ezenv Documentation

Release 0.1

Brett Anderson

December 20, 2016

Contents

1 Features **3**

2 Requirements **5**

3 Getting Started **7**
3.1 Installation . . . 7
3.2 Addding INSTALL_DIR to your PATH *(optional)* . . . 7

4 Usage **9**
4.1 Creating a virtualenv . . . 9
4.2 Using your new virtualenv . . . 9
4.3 Creating a virtualenv for specific Python version . . . 9
4.4 Creating a Django-ready virtualenv . . . 10
4.5 Creating virtualenv with a specific Django version . . . 10
4.6 Creating virtualenv with specific Python and Django versions . . . 10

5 pyenv **11**
5.1 Listing installed python versions and virtualenv . . . 11
5.2 Listing available python versions . . . 11
5.3 Removing a pyenv python version or virtualenv . . . 11

6 Related Links **13**

7 Index & Search **15**

A rapid pyenv + pyenv-virtualenv instance creation tool.

CHAPTER 1

Features

- Rapid virtualenv deployments with a single `ezenv` command.
- Quickly deploy a virtualenv for any Python version using isolated pyenv based Python installs.
- Automatically installs pyenv and pyenv-virtualenv for you if you don't have them.
- Will automatically fall back to using git for satisfying dependencies if brew is unavailable.
- Easily deploy any Django and Python version combination using `ezdjango`.

CHAPTER 2

Requirements

- OS X (Linux and others should work, but are untested)
- Python
- Bash
- Homebrew or Git

CHAPTER 3

Getting Started

To install simply set `INSTALL_DIR` to where you would like to install. This should probably be somewhere in your `PATH` or you can add it to your path using the optional steps shown in the "**Adding INSTALL_DIR to your PATH**" section below.

3.1 Installation

```
git clone https://github.com/bzdzb/ezenv.git
cd ezenv
INSTALL_DIR=~/bin
cp ezenv ezdjango $INSTALL_DIR
chmod +x $INSTALL_DIR/ez{env,django}
```

3.2 Addding INSTALL_DIR to your PATH *(optional)*

```
echo "export PATH=$INSTALL_DIR:\$PATH" >> ~/.bashrc
. ~/.bashrc
```

CHAPTER 4

Usage

4.1 Creating a virtualenv

```
$ ezenv example
Installing pyenv... done.
Installing pyenv-virtualenv... done.
Adding pyenv init to ~/.bashrc... done.
Initializing pyenv... done.
Creating pyenv virualenv example. May take a few min... done.

Get started using your new virtualenv with:
  source ~/.bashrc && pyenv activate example
```

4.2 Using your new virtualenv

```
$ source ~/.bashrc && pyenv activate example
(example) $ pyenv which python
/Users/bzdzb/.pyenv/versions/example/bin/python
(example) $
```

4.3 Creating a virtualenv for specific Python version

```
$ ezenv example34 3.4.1
Installing pyenv... done.
Installing pyenv-virtualenv... done.
Adding pyenv init to ~/.bashrc... done.
Initializing pyenv... done.
Creating pyenv virualenv example34. May take a few min... done.

Get started using your new virtualenv with:
  source ~/.bashrc && pyenv activate example34

$ source ~/.bashrc && pyenv activate example34
(example34) $ python -V
Python 3.4.1
(example34) $
```

4.4 Creating a Django-ready virtualenv

```
$ ezdjango dj
Installing Django... done.

To activate, run:
  source ~/.bashrc && pyenv activate dj

$ source ~/.bashrc && pyenv activate dj
(dj) $ python
```

```
Python 2.7.5 (default, Mar  9 2014, 22:15:05)
[GCC 4.2.1 Compatible Apple LLVM 5.0 (clang-500.0.68)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import django
>>> django.get_version()
'1.6.5'
```

4.5 Creating virtualenv with a specific Django version

```
$ ezdjango dj1.5 1.5.8
Installing Django... done.

To activate, run:
  source ~/.bashrc && pyenv activate dj1.5

$ source ~/.bashrc && pyenv activate dj1.5
(dj1.5) $ python
```

```
Python 2.7.5 (default, Mar  9 2014, 22:15:05)
[GCC 4.2.1 Compatible Apple LLVM 5.0 (clang-500.0.68)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import django
>>> django.get_version()
'1.5.8'
```

4.6 Creating virtualenv with specific Python and Django versions

```
$ ezdjango djPyPy 1.6.5 pypy-2.3
Installing Django... done.

To activate, run:
  source ~/.bashrc && pyenv activate djPyPy

$ source ~/.bashrc && pyenv activate djPyPy
(djPyPy) $ python
```

```
Python 2.7.6 (394146e9bb67, May 08 2014, 16:45:59)
[PyPy 2.3.0 with GCC 4.2.1 Compatible Apple LLVM 5.0 (clang-500.2.79)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>>> import django
>>>> django.get_version()
'1.6.5'
```

CHAPTER 5

pyenv

ezenv uses pyenv and pyenv-virtualenv under the hood, so you can still use all of the pyenv commands for managing your pyenv and pyenv-virtualenv instances.

5.1 Listing installed python versions and virtualenv

```
$ pyenv versions
  system
  3.4.1
  dj
  dj1.5
* djPyPy (set by PYENV_VERSION environment variable)
  example
  example34
  pypy-2.3
```

5.2 Listing available python versions

```
$ pyenv install --list
Available versions:
  2.4
  2.4.1
  2.4.2
  ...
  ...
  stackless-3.3.5
  stackless-dev
```

5.3 Removing a pyenv python version or virtualenv

```
$ pyenv uninstall djPyPy
pyenv: remove /Users/bzdzb/.pyenv/versions/djPyPy? y
$ pyenv uninstall 3.4.1
pyenv: remove /Users/bzdzb/.pyenv/versions/3.4.1? y
```

CHAPTER 6

Related Links

- pyenv
- pyenv-virtualenv
- virtualenv

CHAPTER 7

Index & Search

- genindex
- search