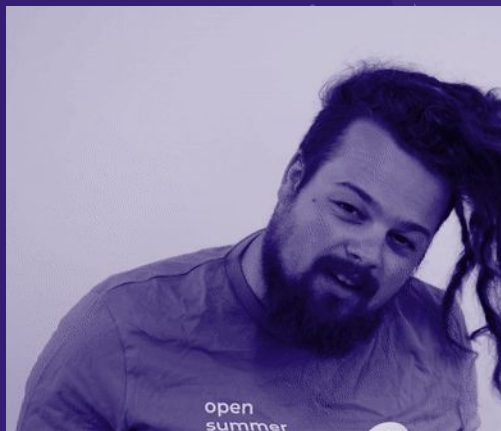


The background is a deep purple space scene. In the top left is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the bottom left, an astronaut floats with a coiled tether. In the bottom right is a large, cratered moon. The sky is filled with white stars and soft, wavy nebulae in shades of purple and blue.

BeSt@ geocoding

a simple interface for
complicated stuff



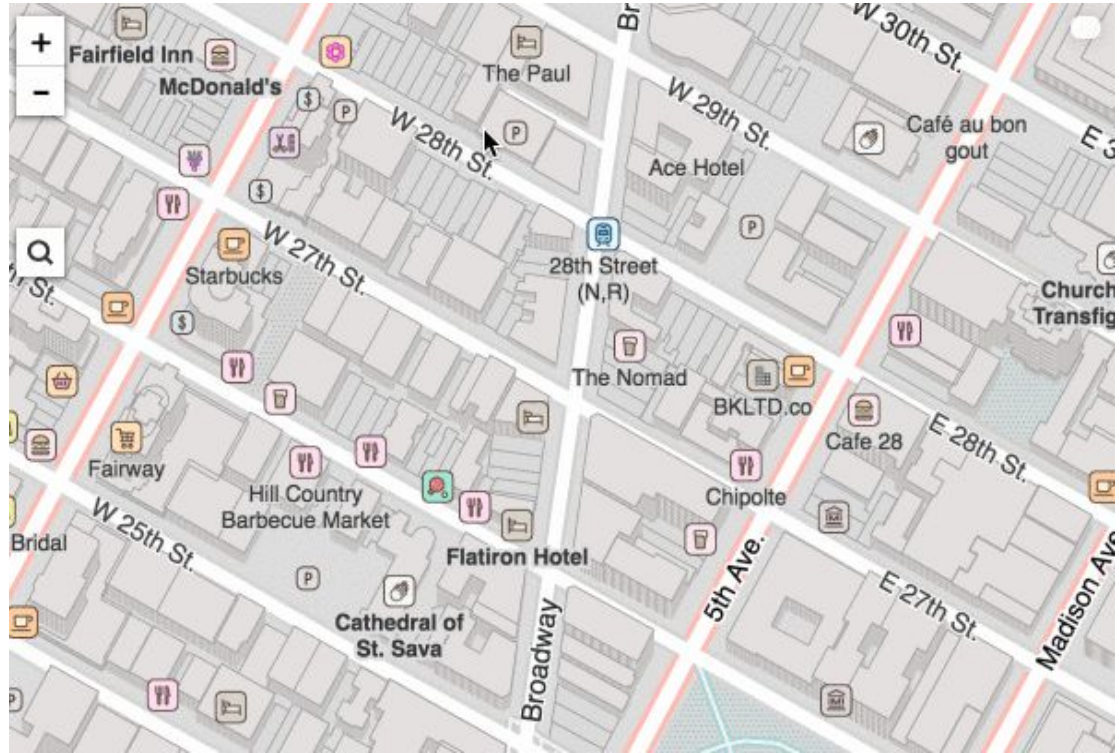
Hello!

I am Josse Van Delm
I know where your house lives

Forward geocoding + autocomplete



Reverse geocoding



We are on the internet

<http://134.209.86.158:4000/v1>

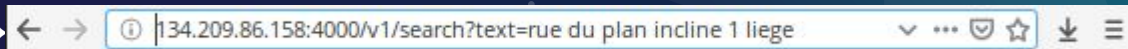
Might change! → Declare constant variable!

