

---

# Flask-Funnel Documentation

*Release 0.1*

**Rehan Dalal**

May 29, 2014



<b>1</b>	<b>Summary</b>	<b>3</b>
<b>2</b>	<b>Documentation</b>	<b>5</b>
<b>3</b>	<b>Install</b>	<b>7</b>
<b>4</b>	<b>Quickstart</b>	<b>9</b>
<b>5</b>	<b>Test</b>	<b>11</b>
<b>6</b>	<b>Requirements</b>	<b>13</b>
<b>7</b>	<b>Installing YUI Compressor</b>	<b>15</b>
<b>8</b>	<b>Configuration</b>	<b>17</b>
<b>9</b>	<b>Including bundles in templates</b>	<b>21</b>
9.1	Media types for stylesheets . . . . .	21
9.2	Using the manager to bundle and minify assets . . . . .	21
<b>10</b>	<b>What's new in Flask-Funnel</b>	<b>23</b>
10.1	Version 0.1.10: . . . . .	23
10.2	Version 0.1.9: . . . . .	23
10.3	Version 0.1.8: . . . . .	23
10.4	Version 0.1.7: . . . . .	23
10.5	Version 0.1.6: . . . . .	23
10.6	Version 0.1.5: . . . . .	23
10.7	Version 0.1.4: . . . . .	24
10.8	Version 0.1.3: . . . . .	24
10.9	Version 0.1: . . . . .	24
<b>11</b>	<b>Contributors</b>	<b>25</b>



- Summary
- Documentation
- Install
- Quickstart
- Test
- Requirements
- Installing YUI Compressor
- Configuration
- Including bundles in templates
  - Media types for stylesheets
  - Using the manager to bundle and minify assets
- What's new in Flask-Funnel
  - Version 0.1.10:
  - Version 0.1.9:
  - Version 0.1.8:
  - Version 0.1.7:
  - Version 0.1.6:
  - Version 0.1.5:
  - Version 0.1.4:
  - Version 0.1.3:
  - Version 0.1:
- Contributors



---

## Summary

---

A Flask extension for compressing/minifying assets.

A Flask-Script submanager is also provided.





---

## Documentation

---

Documentation is at <http://flask-funnel.readthedocs.org/en/latest/>.



---

### Install

---

To install:

```
$ pip install Flask-Funnel
```

You can also install the development version <https://github.com/rehandalal/flask-funnel/tarball/master#egg=Flask-Funnel-dev>:

```
$ pip install Flask-Funnel==dev
```

or:

```
$ git clone git://github.com/rehandalal/flask-funnel.git
$ mkvirtualenv flaskfunnel
$ python setup.py develop
$ pip install -r requirements.txt
```



---

### Quickstart

---

To get started using Flask-Funnel simply add the following to your Flask app:

```
from flask import Flask
from flask.ext import Funnel

app = Flask(__name__)
Funnel(app)
```



---

## Test

---

To run tests from a tarball or git clone:

```
$ python setup.py test
```





---

## Requirements

---

- **Flask 0.8** (or later)

One of the following:

- **Java**: if you want to use [YUI Compressor](#).
- **NodeJS**: if you want to use **‘Coffee-Script’**, [UglifyJS](#) or [clean-css](#).

Optionally:

- **LESS**: if you need to compile [LESS](#) files.
- **SCSS**: if you need to compile [SCSS](#) files.
- **Stylus**: if you need to compile [Stylus](#) files.
- **COFFEE**: if you need to compile [COFFEE](#) files.
- **Autoprefixer**: if you want to have your CSS files autoprefixed.



---

## Installing YUI Compressor

---

To use **YUI Compressor** you must install Java. Once Java has been installed make sure to set `JAVA_BIN` in your application config.

You can download YUI Compressor from <https://github.com/yui/yuicompressor/downloads> and make sure that `YUI_COMPRESSOR_BIN` points to the `yuicompressor-x.y.z.jar` file.



---

## Configuration

---

There are several configuration options available for **Flask-Funnel**:

### CSS\_BUNDLES

A dict of CSS bundles:

```
app.config['CSS_BUNDLES'] = {
    'bundle1': (
        'stylesheet.css',
        'another.css',
        'tobecompile.less',
        'tobecompile2.scss',
    ),
}
```

Defaults to: {}

### JS\_BUNDLES

A dict of JavaScript bundles:

```
app.config['JS_BUNDLES'] = {
    'the_bundle': (
        'jquery.js',
        'jquery-ui.js',
        'tobecompile.coffee',
    ),
}
```

Defaults to: {}

### CSS\_MEDIA\_DEFAULT

This is the default value for the media attribute of the <link> tag for stylesheets.

