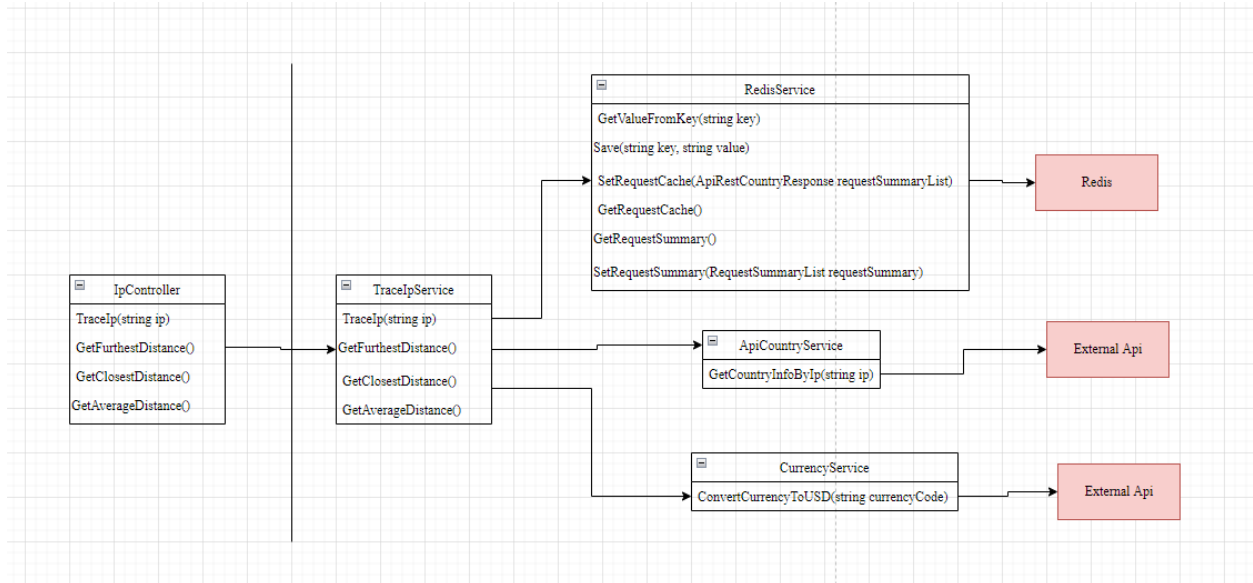


Documentation

Architecture



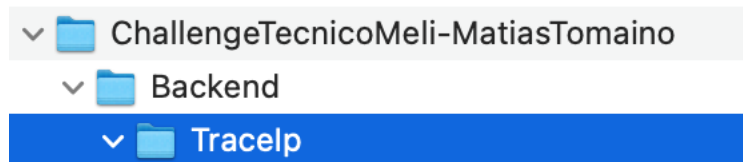
Turn-on the server

Requirements:


Docker.

Steps:

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



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.

Containers [Give Feedback](#) 

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 1 of 1


☐

▼






traceip
 2 containers


STARTED

STATUS






[redis:6.2-alpine](#)
 25444f8eef08  (traceip_cache_1)

1 minute ago running

[traceip-backend](#)
 611fd2df4c3a  (traceip_traceip_1)

