

---

**toll**  
*Release*

**Jan 03, 2018**



---

## Contents

---

<b>1</b>	<b>Requirements</b>	<b>3</b>
<b>2</b>	<b>Usage</b>	<b>5</b>
<b>3</b>	<b>Other topics</b>	<b>7</b>



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).

This package is licensed under the [MIT License](#).



# CHAPTER 1

---

## 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.)





## 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
```

## toll, Release

---

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
```

## 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 is 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

**Author** Michael Howitz <[icemac@gmx.net](mailto:icemac@gmx.net)>

**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 then 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

Copyright 2016-2018 Michael Howitz

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## 3.3 Change log

### 3.3.1 4.1 (unreleased)

- Nothing changed yet.

### 3.3.2 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.

### 3.3.3 3.2 (2017-05-16)

- Change license from ZPL to MIT.
- Move canonical repository to <https://github.com/icemac/toll>.
- Add support for PyPy3.

### 3.3.4 3.1 (2017-01-07)

- Colour the own output of *toll*.
- Add a line above the output for each package.

### 3.3.5 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.

### 3.3.6 2.1 (2016-12-06)

- Add compatibility with *setuptools*  $\geq 30.0$ .

### 3.3.7 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.

### 3.3.8 1.0 (2016-02-26)

- Initial release.