
django-pdfkit Documentation

Release 0.3.1

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Django view that converts HTML to PDF using webkit - via [pdfkit](#) and [wkhtmltopdf](#).

1.1 Installation

1.1.1 Prerequisites

You need to install `wkhtmltopdf`.

The versions in Debian/Ubuntu repositories (installed using `apt-get install wkhtmltopdf`) have reduced functionality and you will most likely want to install one of the stable binaries provided at <http://wkhtmltopdf.org/downloads.html> which provide increased functionality (headless, patched Qt, better rendering support).

Installation of the pre-compiled binaries on Ubuntu is as simple as;

```
wget http://download.gna.org/wkhtmltopdf/0.12/0.12.3/wkhtmltox-0.12.3_linux-generic-  
→amd64.tar.xz  
tar -xf wkhtmltox-0.12.3_linux-generic-amd64.tar.xz  
sudo cp -r wkhtmltox/* /usr/
```

`pdfkit` will automatically look for the `wkhtmltohtml` binary on your path however if it's not on your path you can *set it*.

1.1.2 Install

You can install `django-pdfkit` either via the Python Package Index (PyPI) or from github.

To install using `pip`;

```
$ pip install django-pdfkit
```

From github;

```
$ pip install git+https://github.com/alexhayes/django-pdfkit.git
```

1.2 Usage

Simply use the class based `PDFView` which is a drop in replacement for `TemplateView`.

```
# urls.py
from django_pdfkit import PDFView

...
url(r'^my-pdf/$', PDFView.as_view(template_name='my-pdf.html'), name='my-pdf'),
...
```

Then in your browser goto `http://localhost:8000/my-pdf/` and it will magically render as a PDF.

By default the PDF filename will be the same as the template file name however with a `.pdf` file extension.

1.2.1 Query Parameter Support

The following query parameters can adjust the views behaviour.

- `inline` - don't set the `CONTENT-DISPOSITION` header, causing the PDF to be displayed inline if the browser supports it.
- `download` - set the `CONTENT-DISPOSITION` header (default).
- `html` - don't render as a PDF, render as HTML, useful for debugging your HTML output.
- `debug` - turn on debug mode when calling pdfkit - only works when `settings.DEBUG` is True.

For example, `http://localhost:8000/my-pdf/?inline` - will cause the PDF to be displayed inline.

1.2.2 Properties

Define any of the following properties either as a kwarg to `PDFView.as_view` or as a property on the view.

- `filename` - set the downloadable filename.
- `inline` - default to display PDF inline, can be overridden with the `download` query string parameter.

1.2.3 `WKHTMLTOPDF_BIN` Environment Variable

`pdfkit` will automatically look for the `wkhtmltohtml` binary on your path however if you've installed it outside your path you can set the environment variable `WKHTMLTOPDF_BIN`.

```
WKHTMLTOPDF_BIN=/path/to/wkhtmltopdf ./manage.py runserver
```

1.3 Developer Documentation

1.3.1 Contributions

Contributions are more than welcome!

To get setup do the following;


```
mkvirtualenv --python=/usr/bin/python3.5 django-pdfkit
git clone https://github.com/alexhayes/django-pdfkit.git
cd django-pdfkit
pip install -r requirements/dev.txt
pip install Django
```

1.3.2 Running Tests

Once you've checked out you should be able to run the tests;

```
tox
```

Or run all environments at once using detox;

```
detox
```

1.3.3 Creating Documentation

```
cd docs
make clean html
```

1.4 Internal Module Reference

Release 0.3.1

Date Nov 20, 2017

1.4.1 django_pdfkit package

Subpackages

django_pdfkit.tests package

Submodules

django_pdfkit.tests.settings module

django_pdfkit.tests.settings

Django test settings.

django_pdfkit.tests.test_views module

`django_pdfkit.tests.test_views.test_html` (*client*)
Test that the query string parameter `?html` outputs HTML.

`django_pdfkit.tests.test_views.test_pdf` (*client*)
Test that a PDF is downloaded.

`django_pdfkit.tests.test_views.test_pdf_filename` (*client*)
Test setting a filename works.

`django_pdfkit.tests.test_views.test_pdf_inline` (*client*)
Test that a PDF is inline.

django_pdfkit.tests.urls module

Module contents

Submodules

django_pdfkit.views module

django_pdfkit.views

Django view that converts HTML to PDF using webkit - via pdfkit and wkhtmltopdf.

class `django_pdfkit.views.PDFView` (***kwargs*)
Bases: `django.views.generic.base.TemplateView`

filename = None
Set to change the filename of the PDF.

get (*request*, **args*, ***kwargs*)
Return a HTTPResponse either of a PDF file or HTML.

Return type `HttpResponse`

get_filename ()
Return `self.filename` if set otherwise return the template basename with a `.pdf` extension.

Return type `str`

get_pdfkit_options ()
Returns `self.pdfkit_options` if set otherwise a default dict of options to supply to pdfkit.

Return type `dict`

inline = False
Set to default the PDF display to inline.

pdfkit_options = None
Set pdfkit options dict.

render_html (**args*, ***kwargs*)
Renders the template.

Return type `str`

render_pdf (**args*, ***kwargs*)
Render the PDF and returns as bytes.

Return type `bytes`

Module contents

Django view that converts HTML to PDF using webkit.

class `django_pdfkit.VersionInfo` (*major, minor, micro, releaselevel, serial*)

Bases: `tuple`

major

Alias for field number 0

micro

Alias for field number 2

minor

Alias for field number 1

releaselevel

Alias for field number 3

serial

Alias for field number 4

1.4.2 `django_pdfkit`

CHAPTER 2

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CHAPTER 3

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