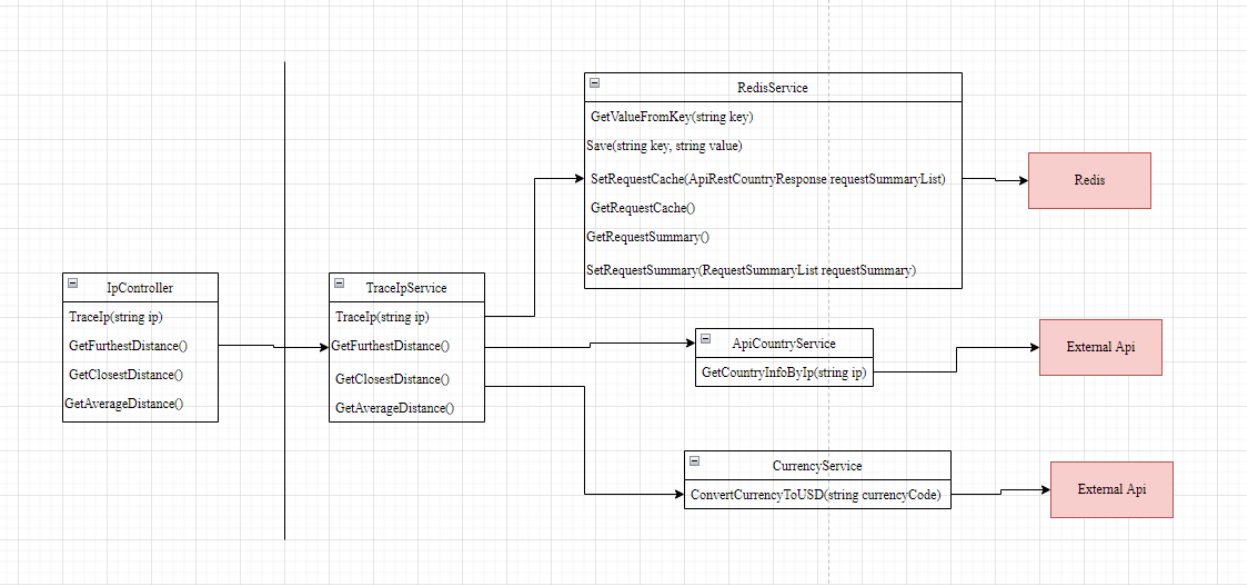
Documentation

Architecture



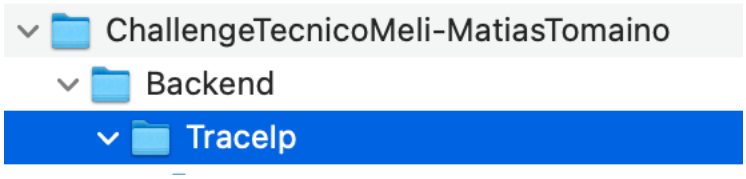
Turn-on the server

Requeriments:

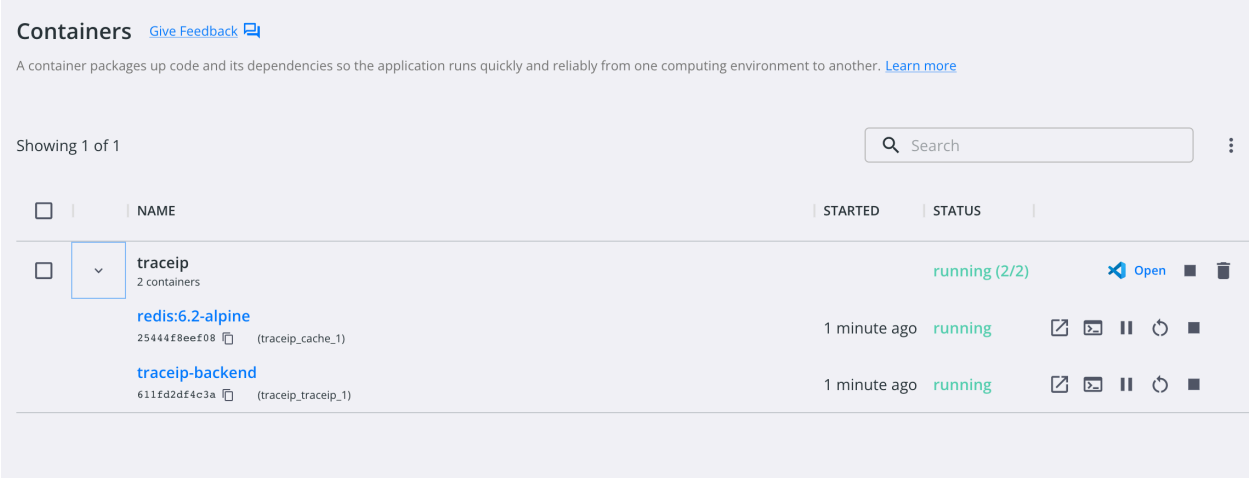
Docker.

