

Set Up A Wrapper For Venv Environments

To maintain more than one python project at a time we leverage the builtin python venv tool for creating and using virtual environments.

The venvwrapper package helps to keep the maintenance of multiple virtual environments easier. In short venv is enough, but venvwrapper makes it easier.

Installation

Install the venvwrapper package into your default system Python 3. That is, with no virtual environment active. This installs *venvwrapper.sh* so that it is available in PATH

```
sudo pip3 install --break-system-packages venvwrapper
```

Check that it is indeed available

```
which venvwrapper.sh
```

Set up automatic activation of venvwrapper

Add the code snippet below to one or both of these two files.

```
${HOME}/.bashrc  
${HOME}/.profile
```

Code snippet:

```
VENV_HOME=${HOME}/.venv  
venv_wrapper=$(which venvwrapper.sh)  
if [[ -n ${venv_wrapper} ]]; then  
    source ${venv_wrapper}  
fi
```

Now Once you open a terminal window you have access to these commands

```
mkvenv devpi # create and activate a new virtual environment  
venv devpi # activate an existing virtual environment  
rmvenv devpi # remove one or more virtual environments  
lsvenv # list existing virtual environments
```