Make Your Life Easier with Virtualenvwrapper



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Overview



Virtualenvwrapper

- A user-friendly wrapper around virtualeny
- Easy creation and activation
- Bind projects to virtualenvs
- Great with large numbers of projects



Demo



Installing virtualenvwrapper

- On Linux and Mac OS
- Windows: virtualenvwrapper-win



Demo



Using Virtualenvwrapper

- Activating a project
- Switching projects
- Creating projects
- Removing projects
- Linking projects with virtualenvs



Installing virtualenvwrapper on Mac/Linux

```
# Install outside a virtual environment
python -m pip install -user virtualenvwrapper
```



Setup virtualenvwrapper on Mac/Linux

```
# Check location of virtualenvwrapper.sh and python
# Using 'which'
export VIRTUALENVWRAPPER_PYTHON="path/to/python"
source /usr/local/bin/virtualenvwrapper.sh
# After: restart shell
# Default location for envs: ~/.virtualenvs
```

Edit .profile



Installing virtualenvwrapper on Windows

```
pip install virtualenvwrapper-win
# No extra setup needed
# Default location for envs:
# %USERPROFILE%\Envs
```



Virtualenvwrapper Commands

List environments
workon

Activate environment, switch to project
workon projectname

Deactivate environment
deactivate



Virtualenvwrapper Commands: Projects

```
# Create a project and a virtualenv and bind them
mkproject new_proj
mkproject -p python3 new_proj
# Bind an existing project to a virtualenv
# Binds active venv to current working dir
setvirtualenvproject
```



Virtualenvwrapper Commands: venvs

```
# Create a virtualenv
mkvirtualenv new_env

# Remove a virtualenv
rmvirtualenv some_env
```

Create a temporary virtual environment mktmpenv



```
export WORKON_HOME="/home/rj/envs" # Optional
export PROJECT_HOME="/home/rj/dev" # Needed for mkproject
```

Configuration

Configure location of venvs and projects

By setting environment variables in .profile

Windows: set up variables in Advanced System Settings



Summary



Virtualenvwrapper

- Project creation
- Project switching
- Configuration

