

pyxnat on AWS NITRC CE

This document shows how to get the [HCP-customized pyxnat](#) running on [Amazon EC2](#), using a [NITRC-CE AMI](#). (That's a lot of [TLAs](#) in one sentence; if you have no idea what this is all about, you might start [here](#).)

1. Get your instance running on EC2 and log in. I recommend the [NITRC-CE AMI](#), although if you have some reason not to use it (Ubuntu-hater?), I've done all this on a vanilla Amazon Linux AMI and it wasn't that much harder. This is a complicated step, at least if you've never used AWS, and I'm not going to document it in detail (yet) because I'm not convinced I completely understand what I did. For now, I'll just offer encouragement: I got one running, you can do it too.

2. Install the non-Python dependencies.

```
ubuntu@ip-w-x-y-z:~$ sudo apt-get install libxml2-dev libxslt-dev
```

3. Install virtualenv.

```
ubuntu@ip-w-x-y-z:~$ sudo pip install virtualenv
```

4. Source the virtual environment's activate script; you'll need to do this for any shell where you're using this virtual environment.

```
ubuntu@ip-w-x-y-z:~$ . pyxnat-env/bin/activate
(pyxnat-env)ubuntu@ip-w-x-y-z:~$
```

Note that your shell prompt now includes the name of the virtual environment (pyxnat-env).

5. Install pyxnat (with its dependencies) into the virtual environment.

```
(pyxnat-env)ubuntu@ip-w-x-y-z:~$ pip install git+git://github.com/Human-Connectome-Project/pyxnat@hcp-  
db#egg=pyxnat
```