Steps:

1. Download the repository (https://github.com/MatiiTomaino/ChallengeTecnicoMeli-MatiasTomaino)
2. Move to ChallengeTecnicoMeli-MatiasTomaino/Backend/TraceIp



3. Open a terminal in this path
4. Execute **sudo ./trace_ip_linux.sh,** here, the docker container is created and the server and redis instance will be running when the process finished.
    a. **Note: if command doesn't work, run chmod +x trace_ip_linux.sh.**
5. Check that server and redis instance are running.



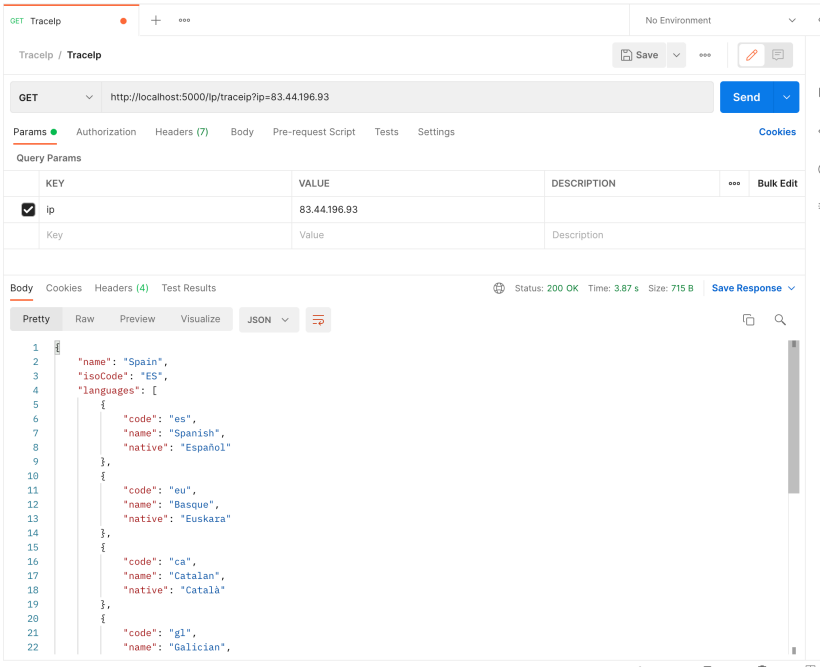
Test API

APIs Available

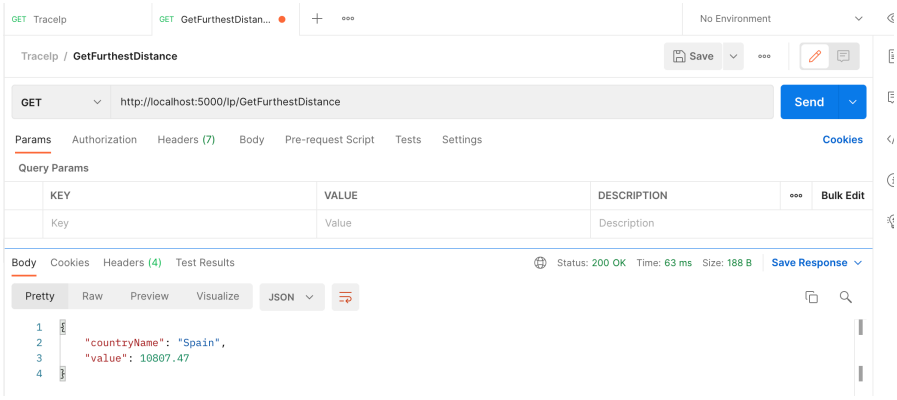
- TraceIp
  - Required param: Ip
- GetFurthestDistance
- GetClosestDistance
- GetAverageDistance

