

# eFarms- Environment Setup

## 1) Code Base (VCS)

- Install CVS / WinCVS
- Request CVS user account and access to **AG\_SADCeFarms** repository
- CVS icons may not work properly once installed due to windows registry limit. A helpful guide to fixing this issue: <http://stackoverflow.com/questions/1057734/tortoisesvn-icons-not-showing-up-under-windows-7>
- Create a directory **C:/opt/webdocs** and checkout repository to this directory. Instructions on how to connect to OIT CVS will be emailed by staff.

## 2) OGIS\_Python

- Checkout the **OGIS\_Python** repository into directly into your python site-packages directory
- The OGIS\_Python repository has modules to support common OGIS python tasks, such as sending email and interacting with ArcGIS services

## 3) Oracle Setup

- Install the 32 & 64 Oracle 12c instant client folders to a directory such as **C:/Oracle** or similar (The instant clients can be found in [\\blackriver.oit.state.nj.us\Staff\software\\_and\\_tools\Oracle](http://blackriver.oit.state.nj.us/Staff/software_and_tools/Oracle) )
- Update your system variables:
  - Add the following to your PATH - **C:\Oracle\instantclient\_12x64;C:\Oracle\instantclient\_12x32;**
  - Create a new variable called TNS\_ADMIN and add the path to your Oracle instant client 32, such as- **C:\Oracle\instantclient\_12x32;**
- Install cx\_Oracle
  - [https://pypi.python.org/pypi/cx\\_Oracle/5.2](https://pypi.python.org/pypi/cx_Oracle/5.2)
  - [cx\\_Oracle-5.2-12c.win32-py2.7.exe](#) (md5)
  - Oracle 12c
  - Run the installer. Import cx\_Oracle to make sure that it works

## 4) Install other main 3<sup>rd</sup> party Python modules

Install pip

Install virtualenv

```
pip install virtualenv (from powershell)
pip install virtualenvwrapper-powershell
```

- Install pycrypto
  - Download the exe for Pycrypto 2.6 for Python 2.7 from <http://www.voidspace.org.uk/python/modules.shtml#pycrypto>
  - (.exe is stored in this directory)