HOTSPOT

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What is the purpose of HOTSPOT?

- mainly **intended for tourists**, who already are in an **unknown city**

- Tourists in general only have **limited time** to spend

- Hotspot can help to **find the most interesting locations** to visit

- those **locations** called **Hotspots** are presented in a clear, easy to interprete **heatmap**

- Hotspots can be **filtered by category** (e.g. food, shopping)

Web Services?

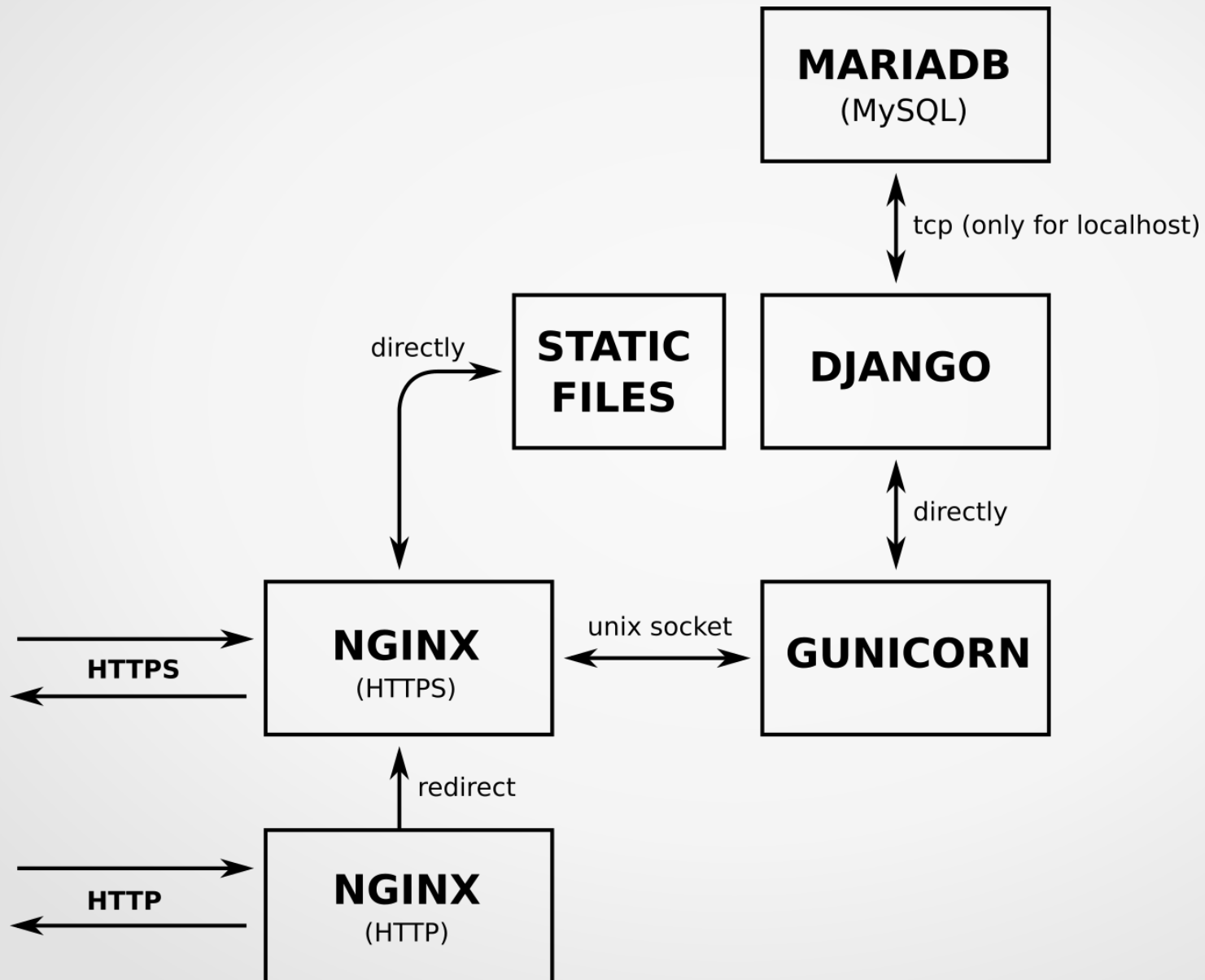- Mapbox API
- Facebook API
- Yelp API

Final improvements

- removed /changed some things
  - ~~dynamic~~ **fixed** number of hotspots returned per cluster depending on zoom level
  - improved formula for merging scores
  - finalized and cleaned up the code
- Implemented caching for better user experience
  - Server side improvements for accessing hotspots
  - Client side caching improves smoother transitions

Production server

- Web service is currently running on a real production server → hosted by contabo

- **Nginx + Gunicorn,** Ubuntu

  - receives HTTP requests, which are then forwarded through an unix socket to Gunicorn

  - Gunicorn runs the python virtual enviroment with the Django Web-Framework

- **MariaDB (MySQL)** for persistent data storage

  - Django is communicating with MariaDB over TCP

- HTTPS certificate → lets encrypt (https://letsencrypt.org/)

Production server

Live demo

(live demo)

END

THANK YOU FOR YOUR ATTENTION!

Check out our project:
https://alin.space
https://gitlab.com/onixion/hotspot.git