

PyDev Setup in Eclipse (Luna) on Windows 8

This tutorial assumes that Eclipse IDE (Luna) and java (Version: 1.7) have already been downloaded and installed on the system.

1. Download python from the following website:
 - Python v3.4: <https://www.python.org/downloads/release/python-343/>
2. Download PyQt with Qt Designer (get Binary Package) from:
 - <http://www.riverbankcomputing.co.uk/.../pyqt/download>
3. Pydev install (You have to download PyDev inside Eclipse):
 - Use the “Installing with the update site” procedure as discussed on this website: http://pydev.org/manual_101_install.html
4. PyDev (code completion for PyQt using Pydev):
 - Setup code completion in Eclipse for PyDev following the procedure at the following link: <http://www.saltycrane.com/blog/2007/...tion-for-pyqt/>
5. PyQtGraph: <http://www.pyqtgraph.org/>
 - Use the windows installer to install pyqtgraph
6. NumPy: <http://www.lfd.uci.edu/~gohlke/pythonlibs/#numpy>
 - Download the whl file.
 - Download pip. Download the script to install pip from: <https://bootstrap.pypa.io/get-pip.py>
 - Run the script by typing get-pip.py
 - This should install pip.exe, pip3.exe, and pip3.4.exe in the Python34/Scripts folder
 - Rename the file to **numpy-1.9.1%2Bmkl-cp34-none-win32.whl** to install it.
(In this case pip is incorrectly detecting your operating system to be 32-bits and the file you're trying to install was **win_amd64** in its filename. If you rename the file to **numpy-1.9.1%2Bmkl-cp34-none-win32.whl** (which now contains the tags that are considered supported) then you can install the package. It's a trick because the file is still built for 64-bits but this allows you to install the package as intended.)
 - Now run:
`pip3.4.exe install numpy-1.9.2+mkl-cp34-none-win32.whl`
7. Pyserial:
 - use the following command:
“pip3.exe install pyserial”

Source (PyDev steps): <http://aeroquad.com/printthread.php?t=6854&pp=40>

Source (numpy): <http://demoscripts.info/28107123/cannot-install-numpy-from-wheel-format.html>