[VIEW DOCUMENTATION](#)



It works like this

Give us HTTP GET-request →



We give you JSON

You use JSON

```
JSON  Raw Data  Headers
Save  Copy  Pretty Print

{"geocoding":{"version":"0.2","attribution":"http://134.209.86.158:4000/attribution","query":{"text":"rue du plan incline 1 liege","size":10,"private":false,"focus.point.lat":50.85,"focus.point.lon":4.5631234,"name":{"English":{"iso6391":"en","iso6393":"eng","defaulted":false},"querySi":{"street":"rue du plan incline","number":"1","city":"liege"},"engine":{"name":"Pelias","author":"Mapzen","version":"1.0"},"timestamp":156318298872}},"type":"Feature","geometry":{"type":"Point","coordinates":[5.5631234,50.630269]},"properties":{"id":"be/wal/bosa-region-wallonia-fr:015952e2c7dfc0a5","gid":"openaddresses:address:be/wal/bosa-region-wallonia-fr:015952e2c7dfc0a5","layer":"address","source":"openaddresses","source_id":"/wal/bosa-region-wallonia-fr:015952e2c7dfc0a5","name":"1 Rue du Plan Incliné","houseNumber":"1","street":"Rue du Plan Incliné","confidence":0.8,"match_type":"interpolated","distance":89.019,"accuracy":0.001,"geometry":{"type":"Feature","geometry":{"type":"Point","coordinates":[5.532045,50.654076]},"properties":{"id":"polyline:100690","gid":"openstreetmap:street:polyline:100690","layer":"du Plan Incliné","street":"Rue du Plan Incliné","confidence":0.8,"match_type":"fallback","distance":86.059,"accuracy":0.001,"bbox":{"type":"Feature","geometry":{"type":"Point","coordinates":[5.528694,50.652594,5.535381,50.655556]},"bbox":{"type":"Feature","geometry":{"type":"Point","coordinates":[5.528694,50.630269,5.5631234,50.655556]}}
```



We will do lots of things for you

- Forward geocoding (/v1/search)
- Reverse geocoding (/v1/reverse)
- Autocomplete (/v1/autocomplete)
- Structured Geocoding (/v1/search/structured) (beta)
- Place endpoint (/v1/place)

