PyCSW Installation Instructions

for Python 3.5

Before starting, these steps only work with Python 3.5 32-bit.

1. Open command-prompt and enter cd C:\pycsw-2.2.0 (or wherever PyCSW was unzipped).
2. Verify that the “geos-3.3.3” is included in the PyCSW folder (NOTE: this folder does not come with the PyCSW zip file). If the folder does not exist:
   1. Download <http://download.osgeo.org/geos/geos-3.3.3.tar.bz2> and extract it into the PyCSW folder.
   2. Open Visual Studio Community’s command-prompt and enter cd C:\pycsw-2.2.0\geos-3.3.3
   3. Enter nmake /f makefile.vc
3. Add an environment variable called GEOS\_LIBRARY\_PATH with a value of “C:\pycsw-2.2.0\geos-3.3.3\src\geos.dll”
4. Enter C:\Python35\python setup.py build into the command-prompt or enter the proper location of the Python 3.5 32-bit install (NOTE: if the path of Python is in the PATH environment variable, the Python path is not needed in the command).
5. Enter C:\Python35\python setup.py install
6. If an error occurs while installing pyproj:
   1. Download Visual C++ Build Tools 2015 at <http://go.microsoft.com/fwlink/?LinkId=691126> (even if Visual Studio Community edition is installed).
   2. Add this to your PATH environment variables: “C:\Program Files (x86)\Windows Kits\10\bin\x64”
   3. Copy these files rc.exe & rcdll.dll from C:\Program Files (x86)\Windows Kits\8.1\bin\x86to C:\Program Files (x86)\Microsoft Visual Studio 14.0\VC\bin
   4. Reopen command prompt and run C:\Python35\python setup.py install
7. If an error occurs while installing lxml:

Install Shapely and lxml

When installing manually remove from requirements.txt

Create GEOS\_LIBRARY\_PATH point to GEOS folder in pycsw

In python create the following directory:

C:\Python-35\Library\lib\

Place the geos\_c.dll and geos.dll file in directory.