

# Flask – FastCGI

FastCGI is another deployment option for Flask application on web servers like nginx, lighttpd, and Cherokee.

## Configuring FastCGI

First, you need to create the **FastCGI** server file. Let us call it **yourapplication.fcgi**.

```
from flup.server.fcgi import WSGIServer
from yourapplication import app

if __name__ == '__main__':
    WSGIServer(app).run()
```

**nginx** and older versions of **lighttpd** need a socket to be explicitly passed to communicate with the **FastCGI** server. For that to work, you need to pass the path to the socket to the **WSGIServer**.

```
WSGIServer(application, bindAddress = '/path/to/fcgi.sock').run()
```

## Configuring Apache

For a basic Apache deployment, your **.fcgi** file will appear in your application URL e.g. **example.com/yourapplication.fcgi/hello/**. There are few ways to configure your application so that **yourapplication.fcgi** does not appear in the URL.

```
<VirtualHost *>
    ServerName example.com
    ScriptAlias /path/to/yourapplication.fcgi/
</VirtualHost>
```

# Configuring lighttpd

Basic configuration of **lighttpd** looks like this –

```
fastcgi.server = ("/yourapplication.fcgi" => ((
    "socket" => "/tmp/yourapplication-fcgi.sock",
    "bin-path" => "/var/www/yourapplication/yourapplication.fcgi",
    "check-local" => "disable",
    "max-procs" => 1
)))

alias.url = (
    "/static/" => "/path/to/your/static"
)

url.rewrite-once = (
    "^(/static($|/.*))$" => "$1",
    "^(/.*)$" => "/yourapplication.fcgi$1"
)
```

Remember to enable the **FastCGI**, alias and rewrite modules. This configuration binds the application to **/yourapplication**.

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Revision #1

Created 14 December 2022 11:30:30 by Admin

Updated 14 December 2022 11:30:53 by Admin