1. Postman:

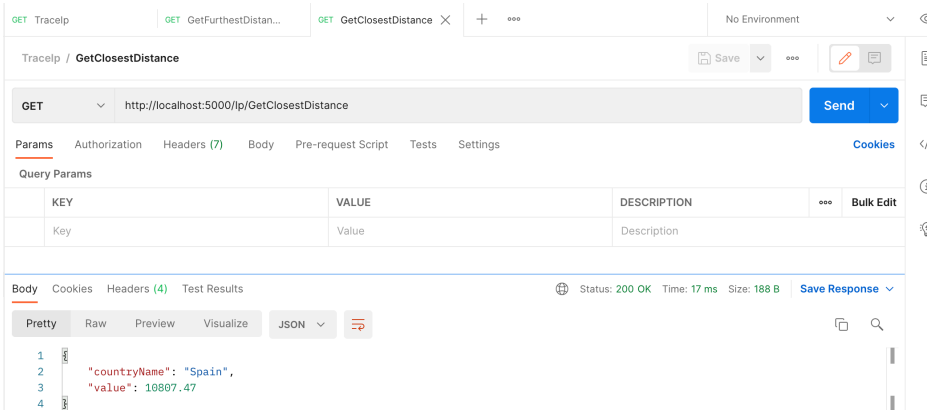
TraceIp : http://localhost:5000/Ip/traceip?ip=83.44.196.93



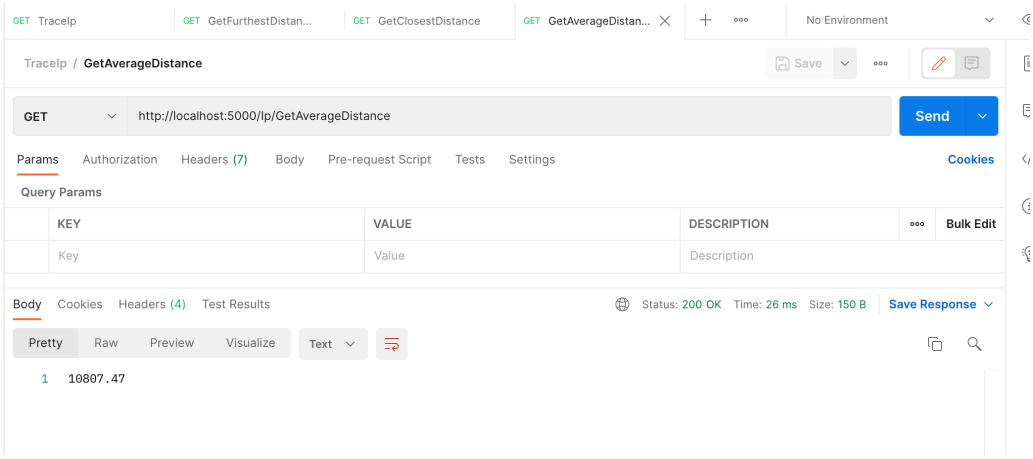
GetFurthestDistance: http://localhost:5000/Ip/GetFurthestDistance



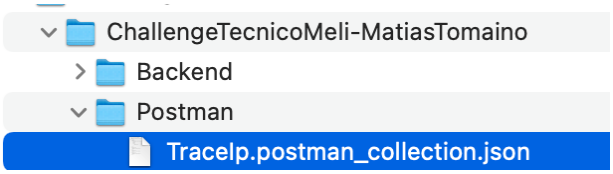
GetClosestDistance: http://localhost:5000/Ip/GetClosestDistance



GetAverageDistance: http://localhost:5000/Ip/GetAverageDistance



There is available a collection example in repository to import in another computer:



2. Curl

In a terminal execute:

