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LEARN FLASK

web application framework



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Selected Reading

- UPSC IAS Exams Notes
- Developer's Best Practices
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Who is Who

Flask - FastCGI

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FastCGI is another deployment option for Flask application on web servers like nginix, 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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