Defaults to: 'screen,projection, tv'

### BUNDLES\_DIR

The subdirectory of the static directory that the generated bundles are saved to.

Defaults to: 'bundles'

### YUI\_COMPRESSOR\_BIN

If you plan on using [YUI Compressor](#) you must set this variable.

*It has no default value.*

## JAVA\_BIN

If you plan on using [YUI Compressor](#) you must set this variable.

*It has no default value.*

## LESS\_BIN

If you require [LESS](#) support you must point this to `lessc`.

Defaults to: `'lessc'`

## LESS\_PREPROCESS

If you want LESS files to be compiled when `app.debug` is `True` and compressed files are not being used.

Defaults to: `True`

## SCSS\_BIN

If you require [SCSS](#) support you must point this to `scss`.

Defaults to: `'scss'`

## SCSS\_PREPROCESS

If you want SCSS files to be compiled when `app.debug` is `True` and compressed files are not being used.

Defaults to: `True`

## STYLUS\_BIN

If you require [Stylus](#) support you must point this to `stylus`.

Defaults to: `'stylus'`

## STYLUS\_PREPROCESS

If you want Stylus files to be compiled when `app.debug` is `True` and compressed files are not being used.

Defaults to: `True`

## COFFEE\_BIN

If you require [COFFEE](#) support you must point this to `coffee`.

Defaults to: `'coffee'`

## COFFEE\_PREPROCESS

If you want CoffeeScript files to be compiled when `app.debug` is `True` and compressed files are not being used.

Defaults to: `True`

## AUTOPREFIXER\_BIN

If you want to use [Autoprefixer](#) you must point this to `autoprefixer`.

Defaults to: `'autoprefixer'`

## AUTOPREFIXER\_ENABLED

Flag to indicated whether to run Autoprefixer on bundles and preprocessed files.

Defaults to: `False`

## AUTOPREFIXER\_BROWSERS

Determines which browsers to prefix for. See [Autoprefixer](#) documentation for more information.

Defaults to: `'last 2 versions'`

## UGLIFY\_BIN

If you want to use [UglifyJS](#) you must set this variable.

*It has no default value.*

## CLEANCSS\_BIN

If you want to use [clean-css](#) you must set this variable.

*It has no default value.*

## FUNNEL\_USE\_S3

If you are using [Flask-S3](#) you must set this to use Flask-S3's `url_for()` function.

Defaults to: `False`





---

## Including bundles in templates

---

To include a bundle in a template you can use the `css()` or `js()` function:

```
{# Jinja2 template #}  
<!doctype html>  
<html>  
<head>  
    <title>The Title</title>  
    {{ css('bundle-name') }}  
</head>  
<body>  
    <h1>Headline</h1>  
    {{ js('bundle-name') }}  
</body>  
</html>
```

This will generate the appropriate markup for each bundle.

Note: When `app.debug` is `True` these will output markup for each file in the bundle.

### 9.1 Media types for stylesheets

The `css()` function will, by default, generate `<link>` tags with a `media` attribute set to `CSS_MEDIA_DEFAULT`. You can override this by passing an optional second argument.

### 9.2 Using the manager to bundle and minify assets

The extension provides a sub-manager for `Flask-Script` which can be used as follows:

```
from flask.ext.script import Manager  
from flask.ext.funnel.manager import manager as funnel_manager  
  
manager = Manager(app)  
manager.add_command('funnel', funnel_manager)
```

You can now use the manager to bundle and minify your assets using:

```
$ ./manage.py funnel bundle_assets
```

This will create a `bundle` folder within the app's static folder to store the bundled files. CSS bundles go into a `css` subfolder and JavaScript bundles go into the `js` subfolder. Each of these subfolders will have a number of `*-min.*` files which are the compressed and minified versions of the bundles.

---

## What's new in Flask-Funnel

---

### 10.1 Version 0.1.10:

- Add support for Autoprefixer

### 10.2 Version 0.1.9:

- Fix @import issues in Stylus

### 10.3 Version 0.1.8:

- Added support for SASS
- Added support for Stylus
- Added support for CoffeeScript

### 10.4 Version 0.1.7:

- Can now use attr() in CSS urls

### 10.5 Version 0.1.6:

- Fixed a bug with LESS preprocessing

### 10.6 Version 0.1.5:

- Fixed an issue with CSS relative url rewrites

## 10.7 Version 0.1.4:

- Fixed a bug with YUI COMPRESSOR

## 10.8 Version 0.1.3:

- Added support for Flask-S3

## 10.9 Version 0.1:

- first release

---

## Contributors

---

- Rehan Dalal (rdalal/rehandalal)
- Will Kahn-Greene (willkg)