
Flask-Kaccel Documentation

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CONTENTS

1	A Quick Flask-Kaccel Introduction	1
2	How To	3
3	Nginx	5
4	API	7
5	Indices and tables	9
	Index	11

A QUICK FLASK-KACCEL INTRODUCTION

Flask-Kacel allow you to use Nginx X-Accel features on Flask application.

HOW TO

Install Flask-Kacel using PIP:

```
pip install flask-kacel
```

or:

```
python setup.py install
```


If you serve Flask behind Nginx, then you can delegate the file streaming to Nginx and get increased performance:

- lower resources used by Python/Flask workers ;
- faster download.

See [Nginx X-accel documentation](#) for details.

class flask_kaccel.**Kaccel** (*app=None*)

Class used to control the Kaccel integration to a Flask application.

You can use this by providing the Flask app on instantiation or by calling an `init_app()` method on an instance object of *Kaccel*. Here an example of providing the application on instantiation:

```
app = Flask(__name__)
kaccel = Kaccel(app)
```

And here calling the `init_app()` method:

```
kaccel = Kaccel()

def init_app():
    app = Flask(__name__)
    kaccel.init_app(app)
    return app
```

Config

- KACCEL_HOST
- KACCEL_REDIRECT_PATH
- KACCEL_FILES_PATH
- KACCEL_BUFFER
- KACCEL_CHARSET
- KACCEL_CACHE_EXPIRES
- KACCEL_LIMIT_RATE

filesize (*file_path*)

get file size in byte

Parameters *file_path* – fullpath

Returns return <integer> if success and None if fail.

filename (*file_path*)

get file name from full path.

Parameters *file_path* – fullpath

Returns return <string> if success and None if fail.

extension (*file_path*)

get extension from full path.

Parameters **file_path** – fullpath

Returns return <string> if success and None if fail.

mimetype (*file_path*)

get mime type from file

Parameters **file_path** – fullpath

Returns return <string> if success and return “application/octet-stream” if mime type not found.

send_from_directory (*filename*)

send file from directory using global configuration.

Parameters **filename** – file name

Returns return Request() object if success and None if fail.

send_file (*file_path, redirect=None, buffering=True, charset='utf-8', expires=None, limit=None*)

send file from directory using custom configuration.

Parameters

- **file_path** – fullpath.
- **redirect** – redirect path, default=None
- **buffering** – sets the proxy buffering for this connection, value=(True|False), default=True
- **charset** – sets the charset of the file, default=”utf-8”
- **expires** – sets when to expire the file in the internal NGINX cache, value=(Nonelint), default=None
- **limit** – sets the rate limit for this single request. off means unlimited, value=(Nonelint), default=None

Returns return Request() object if success and None if fail.

INDICES AND TABLES

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

INDEX

E

`extension()` (*flask_kaccel.Kaccel method*), 7

F

`filename()` (*flask_kaccel.Kaccel method*), 7

`filesize()` (*flask_kaccel.Kaccel method*), 7

K

`Kaccel` (*class in flask_kaccel*), 7

M

`mimetype()` (*flask_kaccel.Kaccel method*), 8

S

`send_file()` (*flask_kaccel.Kaccel method*), 8

`send_from_directory()` (*flask_kaccel.Kaccel method*), 8