

### Installation using setuptools and pip

Install Easy Setup `wget https://bootstrap.pypa.io/ez_setup.py -O - | sudo python`

or `wget https://bootstrap.pypa.io/ez_setup.py -O - | sudo python3`

Install PIP `sudo easy_install pip`

Turn on bash autocompletion for pip `pip completion --bash >> ~/.bashrc`

Enable bash pip completion `source ~/.bashrc`

If you don't want to touch system files or you don't have root, please see <http://stackoverflow.com/questions/4324558/whats-the-proper-way-to-install-pip-virtualenv-and-distribute-for-python>

### install virtualenv and virtualenvwrapper

```
sudo pip install virtualenv
sudo pip install virtualenvwrapper
```

### Setup virtualenv

```
export WORKON_HOME=~/.virtualenvs
mkdir $WORKON_HOME
echo " export WORKON_HOME= $WORKON_HOME " >>
~/.bashrc
```

### Setup virtualenvwrapper

```
echo "source /usr/local/bin/virtualenvwrapper.sh"
>> ~/.bashrc
echo " export PIP_VIRTUAL_ENV_BASE=$WORKON_HOME " >>
~/.bashrc
source ~/.bashrc
```

### Use Virtualenv

Create blank env `mkvirtualenv <virtual-environment-name> --no-site-packages`

Switch env `workon <virtual-environment-name>`

Leave Virtual env `deactivate`

Manually switch env `<vm-folder>/bin/source activate`

Remove Env `rmvirtualenv <virtual-environment>`



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