
blueberry.py Documentation

Release stable

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Same as CherryPy, just with a different filling.

What is it?

BlueberryPy is a CherryPy project skeleton generator and a collection of tools, plugins and utilities for [CherryPy](#) - the minimalist Python web framework.

What does it offer?

BlueberryPy is offered as a set of CherryPy tools, WSPB plugins and extra utility modules. All the components are optional and completely pluggable without any intermodule dependencies, so you can safely pick and choose just the components you want.

- SQLAlchemy ORM plugin with two-phase commit support
- Per-request SQLAlchemy ORM session tool
- Redis session storage
- Jinja2 template engine
- Webassets asset pipeline integrated with Jinja2
- Application specific logging
- CherryPy project skeleton generator
- Preconfigured console for experimenting inside a generated project
- YAML configuration for CherryPy, Python's logging module and Webassets
- Convenient Email module for sending text and HTML emails
- JSON tools to convert to and from SQLAlchemy models
- CSRF token

Installation

Stable version:

```
$ pip install blueberry.py
```

Development version:

```
$ pip install https://bitbucket.org/wyuenho/blueberry.py
```

Note: You should probably install it inside a [virtualenv](#).

Usage

Once BlueberryPy is installed, a script called *blueberry* should be available on your PATH.

```
usage: blueberry [-h] [-v] [-C CONFIG_DIR] [command]

BlueberryPy lightweight pluggable Web application framework command line interface.

    Type 'blueberry -h' or 'blueberry --help' for general help.
    Type 'blueberry help <command>' for help on that specific command.

commands:

    help                print this help or a command's if an argument is given
    create              create a project skeleton
    console             BlueberryPy REPL for experimentations
    bundle              bundles up web assets (type 'blueberry help bundle' for details)
    serve              spawn a new CherryPy server process

positional arguments:
  command                the action to perform

optional arguments:
  -h, --help            show this help message and exit
  -v, --version          print version information and exit.
  -C CONFIG_DIR, --config_dir CONFIG_DIR
                        path to the config directory
```

To create a project skeleton:

```
$ blueberry create
```

After you've answered a couple of questions, you should see something similar to this:

```
=====
Your project skeleton has been created under /path/to/your/project .

Subsystems chosen
-----
Routes (RESTful controllers): True
Jinja2: True
webassets: True
redis: False
SQLAlchemy: True
...
```

If you install a development version of your package now, the dependencies will be automatically installed for you as well:

```
$ pip install -e .
```

You can install the optional speedup packages too:

```
$ pip install blueberry.py[speedups]
```

Finally, you need to install a database driver such as *psycopg2*:

```
$ pip install psycopg2
```

Now your package is ready to be served:

```
$ blueberry.py serve
```

Type *http://localhost:8080* into your browser's location bar and voila!

Happy coding!

TODO

1. write sphinx doc
2. minimalist, conditional validators for json utils and form inputs
3. babel integration
4. request handler cache decorator
5. search engine integration
6. alembic or sqlalchemy-migrate integration
7. modularize skeleton generation and commands
8. better test coverage