**Title: Setting Up HydroShare Client**

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**OS: Ubuntu 16.10**

**Setup:**

To get started you will need to have a virtual machine with minimal resources and have an Internet connection. If you don’t know how to setup a virtual machine then look at my document for creating a virtual machine for your specific needs. We will be creating a python environment and installing the HydorShare Client in it.

**Part 1:**

* Type: sudo apt-get update
* Type: sudo apt-get –y upgrade
* Type: sudo apt-get install –y python3-pip
* Type: sudo apt-get install build-essential libssl-dev libffi-dev-python-dev
* Type: sudo apt-get install python3-venv
* Type: cd ~
* Type: mkdir environments
* Type: python3 -m vent my\_env
* Type: cd ~/environments/my\_env
* Type: source my\_env/bin/activate
* Type: git clone <https://www.github.com/hydroshare/hs_restclient.git>
* Type: cd hydroshare
* Type: python setup.py develop

**Part 2:**

* Use the following website to be able to connect to a hydroshare server and pull resources. Pick the correct one that best fits your application.
  + <http://hs-restclient.readthedocs.io/en/latest/#usage>
* The best way to test if one of these functions are working is to install ipython in you environment.

**URLs:**

URLs:

* <http://hs-restclient.readthedocs.io/en/latest/#usage>
* <https://www.digitalocean.com/community/tutorials/how-to-install-python-3-and-set-up-a-local-programming-environment-on-ubuntu-16-04>
* <https://github.com/hydroshare/hydroshare-demo-auth/blob/master/README.md>