Pcto 5°inc

Group_2

Google Maps API

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Serverless computing

Serverless computing **consists in the use of an external infrastructure to develop and run applications**. The management and operation of these servers is delegated to a third party.
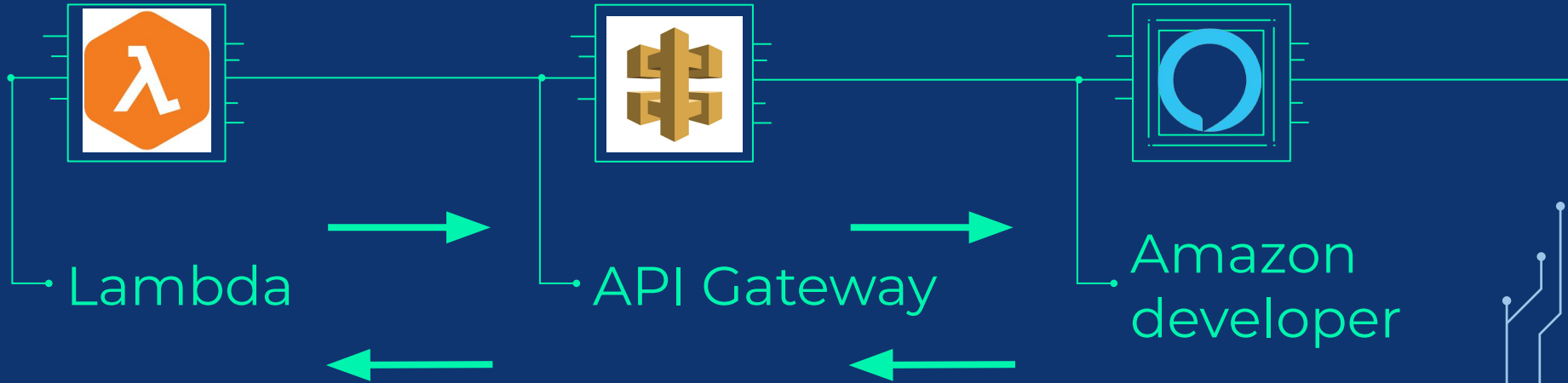
Physical server disadvantages:

1. **Keeping the server up** even when we are not serving out any requests.
2. **Maintenance** of the server and all its resources.
3. Applying **security updates** to the server.

Amazon Web Services
(AWS)

Lambda → API Gateway → Amazon developer

Tasks division

- Reading the requests several times
- Brainstorming to collect all ideas
- Development of the lambda
- Intents and the slot types.
- Developing of the alexa code.
- Testing

Purpose of the project

Design, develop and test an alexa application that is able to:

- Provide the overall length and duration in minutes of a trip knowing the source and the destination.
- Compare different journey duration in different hours of the days.
- Find a place in a city with only the type of the place and the source addresses.

Technology used :

- AMAZON WEB SERVICES (AWS)
  - Lambda
  - Cloud Watch
  - Api Gateway
- Alexa developer console
- Postman
- datetime, json, requests

EXTRA STUFF

Attributi

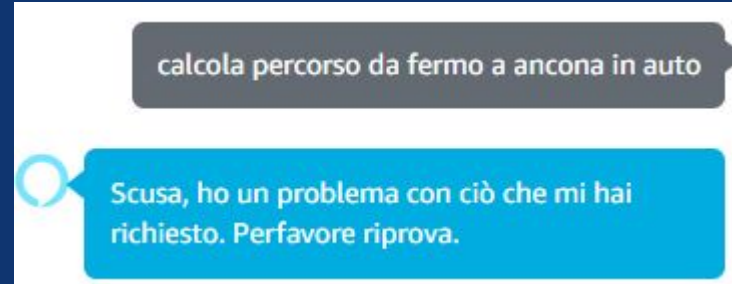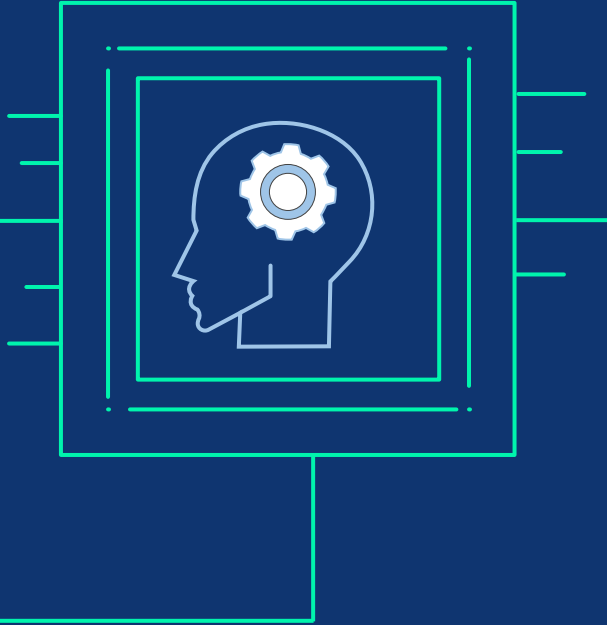| Trova il {place} migliore a {city} nel giro di {radius} metri che sia al massimo {maxprice} |
|---|
| Trova il {place} migliore a {city} nel giro di {radius} metri che sia almeno {minprice} |
| Trova il {place} {rankby} a {city} che sia al massimo {maxprice} |
| Trova il {place} {rankby} a {city} che sia almeno {minprice} |
| Trova un {place} a {city} che sia al massimo {maxprice} |
| Trova un {place} a {city} che sia almeno {minprice} |
| Trova il {place} migliore a {city} nel giro di {radius} metri |
| Trova il {place} {rankby} a {city} |
| Trova un {place} a {city} |

Problems

Debugging alexa developer code

calcola percorso da fermo a ancona in auto

Scusa, ho un problema con ciò che mi hai richiesto. Perfavore riprova.

calcola percorso da fermo a ancona a piedi

```json
{
    "bounds": {
        "northeast": {
            "lat": 43.1627585,
            "lng": 14.1494207
        },
        "southwest": {
            "lat": 41.8997231,
            "lng": 12.4964734
        }
    },
    "copyrights": "Map data ©2022",
    "legs": [
        {
            "distance": {
                "text": "304 km",
                "value": 304096
            },
            "duration": {
                "text": "3 ore 18 min",
                "value": 11896
            },
            "duration_in_traffic": {
                "text": "2 ore 47 min",
                "value": 10022
            },
            "end_address": "63900 Fermo FM, Italia",
            "end_location": {
                "lat": 43.1587756,
                "lng": 13.7200348
            },
            "start_address": "Roma RM, Italia",
            "start_location": {
                "lat": 41.90284949999999,
                "lng": 12.4964734
```

Il percorso da fermo a ancona con durata minima prevede 63,9 km e 13 ore 12 min di viaggio a piedi.

Results

```json
{
    "start": "fermo",
    "end": "roma",
    "choice": "durmin",
    "mode": "walking",
    "traffic": "best_guess",
    "distance": "250 km",
    "duration": "2 giorni 4 ore",
    "departure": "1647073470"
}
```

THANKS FOR LISTENING AND ATTENTION