https://files.pythonhosted.org/packages/d7/41/34dd96bd33958e52cb4da2f1bf0818e39651
4fd4f4725a79199564cd0c20/pip-19.0.2-py2.py3-none-any.whl (1.4MB)
  100% |#####| 1.4MB 3.8MB/s
Installing collected packages: pip
  Found existing installation: pip 18.1
```

Upgrade packages

You can upgrade any of the above packages to the latest release:

```
C:\Python27\Scripts>pip install --upgrade six
DEPRECATION: Python 2.7 will reach the end of its life on January 1st, 2020. Please upgrade
your Python as Python 2.7 won't be maintained after that date. A future version of pip will
drop support for Python 2.7.
```

```
Collecting six
  Downloading
https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238ce23f502a721c
0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl
Installing collected packages: six
  Found existing installation: six 1.11.0
  Uninstalling six-1.11.0:
    Successfully uninstalled six-1.11.0
  Successfully installed six-1.12.0
```

Note: Python2.7 will not be maintained after January 1st 2020. Work for the Natlink developers to bring Natlink to Python 3!