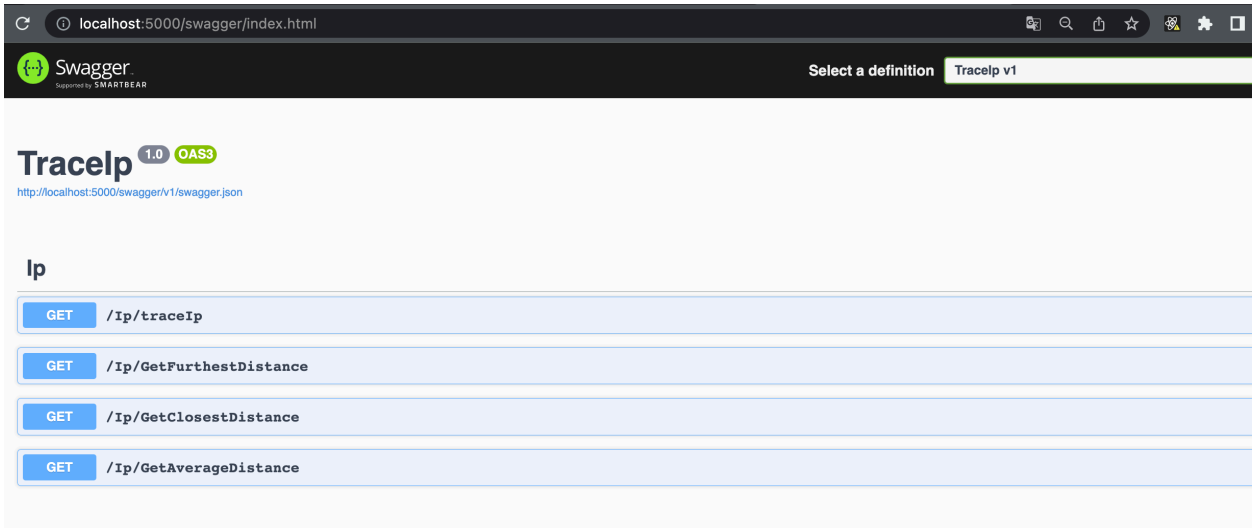
curl --location --request GET 'http://localhost:5000/Ip/traceip?ip=***83.44.196.93***'

```
MacBook-Pro-de-Matias-3:ChallengeTecnicoMeli-MatiasTomaino matii$ curl --location --request GET 'http://localhost:5000/Ip/traceip?ip=83.44.196.93'
{"name":"Spain","isoCode":"ES","languages":[{"code":"es","name":"Spanish","native":"Español"},{"code":"eu","name":"Basque","native":"Euskara"},{"code":"ca","name"
:"Catalan","native":"Català"},{"code":"gl","name":"Galician","native":"Galego"},{"code":"oc","name":"Occitan","native":"Occitan"}],"actualTime":["05:13 (UTC)","06
:13 (UTC+01:00)"],"estimatedDistance":10807.47,"currency":{"code":"EUR","name":"Euro","symbol":"€"},"quotation":null,"currencyAndQuotation":"EUR (1 EUR = 1.05 USD
)","dateTimeRequest":"2022-06-13T05:13:47.9793577+00:00","ip":"83.44.196.93"}MacBook-Pro-de-Matias-3:ChallengeTecnicoMeli-MatiasTomaino matii$
MacBook-Pro-de-Matias-3:ChallengeTecnicoMeli-MatiasTomaino matii$
```

3. Web

Swagger was enabled only for the challenge. Generally Swagger is available only for development environment, but I made an exception so that it can be tested more easily

