Lap APR - EXP 10

Open Weather Map - API

Weather API

OpenWeatherMap

Home / Weather API

Our weather API is simple, clear and free. We also offer higher levels of support, please see our paid plan options. To access the API you need to sign up for an API key if you are on a free or paid plan.

Current weather data

API doc Subscribe

- Access current weather data for any location including over 200,000 cities
- Current weather is frequently updated based on global models and data from more than 40,000 weather stations
- Data is available in JSON, XML, or HTML format
- Available for Free and all other paid accounts

5 day / 3 hour forecast

API doc Subscribe

- 5 day forecast is available at any location or city
- 5 day forecast includes weather data every 3 hours
- · Forecast is available in JSON and XML
- Available for Free and all other paid accounts

16 day / daily forecast

API doc Subscribe

- 16 day forecast is available at any location or city
- 16 day forecast includes daily weather
- · Forecast is available in JSON and XML
- · Available for all paid accounts

api.openweathermap.org/data/2.5/<service>?q=<city>,<country>&APPID=<key>

JSON

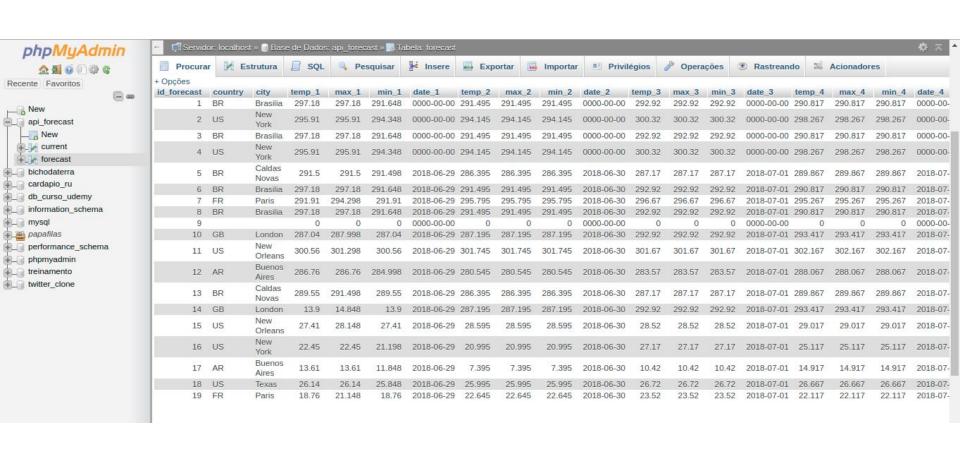
Example of API respond:

```
{"coord":
{"lon":145.77, "lat":-16.92},
"weather":[{"id":803,"main":"Clouds","description":"broken clouds","icon":"04n"}
"base": "cmc stations",
"main":{"temp":293.25, "pressure":1019, "humidity":83, "temp_min":289.82, "temp_max"
"wind":{"speed":5.1, "deg":150},
"clouds":{"all":75},
"rain":{"3h":3},
"dt":1435658272,
"sys":{"type":1,"id":8166,"message":0.0166,"country":"AU","sunrise":1435610796,"
"id":2172797,
"name": "Cairns",
"cod":200}
```

API de previsão do tempo - Open Weather Map

Cidade encontrada!

| oude choriticada. | | | | | | | |
|-------------------|---------------|-------|---|--|--|--|--|
| Cidade | Pais (ex: BR) | Key 1 | * | | | | |
| Consultar | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



Lab APR - Experimento 10

Cidade encontradal

Umidade relativa:

Descrição:

Caio Moreira

Vinicius Oliveira

Forecast API simulation

API - Documentação

API de previsão do tempo - Open Weather Map

56%

clear sky

Cidade País (ex: BR) Key 1 ▼

Consultar

| Cidade: | Moscow | Date: | 2018-06-29 | 2018-06-30 | 2018-07-01 | 2018-07-02 | 2018-07-0 |
|--------------|---------|--------------|------------|------------|------------|------------|-----------|
| País: | RU | Temperature: | 27.4 | 22.645 | 20.52 | 17.767 | 18.017 |
| Temp atual: | 21.5 °C | Temp_min: | 25.148 | 22.645 | 20.52 | 17.767 | 18.017 |
| Temp mínima: | 21 °C | Temp_max: | 27.4 | 22.645 | 20.52 | 17.767 | 18.017 |

Tecnologias usadas

- Apache (XAMPP)
- Banco de dados PHPMYADMIN
- Sublime IDE
- PHP e HTML, com Materialize Framework

Obrigado

Caio Moreira

Vinicius Oliveira

