How to install a Python module into your own environment on SEAS clusters

Note: The documentation as it pertains to SEAS Compute clusters (such as HPC) is not relevant anymore. However, the actual code might still be relevant.

We often receive requests for new software packages to be installed for special projects. In the case of python, this can be easily accomplished via the "virtualenv" tool. This can be setup on top of any suitable python distribution (generally 2.7 and above). Please visit:


for more information. Below, you will find some information in our cluster setup that is no longer being supported.

Legacy Documentation: We have added the "virtualenv" to the EPD module. EPD is an installation of Python 2.7 for our environment, and one loads it by running:

```bash
$ module load packages/epd/7.1-2
```

For some users, this will be done already, but it never hurts to re-load the same module twice.

Once the EPD module is loaded, you can:

- Create a new virtual environment:
  ```bash
  $ virtualenv ~/myproject
  ```

- Activate the virtual environment
  ```bash
  $ . ~/myproject/bin/activate
  ```

- Install Python packages:
  ```bash
  (myproject)$ easy_install somepackage
  ```

You can read more about virtualenv here:

http://pypi.python.org/pypi/virtualenv