# Lancet Documentation

***Release 0.8.0***

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CHAPTER 1

# Installation

## 1.1 TL;DR

```
brew update
brew install python3 libgit2 --with-libssh2
curl https://raw.githubusercontent.com/mitsuhiko/pipsi/master/get-pipsi.py | python
~/.local/venvs/pipsi/bin/pip install -U https://github.com/mitsuhiko/pipsi/archive/
↪master.zip
pipsi install --python=$(which python3) lancet
```

## 1.2 Requirements

The following carefully crafted software packages are needed to install `lancet`:

1. Python 3 (`brew install python3`)
2. libgit2 with libssh2 support (`brew install libgit2 --with-libssh2`)
3. pipsi (optional, see below)

Required Python packages are automatically installed.

## 1.3 `pipsi`-dev

It is suggested to use `pipsi` to install `lancet` for production use. `pipsi` creates and manages isolated virtual environments for specific Python packages, and then exposes the provided binaries in the global `$PATH`. For more information about `pipsi`, please check out it's homepage.

At the time of writing, the latest release of `pipsi` (0.8) does not support Python 3. In order to install `lancet`, we need to install the development version of `pipsi`. This can be achieved with the following commands:

1. Install the current stable release:

```
curl https://raw.githubusercontent.com/mitsuhiko/pipsi/master/get-pipsi.py |␣
↪python
```

2. Upgrade to the latest development release:

```
~/.local/venvs/pipsi/bin/pip install -U https://github.com/mitsuhiko/pipsi/
↪archive/master.zip
```

## 1.4 Installation

`lancet` can be installed as any other Python package (`pip`, `easy_install`, ...), but it is recommended to use `pipsi`.

If all the needed dependencies are installed on your system, and you have a Python 3-compatible version of `pipsi`, then installing is just a matter of running the following command:

```
pipsi install --python=$(which python3) lancet
```

## 1.5 Upgrading from a previous version

If you used `pipsi` to install `lancet`, you can upgrade to the latest version of `lancet` by running:

```
pipsi upgrade lancet
```

### 1.5.1 Upgrading a package installed in editable mode

When installing the package in editable mode, using `pip`'s `-e` flag, the distribution can be updated with the following command:

```
~/.local/venvs/lancet/bin/pip install -e path/to/the/project
```

CHAPTER 2

# Configuration


## 2.1 Where does `lancet` read the configuration from?

## 2.2 Initial setup

## 2.3 Project initialization

## 2.4 Configuration directives reference

CHAPTER 3

# Commands reference


3.1 `setup`

3.2 `init`

3.3 `workon`

3.4 `pause`

3.5 `resume`

3.6 `time`

3.7 `browse`

3.8 `logout`

CHAPTER 4

# Introduction

From http://en.wikipedia.org/wiki/Scalpel:

> A scalpel, or lancet, is a small and extremely sharp bladed instrument used for surgery, anatomical dissection, and various arts and crafts (called a hobby knife).

Lancet is a command line utility to streamline the various activities related to the development and maintenance of a software package.

CHAPTER 5

# Features

- Start tasks (create branch, set correct issue status/assignee, start linked harvest timer);
- Suspend tasks (pause harvest timer, set issue status);
- Resume tasks (resume timer, set issue status);
- Rapidly open issue tracker task page.

See http://cl.ly/0u28140B1Y15 for a short visual demo.

CHAPTER 6

# TODOs

See the issue tracker for more details.