List of packages involved in the MPL build

* PyInstaller
* PyWin32 (PyInstaller)
* NumPy
* MPL
* Six (MPL)
* Python-Dateutil (MPL)
* PyParsing (MPL)
* Pillow

Build Process

1. Install Python 2.7.8 from Python.org. De-select all optional features, including Tcl/Tk.
2. Install pip via get-pip.py.
3. Install PyWin32. Go to site-packages and delete the APO and IS modules, which are LGPL.
4. Install pyparsing and dateutil via pip
5. Install Pillow
6. Install NumPy 1.7.1 SSE2, by extracting the SSE2 installer from the main NumPy superpack using 7-zip.
7. Install PyInstaller using pip
8. Download Matplotlib 1.3.1 source and unpack
9. Edit setup.cfg to disable all backends except Agg
10. Use git to check out matplotlib-winbuild
11. Edit matplotlib-winbuild buildall.py to disable Tcl/Tk, and manually create a “build” folder
12. Edit matplotlib-winbuild buildall.py to set the default build command to “bdist\_wininst”
13. Run buildall.py
14. Install Matplotlib via the exe created in dist
15. Run “pip freeze > requirements.txt”, then open and edit out NumPy, MPL, and PyWin32

Build Output Files

1. The NumPy 1.7.1 SSE2 installer
2. The PyWin32 installer
3. The custom Matplotlib installer
4. The edited requirements.txt file

Install Process on Target

1. Install Python 2.7.8, de-selecting all optional features including Tcl/Tk
2. Install NumPy using the SSE2 installer above
3. Install PyWin32 using the installer above, and delete the APO/IS folders in site-packages
4. Install pip using get-pip
5. Install all dependencies via the requirements.txt file
6. Install MPL using the custom installer above
7. Run “pip freeze” and remove any unneeded packages that crept in (e.g. tornado)