1 minute ago running

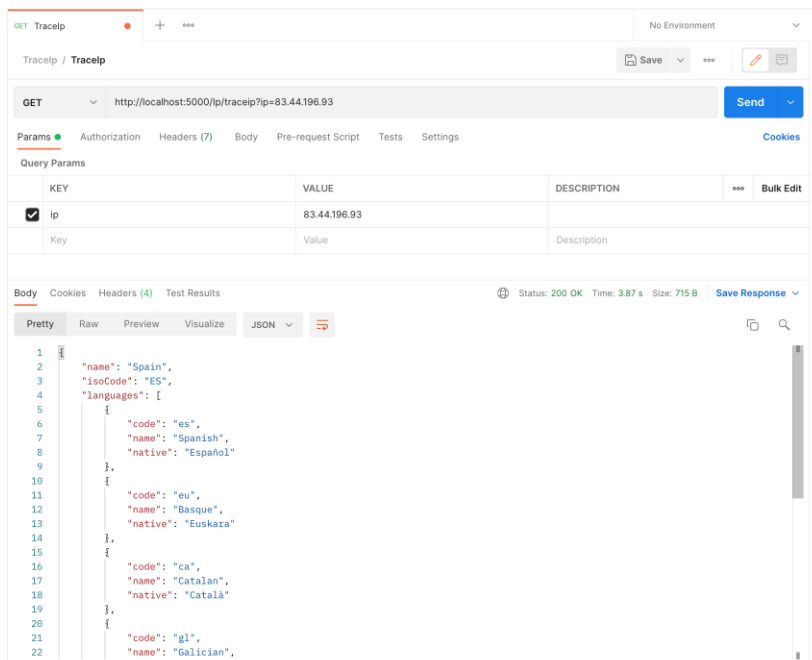
Test API

APIs Available

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

1. Postman:

TraceIp : <http://localhost:5000/ip/traceip?ip=83.44.196.93>



GET TraceIp

TraceIp / TraceIp

GET http://localhost:5000/ip/traceip?ip=83.44.196.93

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
ip	83.44.196.93	

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 3.87 s Size: 715 B Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "name": "Spain",
3   "isoCode": "ES",
4   "languages": [
5     {
6       "code": "es",
7       "name": "Spanish",
8       "native": "Español"
9     },
10    {
11      "code": "eu",
12      "name": "Basque",
13      "native": "Euskara"
14    },
15    {
16      "code": "ca",
17      "name": "Catalan",
18      "native": "Català"
19    },
20    {
21      "code": "gl",
22      "name": "Galician",
  
```

GetFurthestDistance: http://localhost:5000/lp/GetFurthestDistance

Tracelp / GetFurthestDistance

GET http://localhost:5000/lp/GetFurthestDistance Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (4) Test Results Status: 200 OK Time: 63 ms Size: 188 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "countryName": "Spain",
3   "value": 10887.47
4 }
```

GetClosestDistance: http://localhost:5000/lp/GetClosestDistance

Tracelp / GetClosestDistance

GET http://localhost:5000/lp/GetClosestDistance Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (4) Test Results Status: 200 OK Time: 17 ms Size: 188 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "countryName": "Spain",
3   "value": 10887.47
4 }
```

GetAverageDistance: http://localhost:5000/lp/GetAverageDistance

Tracelp / GetAverageDistance

GET http://localhost:5000/lp/GetAverageDistance Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

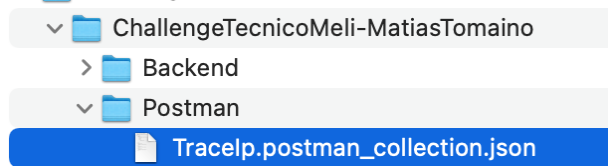
KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (4) Test Results Status: 200 OK Time: 26 ms Size: 150 B Save Response

Pretty Raw Preview Visualize Text

```
1 10887.47
```

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



2. Curl

In a terminal execute:

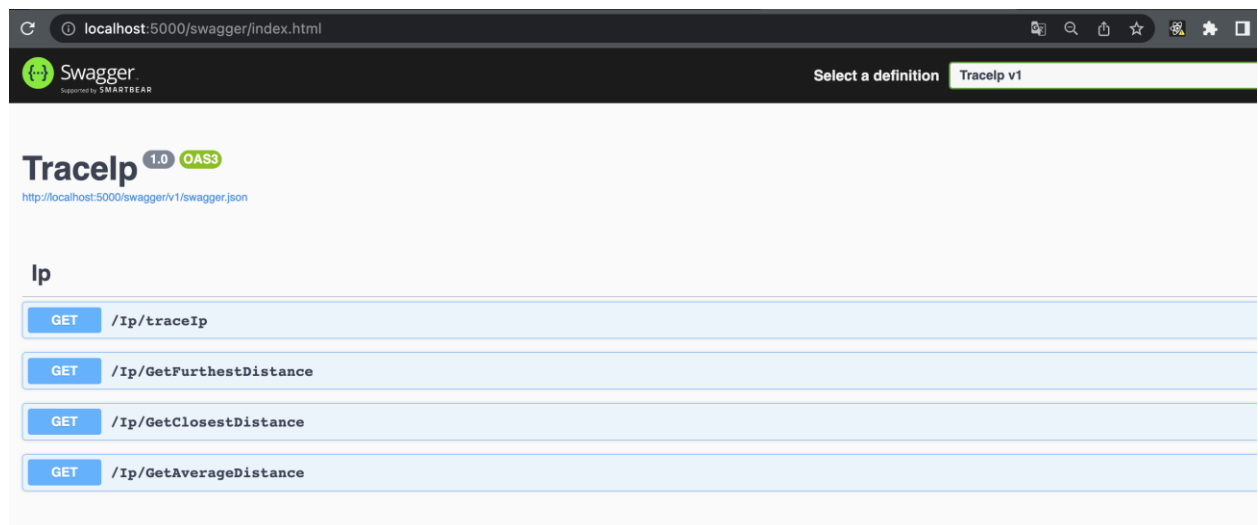
```
curl --location --request GET 'http://localhost:5000/Ip/tracelp?ip=83.44.196.93'
```

