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# **typademic Documentation**

*Release 1.2.4*

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## Contents:

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<b>1</b>	<b>typademic</b>	<b>1</b>
1.1	Getting Started . . . . .	1
1.2	Running the tests . . . . .	2
1.3	Deployment (BEGINNER) . . . . .	2
1.4	Deployment (ADVANCED) . . . . .	3
1.5	Built With . . . . .	3
1.6	Contributing . . . . .	3
1.7	Versioning . . . . .	3
1.8	Authors . . . . .	4
1.9	License . . . . .	4
1.10	Acknowledgments . . . . .	4
<b>2</b>	<b>Installation</b>	<b>5</b>
2.1	Stable release . . . . .	5
2.2	From sources . . . . .	5
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	11
4.4	Tips . . . . .	11
4.5	Deploying . . . . .	11
<b>5</b>	<b>Credits</b>	<b>13</b>
5.1	Development Lead . . . . .	13
5.2	Contributors . . . . .	13
<b>6</b>	<b>History</b>	<b>15</b>
<b>7</b>	<b>Indices and tables</b>	<b>17</b>



Typademic turns distraction freely written markdown files into beautiful PDFs. Built with love, [Google Fonts](#), [Pandoc](#), and [LaTeX](#).

## 1.1 Getting Started

These instructions will get you a copy of the project up and running on your local machine for development and testing purposes. See deployment for notes on how to deploy the project on a live system.

### 1.1.1 Prerequisites

Install all this to use all functions of typademic.

- [Google Fonts](#)
- [LaTeX](#)
- [Pandoc](#)
- [Pandoc Citeproc](#)
- [Python 3](#)
- [OpenSSL](#)

#### Mac with Homebrew

```
brew install python openssl mactex pandoc pandoc-citeproc wget  
wget https://raw.githubusercontent.com/qrpikr/Web-Font-Load/master/install.sh | bash
```

## Ubuntu 18.04

```
sudo apt-get update -y
sudo apt-get install -y texlive-full wget

wget https://raw.githubusercontent.com/qrpikr/Web-Font-Load/master/install.sh | bash

wget -O pandoc.deb https://github.com/jgm/pandoc/releases/download/2.11.0.4/pandoc-2.
↪11.0.4-1-amd64.deb
sudo dpkg -i pandoc.deb

pip install --upgrade pip
```

### 1.1.2 Installing

```
virtualenv venv
source venv/bin/activate
pip install .
```

### 1.1.3 Start the development server

```
python app.py
```

## 1.2 Running the tests

```
pip install tox
tox
```

## 1.3 Deployment (BEGINNER)

1. Install Docker CE.
2. Export your secrets and start the latest typademic docker image.

```
touch logs/error.log
touch logs/access.log
export SECRET_KEY=SOMESECRETKEY
docker run --name typademic \
  -p 443:8000 \
  -e "SECRET_KEY=${SECRET_KEY}" \
  -v "./logs/error.log:/logs/error.log" \
  -v "./logs/access.log:/logs/access.log" \
  -v "./uploads/:/uploads/" \
  maehr/typademic:latest
```

3. Go to <https://localhost/> (If you did not add valid SSL certificates, ignore the error message.)

## 1.4 Deployment (ADVANCED)

1. Add your custom SSL certificates (`key.pem` and `cert.pem`) to the root directory. Otherwise private certificates will be issued.
2. Create a `secrets.env` and add your env vars.

```
cp secrets.example.env secrets.env
nano secrets.env
```

3. Change `docker-compose.yml` accordingly.

```
# uncomment this line for production use
# env_file: ./secrets.env

# comment this line for production use
environment:
  - SECRET_KEY=${SECRET_KEY}
```

4. Start typademic and go to <https://localhost/>

```
docker-compose up
```

## 1.5 Built With

- [Bulma.io](#)
- [CircleCI](#)
- [Cookiecutter](#)
- [Docker CE](#)
- [Flask](#)
- [Flask-Dropzone](#)
- [Flask-WTF](#)
- [Google Fonts](#)
- [LaTeX](#)
- [Pandoc](#)
- [Web-Font-Loader](#)

## 1.6 Contributing

Please read [CONTRIBUTING.rst](#) for details on our code of conduct, and the process for submitting pull requests to us.

## 1.7 Versioning

We use [SemVer](#) for versioning. For the versions available, see the [tags](#) on this repository.

## 1.8 Authors

Please read `AUTHORS.rst` for details on the authors. See also the list of `contributors` who participated in this project.

## 1.9 License

This project is licensed under the MIT License - see the `LICENSE.rst` file for details

## 1.10 Acknowledgments

- John Gruber
- John MacFarlane
- Sarah Simpkin, “Getting Started with Markdown,” *The Programming Historian* 4 (2015)
- Dennis Tenen and Grant Wythoff, “Sustainable Authorship in Plain Text using Pandoc and Markdown,” *The Programming Historian* 3 (2014)



## 2.1 Stable release

To install `typademic`, run this command in your terminal:

```
$ pip install .
```

This is the preferred method to install `typademic`, as it will always install the most recent stable release.

If you don't have `pip` installed, this [Python installation guide](#) can guide you through the process.

## 2.2 From sources

The sources for `typademic` can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/maehr/typademic
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/maehr/typademic/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```



## CHAPTER 3

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### Usage

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To use `typademic` in a project:

```
import typademic
```



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

## 4.1 Types of Contributions

### 4.1.1 Report Bugs

Report bugs at <https://github.com/maehr/typademic/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 4.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

### 4.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

### 4.1.4 Write Documentation

typademic could always use more documentation, whether as part of the official typademic docs, in docstrings, or even on the web in blog posts, articles, and such.

### 4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/maehr/typademic/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## 4.2 Get Started!

Ready to contribute? Here's how to set up *typademic* for local development.

1. Fork the *typademic* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/typademic.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv typademic
$ cd typademic/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 typademic tests
$ python setup.py test or py.test
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

## 4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 2.7, 3.4, 3.5 and 3.6, and for PyPy. Check [https://travis-ci.org/maehr/typademic/pull\\_requests](https://travis-ci.org/maehr/typademic/pull_requests) and make sure that the tests pass for all supported Python versions.

## 4.4 Tips

To run a subset of tests:

```
$ py.test tests.test_typademic
```

## 4.5 Deploying

A reminder for the maintainers on how to deploy. Make sure all your changes are committed (including an entry in HISTORY.rst). Then run:

```
$ bumpversion patch # possible: major / minor / patch
$ git push
$ git push --tags
```

Travis will then deploy to PyPI if tests pass.





### 5.1 Development Lead

- Moritz Maehr <moritz.maehr@gmail.com> maehr

### 5.2 Contributors

None yet. Why not be the first?



## CHAPTER 6

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### History

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Check <https://github.com/maehr/typademic/releases>



# CHAPTER 7

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## Indices and tables

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- `genindex`
- `modindex`
- `search`