

Make Your Life Easier with Virtualenvwrapper



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Overview



Virtualenvwrapper

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



Demo

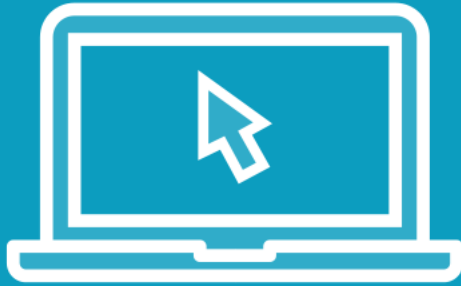


Installing virtualenvwrapper

- 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

```
# Global install: use sudo if necessary
```

```
pip install virtualenvwrapper
```

```
# Edit .profile
```

```
# Use 'which' to check location of virtualenvwrapper.sh
```

```
source /usr/local/bin/virtualenvwrapper.sh
```

```
# After: restart shell
```

```
# Default location for envs: ~/.virtualenvs
```



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

