toll

Release

Jan 03, 2018

Contents

toll = **t**est **o**ffline **l**ocally **l**ightweight

Run commands on multiple configured packages:

- Commands can be set-up steps or a call to the test runner etc.

- Each command is run on each package.

- It stops if a command exits with a non-zero exit code (aka an error).

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Requirements

- The packages have to be checked out beforehand.

- Currently the commands have to be identical across all packages. (The only option is to omit the command on a package when the precondition is not met.)

Usage

2.1 Installation

Install it as usual using pip:

```
$ pip install toll
```

2.2 Config file

You need an ini style config file. Its name should be *toll.ini*. Here are example contents of such a file.:

```
[packages]
my.package.one
my.package.two

[build]
precondition = test -e bin/buildout
command = bin/buildout -n

[test]
command = bin/py.test
```

For the complete list of possible configuration options see the section *Config file*.

2.3 Run it

By default the command named test from the config file is run:

```
$ toll
```

If you specify multiple commands each one is run on each package before proceeding to the next command:

```
$ toll build test
```

For other options see:

```
$ toll --help
```

Other topics

3.1 Config file

There can be the following sections in the config file:

3.1.1 [packages]

This section contains a list of relative paths of packages. They are used to run commands on them.

Example:

```
[packages]
../foo.bar
pkgs/baz
```

3.1.2 [<command-name>]

All sections besides `[packages]` are treated as commands.

Required parameters

- `command` - command to be run

Optional parameters

- `precondition` - do not run the command if the precondition is not met aka "the command returns a non-zero exit code.
- `ignore-exit-code` - Ignore the exit code of the command it set to any value. This way the the run of *toll* does not stop after running the command.

Example

This a an example of some commands:

```
[build]
precondition = test -e bin/buildout
command = bin/buildout -n

[test]
command = bin/py.test

[push]
ignore-exit-code = true
command = hg push
```

The precondition of `[build]` checks whether `bin/buildout` exists as the command would fail if not.

3.2 Developing toll

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>
> **Documentation** http://toll.readthedocs.io
>
> **PyPI page** https://pypi.org/project/toll/
>
> **Issues** https://github.com/icemac/toll/issues
>
> **Source code** https://github.com/icemac/toll
>
> **Change log** https://raw.githubusercontent.com/icemac/toll/master/CHANGES.rst

3.2.1 Run the tests

Install tox as the test runner and the call it to run the tests:

```
$ tox
```

To run the tests of *toll* using *toll* itself call:

```
$ python3.5 bootstrap.py
$ bin/buildout
$ bin/toll
```

3.2.2 Copyright

3.2.3 License

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3.3 Change log

3.3.1 4.0 (2017-12-26)

- Add an `ignore-exit-code` to the configuration of the commands to allow a complete run-through of all packages.

- Drop support for Python 3.3.

- Also release as wheel.

3.3.2 3.2 (2017-05-16)

- Change license from ZPL to MIT.

- Move canonical repository to https://github.com/icemac/toll.

- Add support for PyPy3.

3.3.3 3.1 (2017-01-07)

- Colour the own output of *toll*.

- Add a line above the output for each package.

3.3.4 3.0 (2017-01-06)

Backward incompatible changes

- Add a preconditions to the commands. If the precondition is not met the command is not executed. This can be used to prevent running a command in a package where it will fail.

  This requires a new config file format. (See documentation.)

Other changes

- Add support for Python 3.6.

3.3.5 2.1 (2016-12-06)

- Add compatibility with *setuptools >= 30.0*.

3.3.6 2.0 (2016-06-17)

- Use a default configuration file named `toll.ini`. This can be overwritten using `-c` when calling *toll*.
- Allow to specify multiple command which should be called. (See `--help`.)
- Make package compatible with Python 2.7, 3.3, 3.4 and PyPy.

3.3.7 1.0 (2016-02-26)

- Initial release.