```
MacBook-Pro-de-Matias-3:ChallengeTecnicoMeli-MatiasTomaino matias$ curl --location --request GET 'http://localhost:5000/Ip/tracelp?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":10007.47,"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 matias$
```

3. Swagger

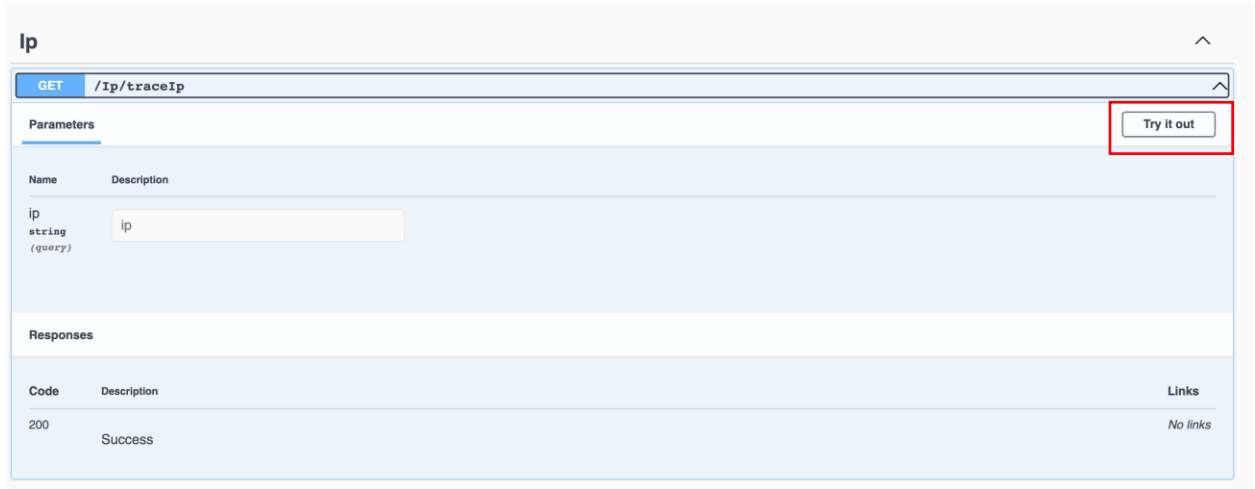
Swagger was enabled only for the challenge. Generally Swagger is available only for development environment, but I made an exception so that it can be tested more easily

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

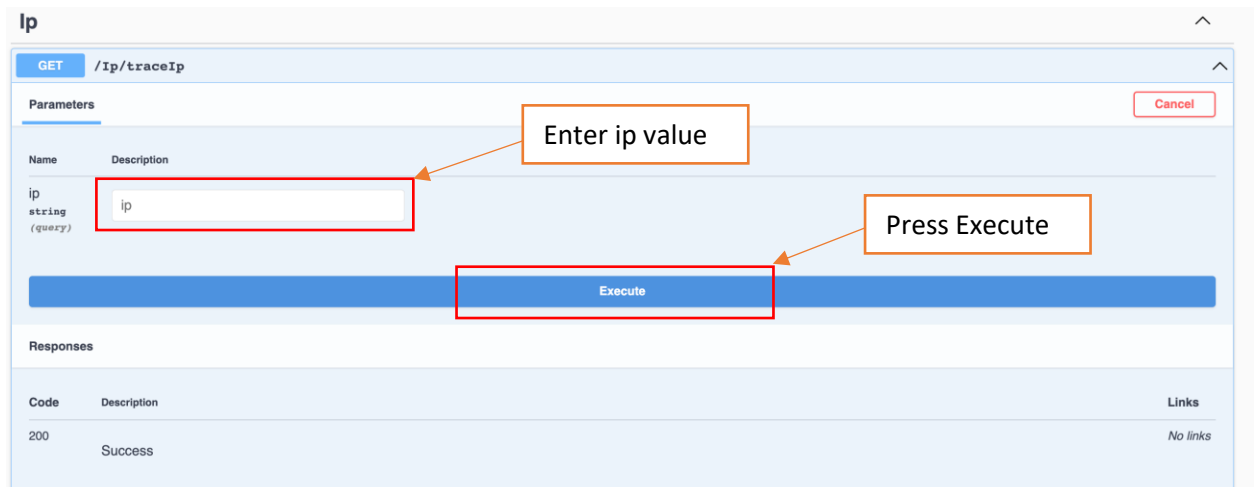


Test:

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

The screenshot shows a web interface for testing a curl command. The 'Curl' section contains the command: `curl -X 'GET' \ 'http://localhost:5000/Ip/traceIp?ip=83.44.196.93' \ -H 'accept: */*'`. The 'Request URL' section shows: `http://localhost:5000/Ip/traceIp?ip=83.44.196.93`. The 'Server response' section shows a status code of 200 and a 'Response body' containing a JSON object:

```
{  "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"    }  ]}
```

4. HTML

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

Open the file:

The screenshot shows a web application titled "Challenge Técnico - Tomaino Matias". The main heading is "Trace Ip". Below it is a form with a label "Ip" and an input field. A blue "Get" button is next to the input field. Below the form, there is a list of labels: "Name", "Iso Code", "Languages", "Currency", "Hours", and "Distance to Buenos Aires". Below this list, there is a heading "Application stats" and a blue "Update stats" button. Below the button, there is a list of labels: "Average distance", "Cocest distance", and "Furthest distance".

Press buttons:

Challenge Técnico - Tomaino Matias

Trace Ip

Ip128.201.132.0

Get

Name
Iso Code
Languages
Currency
Hours
Distance to Buenos Aires

Argentina
AR
Spanish, Guaraní,
ARS (1 ARS = 0.01 USD)
13:58 (UTC-03:00)
362.11 KM

Application stats

Update stats

Average distance
Cosest distance
Furthest distance

2011.38 KM
362.11 KM (Argentina)
10807.47 KM (Spain)