Documentation

Architecture
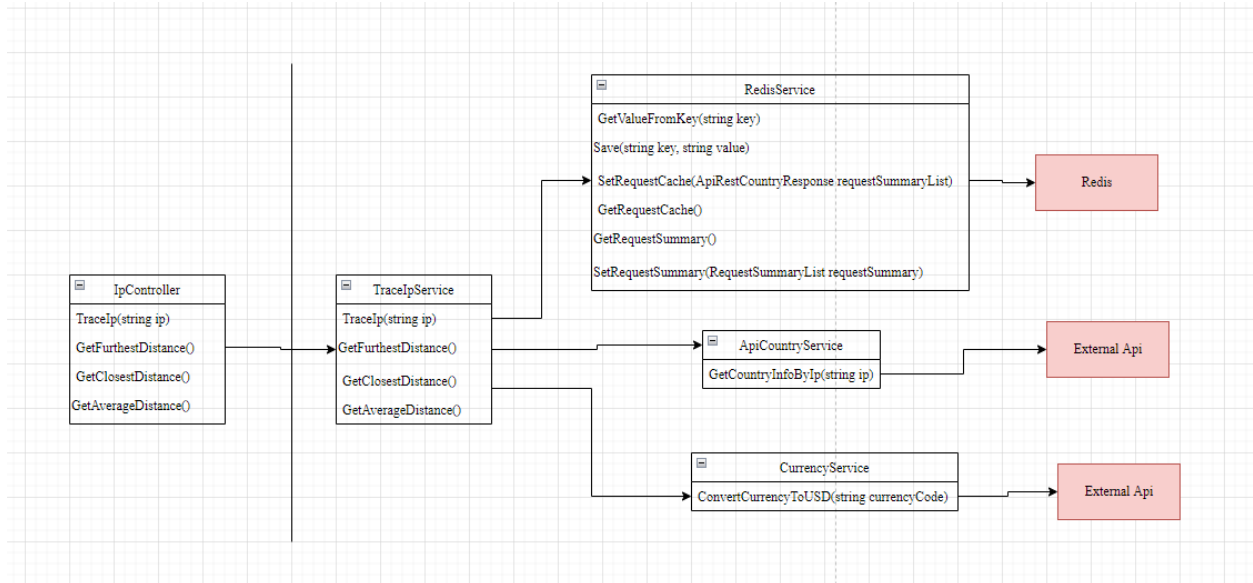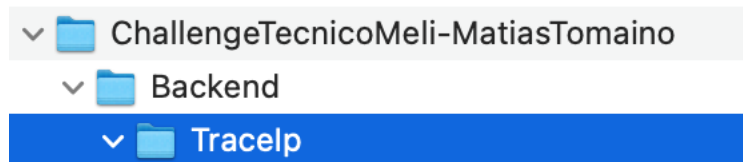

Turn-on the server

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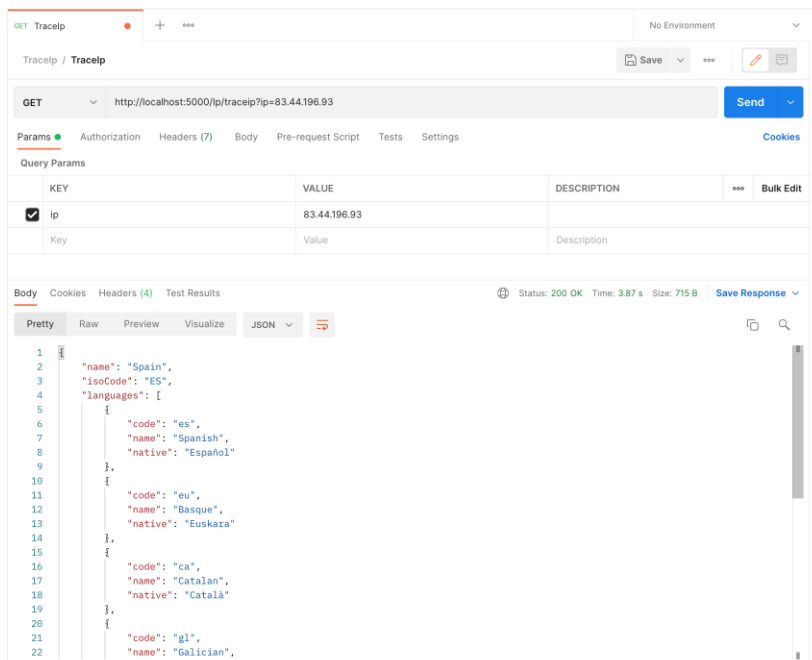
TraceIp : http://localhost:5000/Ip/traceip?ip=83.44.196.93