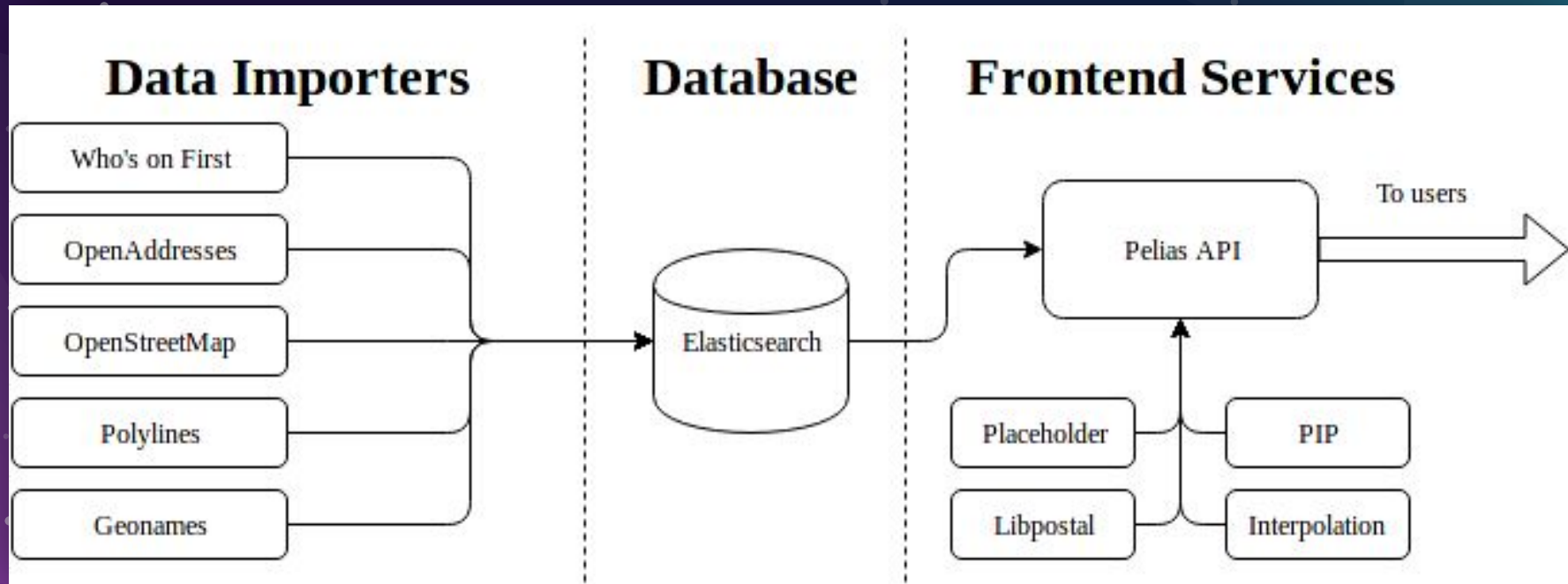
DOCUMENTATION VERY MUCH YES YES YES

<https://github.com/pelias/documentation/>



But actually it really works like this

Pelias geocoder



Demo

<https://best.osoc.be/v1/search?text=jodenstraat%2025%20Herenthout>

<http://best.osoc.be/v1/search?text=apen%20zoo%20antwerpen>

<http://best.osoc.be/v1/reverse?point.lat=51.22086&point.lon=4.41388>

<http://best.osoc.be/v1/autocomplete?text=Grand%20Place&layers=street>

Making good queries is an art

Forward geocoding

- Hard constraints
→ select region
- Soft constraints
→ prioritize region
- Filters
→ e.g. only openaddress
Data, only streets, ...





Making good queries is an art

Autocompletion

- Do not use address data → better to use street data!
- Do not overload our server!
- Watch out for response timing! → narrower queries = faster response arrival!

• PLEASE PLEASE PLEASE RTFM

DO NOT REINVENT THE WHEEL

Invite me to your misery

This is WORK IN PROGRESS

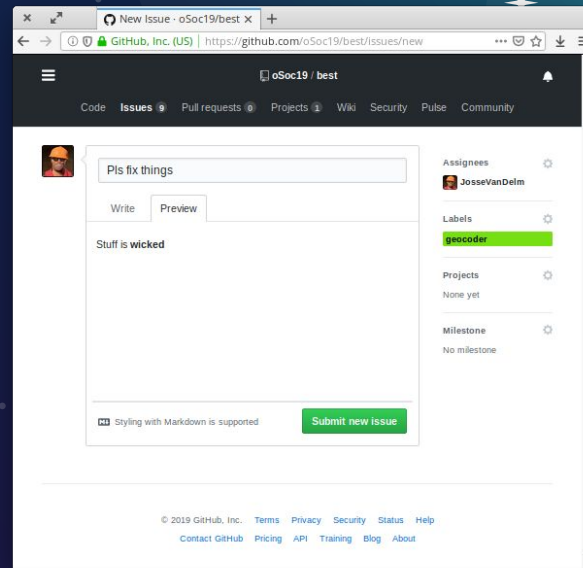
Problems will occur!

Uptime will be 🙄!

Report them!

How? →

<https://github.com/oSoc19/best/wiki/How-to-report-geocoder-issues>



We help you, you help We?

By using our service

By reporting issues / giving feedback

By mentioning our service and project on the demo-day





Thanks!

ANY QUESTIONS?
Now ! or @Josse Van Delm

Updates on slack
`#best-geocoder`