Flask-CLI Documentation

Release 0.4.0

Invenio Software

June 29, 2016

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CHAPTER 1

Installation

The Flask-CLI package is on PyPI so all you need is:

```
$ pip install flask-cli
```

CHAPTER 2

Usage

Initialize the extension like this:

```
import click
from flask import Flask
from flask_cli import FlaskCLI
app = Flask('myapp')
FlaskCLI(app)

@app.cli.command()
def mycmd():
    click.echo("Test")
```

2.1 CLI Plugins

Flask extensions can always patch the *Flask.cli* instance with more commands if they want. However there is a second way to add CLI plugins to Flask which is through *setuptools*. If you make a Python package that should export a Flask command line plugin you can ship a *setup.py* file that declares an entrypoint that points to a click command:

Example *setup.py*:

```
from setuptools import setup

setup(
    name='flask-my-extension',
    ...
    entry_points='''
        [flask.commands]
        my-command=mypackage.commands:cli
    ''',
)
```

Inside *mypackage/comamnds.py* you can then export a Click object:

```
import click

@click.command()
def cli():
    """This is an example command."""
```

Once that package is installed in the same virtualenv as Flask itself you can run `flask my-command` to invoke your command. This is useful to provide extra functionality that Flask itself cannot ship.

Import from this library instead of `flask.cli`, e.g.:

```
from flask_cli import FlaskGroup
```

CHAPTER 3

Changes

Version 0.4.0 (released 2016-06-28)

- Adds a –version switch to Flask CLI.
- Updates help to > *set FLASK_APP=hello.py*.
- Adds plugin support to the CLI.
- Updates docs to the new CLI patterns.
- Removes Python 2.6 and adds Python 3.5 to Tox configuration to match Travis config.
- Implements simplified CLI interface.

Version 0.3.0 (released 2016-05-17)

- Werkzeug should not block propagated exceptions from Flask.
- Fixes issue with the parameter passed to the CLI's AppGroup.
- Adds shell context processor example.
- Fixes missing import in Python example in README.
- Fixes broken tests.

Version 0.2.1 (released 2015-08-03)

- Adds support for specifying shell context processors.
- Fixes bug with shell command due to missing support for shell context processors.

Version 0.2.0 (released 2015-07-31)

- Adds FlaskCLI extension to support app.cli.
- Changes default imports from flask_cli.cli to flask_cli and relies on Flask's classes when v1.0 is installed.

Version 0.1.0 (released 2015-07-31)

- Initial public release

CHAPTER 4

Contributing

Bug reports, feature requests, and other contributions are welcome. If you find a demonstrable problem that is caused by the code of this library, please:

1. Search for already reported problems.
2. Check if the issue has been fixed or is still reproducible on the latest *master* branch.
3. Create an issue with **a test case**.

If you create a feature branch, you can run the tests to ensure everything is operating correctly:

```
$ ./run-tests.sh
```

You can also test your feature branch using Docker:

```
$ docker-compose build
$ docker-compose run --rm web /code/run-tests.sh
```

CHAPTER 5

License

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```
flask_cli/cli.py
flask_cli/_compat.py
flask_cli/app.py
```

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