Access : http://localhost:5000/swagger/index.html

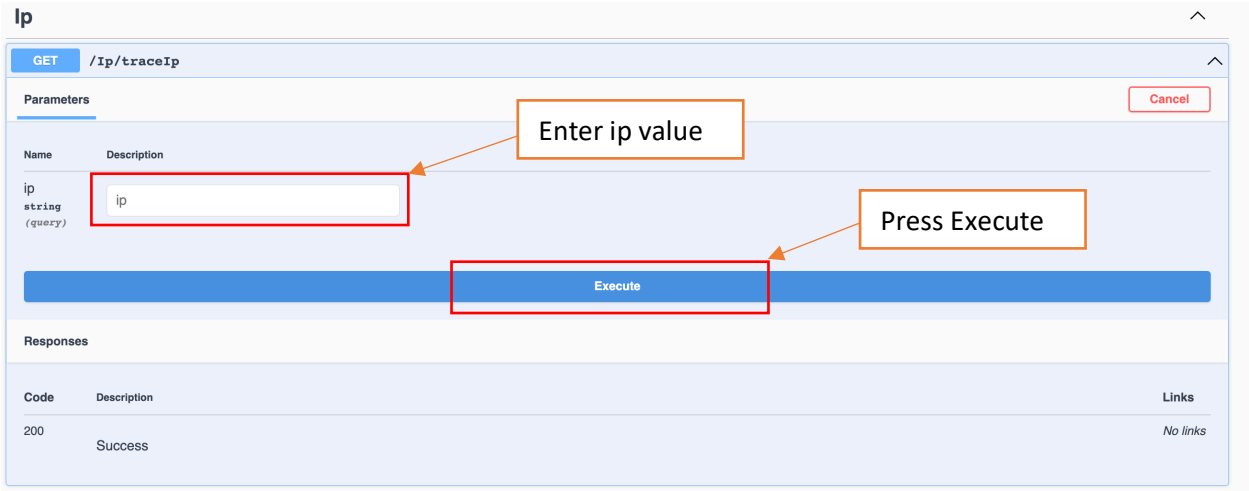


Test:

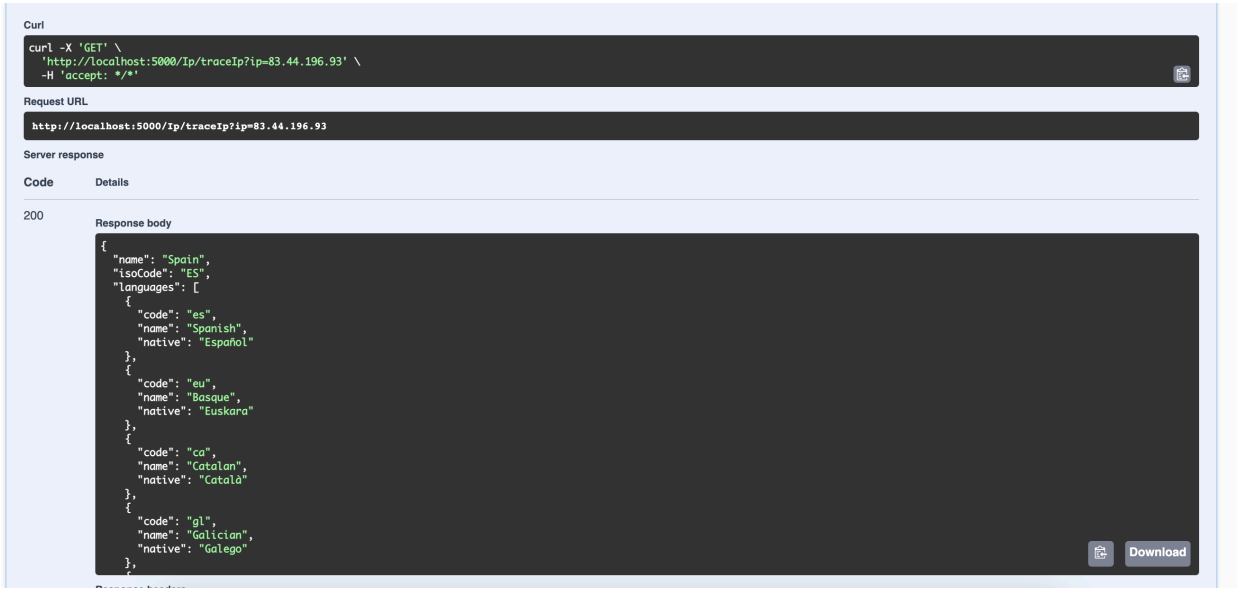
1. Enter to http://localhost:5000/swagger/index.html

2. Choice any Endpoint and click try it out

3. If is necessary, enter the params and press Execute



4. View Result



Curl

```
curl -X 'GET' \
  'http://localhost:5000/Ip/traceIp?ip=83.44.196.93' \
  -H 'accept: */*'
```

Request URL

```
http://localhost:5000/Ip/traceIp?ip=83.44.196.93
```

Server response

Code	Details
200	Response body


```
{
  "name": "Spain",
  "isoCode": "ES",
  "languages": [
    {
      "code": "es",
      "name": "Spanish",
      "native": "Español"
    },
    {
      "code": "eu",
      "name": "Basque",
      "native": "Euskara"
    },
    {
      "code": "ca",
      "name": "Catalan",
      "native": "Català"
    },
    {
      "code": "gl",
      "name": "Galician",
      "native": "Galego"
    },
```


Download