Lap APR - EXP 10

Open Weather Map - API

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!

Cidade

País (ex: BR)

Key 1 ▼

Consultar

Recente | Favoritos

Procurar | Estrutura | SQL | Pesquisar | Insere | Exportar | Importar | Privilégios | Operações | Rastreando | Acionadores

+ Opções

- New
- api_forecast
  - New
  - current
  - forecast
- bichodaterra
- cardapio_ru
- db_curso_udemy
- information_schema
- mysql
- papafilas
- performance_schema
- phpmyadmin
- treinamento
- twitter_clone

id_forecast	country	city	temp_1	max_1	min_1	date_1	temp_2	max_2	min_2	date_2	temp_3	max_3	min_3	date_3	temp_4	max_4	min_4	date_4
1	BR	Brasilia	297.18	297.18	291.648	0000-00-00	291.495	291.495	291.495	0000-00-00	292.92	292.92	292.92	0000-00-00	290.817	290.817	290.817	0000-00-
2	US	New York	295.91	295.91	294.348	0000-00-00	294.145	294.145	294.145	0000-00-00	300.32	300.32	300.32	0000-00-00	298.267	298.267	298.267	0000-00-
3	BR	Brasilia	297.18	297.18	291.648	0000-00-00	291.495	291.495	291.495	0000-00-00	292.92	292.92	292.92	0000-00-00	290.817	290.817	290.817	0000-00-
4	US	New York	295.91	295.91	294.348	0000-00-00	294.145	294.145	294.145	0000-00-00	300.32	300.32	300.32	0000-00-00	298.267	298.267	298.267	0000-00-
5	BR	Caldas Novas	291.5	291.5	291.498	2018-06-29	286.395	286.395	286.395	2018-06-30	287.17	287.17	287.17	2018-07-01	289.867	289.867	289.867	2018-07-
6	BR	Brasilia	297.18	297.18	291.648	2018-06-29	291.495	291.495	291.495	2018-06-30	292.92	292.92	292.92	2018-07-01	290.817	290.817	290.817	2018-07-
7	FR	Paris	291.91	294.298	291.91	2018-06-29	295.795	295.795	295.795	2018-06-30	296.67	296.67	296.67	2018-07-01	295.267	295.267	295.267	2018-07-
8	BR	Brasilia	297.18	297.18	291.648	2018-06-29	291.495	291.495	291.495	2018-06-30	292.92	292.92	292.92	2018-07-01	290.817	290.817	290.817	2018-07-
9			0	0	0	0000-00-00	0	0	0	0000-00-00	0	0	0	0000-00-00	0	0	0	0000-00-
10	GB	London	287.04	287.998	287.04	2018-06-29	287.195	287.195	287.195	2018-06-30	292.92	292.92	292.92	2018-07-01	293.417	293.417	293.417	2018-07-
11	US	New Orleans	300.56	301.298	300.56	2018-06-29	301.745	301.745	301.745	2018-06-30	301.67	301.67	301.67	2018-07-01	302.167	302.167	302.167	2018-07-
12	AR	Buenos Aires	286.76	286.76	284.998	2018-06-29	280.545	280.545	280.545	2018-06-30	283.57	283.57	283.57	2018-07-01	288.067	288.067	288.067	2018-07-
13	BR	Caldas Novas	289.55	291.498	289.55	2018-06-29	286.395	286.395	286.395	2018-06-30	287.17	287.17	287.17	2018-07-01	289.867	289.867	289.867	2018-07-
14	GB	London	13.9	14.848	13.9	2018-06-29	287.195	287.195	287.195	2018-06-30	292.92	292.92	292.92	2018-07-01	293.417	293.417	293.417	2018-07-
15	US	New Orleans	27.41	28.148	27.41	2018-06-29	28.595	28.595	28.595	2018-06-30	28.52	28.52	28.52	2018-07-01	29.017	29.017	29.017	2018-07-
16	US	New York	22.45	22.45	21.198	2018-06-29	20.995	20.995	20.995	2018-06-30	27.17	27.17	27.17	2018-07-01	25.117	25.117	25.117	2018-07-
17	AR	Buenos Aires	13.61	13.61	11.848	2018-06-29	7.395	7.395	7.395	2018-06-30	10.42	10.42	10.42	2018-07-01	14.917	14.917	14.917	2018-07-
18	US	Texas	26.14	26.14	25.848	2018-06-29	25.995	25.995	25.995	2018-06-30	26.72	26.72	26.72	2018-07-01	26.667	26.667	26.667	2018-07-
19	FR	Paris	18.76	21.148	18.76	2018-06-29	22.645	22.645	22.645	2018-06-30	23.52	23.52	23.52	2018-07-01	22.117	22.117	22.117	2018-07-

Lab APR - Experimento 10

Caio Moreira

Vinicius Oliveira

☀ Forecast API simulation

📋 API - Documentação

API de previsão do tempo - Open Weather Map

Cidade encontrada!

Cidade	País (ex: BR)	Key 1 ▾

Consultar

Cidade:	Moscow
País:	RU
Temp atual:	21.5 °C
Temp mínima:	21 °C
Temp máxima:	22 °C
Umidade relativa:	56%
Descrição:	clear sky

Date:	2018-06-29	2018-06-30	2018-07-01	2018-07-02	2018-07-03
Temperature:	27.4	22.645	20.52	17.767	18.017
Temp_min:	25.148	22.645	20.52	17.767	18.017
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