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:
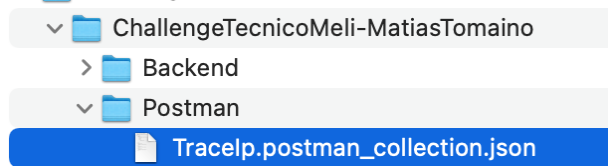
2. Curl

In a terminal execute:

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

3. Swagger

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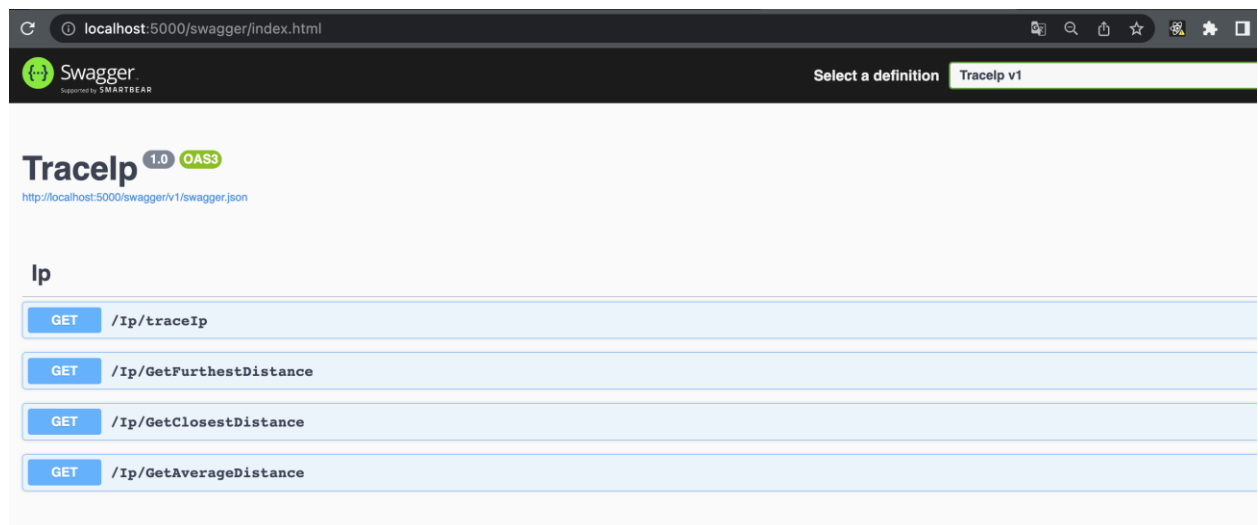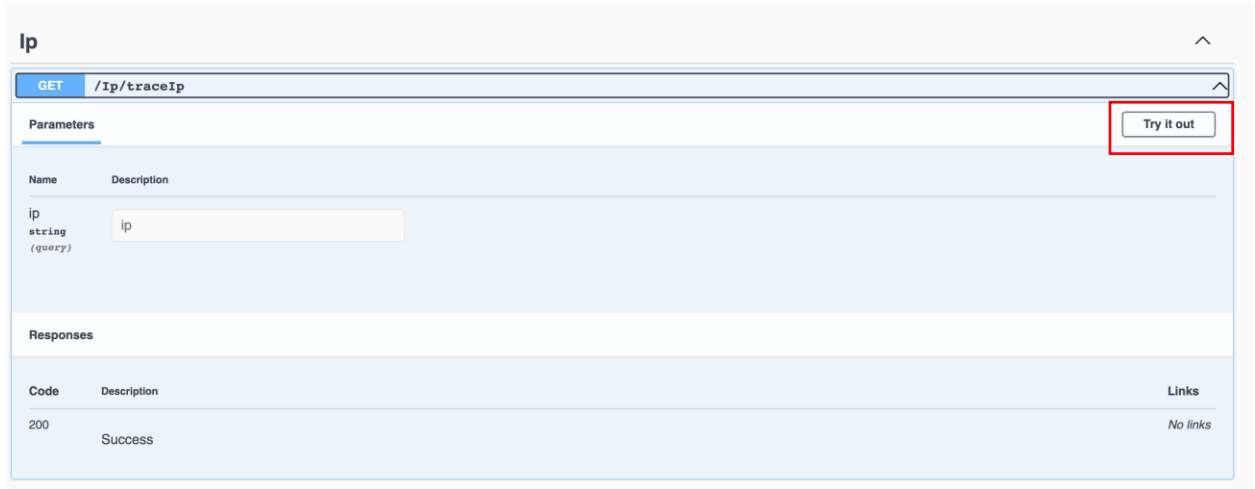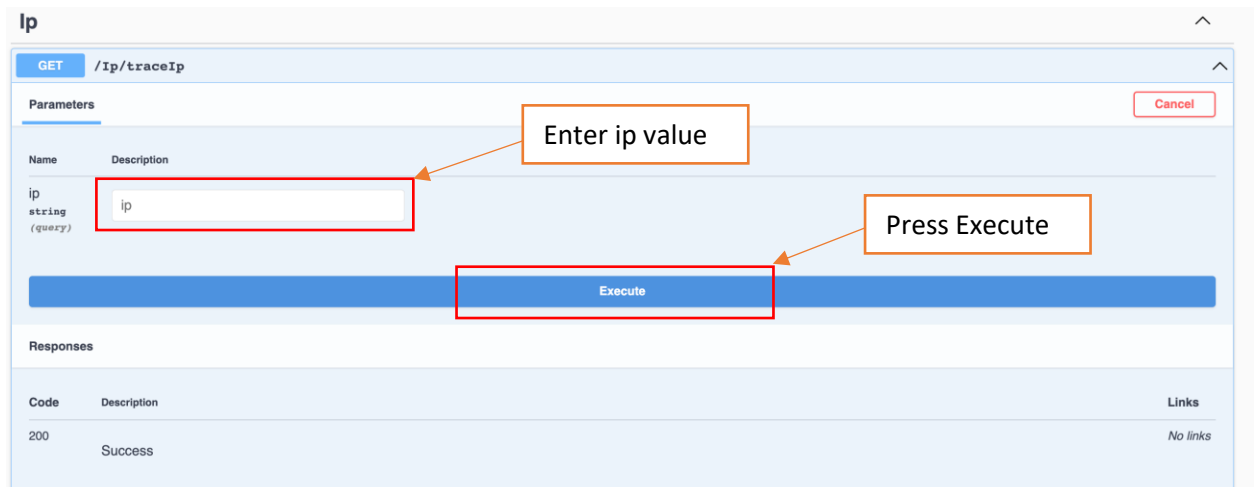
Access : http://localhost:5000/swagger/index.html

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

4. HTML

The last mode to test the apis is with a HTML file, it's in [Repository]/Frontend/index.html

Open the file:

Press buttons:

Challenge Técnico - Tomaino Matias

Trace Ip

Ip	128.201.132.0

Get

Name	Argentina
Iso Code	AR
Languages	Spanish, Guarani,
Currency	ARS (1 ARS = 0.01 USD)
Hours	13:58 (UTC-03:00)
Distance to Buenos Aires	362.11 KM

Application stats

Update stats

Average distance	2011.38 KM
Cosest distance	362.11 KM (Argentina)
Furthest distance	10807.47 KM (Spain)