

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
```