

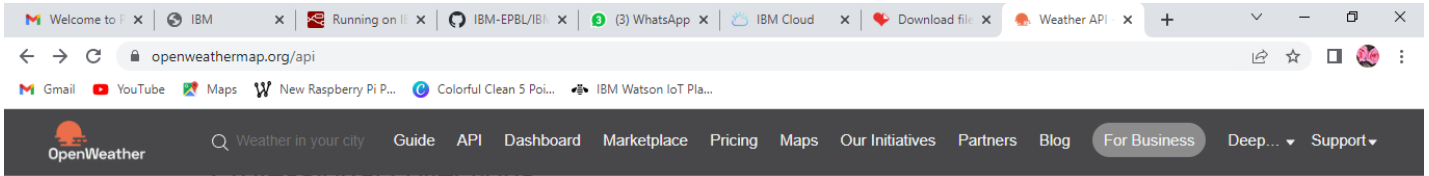
# PREREQUISITES

## Create an account in Open Weather Map website

Date : 18 November 2022

Team ID : PNT2022TMID50268

Project Name Project - SIGNS WITHSMART CONNECTIVITY FOR BETTER ROAD SAFETY



### Professional collections

For professionals and specialists with middle sized project, we recommend our Professional collections, which included [Current & Forecasts collection](#), [Historical weather data collection](#), [Weather Maps collection](#) and other APIs.

For Enterprise level projects we provide Enterprise license, which is included all forecast products and current state, along with alerts, maps, and other products. [Learn more](#)

You can read the [How to Start](#) guide and enjoy using our powerful weather APIs right now.

## Current & Forecast weather data collection

### Current Weather Data

[API doc](#) [Subscribe](#)

- Access current weather data for any location including over 200,000 cities
- We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations
- JSON, XML, and HTML formats
- Included in both free and paid

### Hourly Forecast 4 days

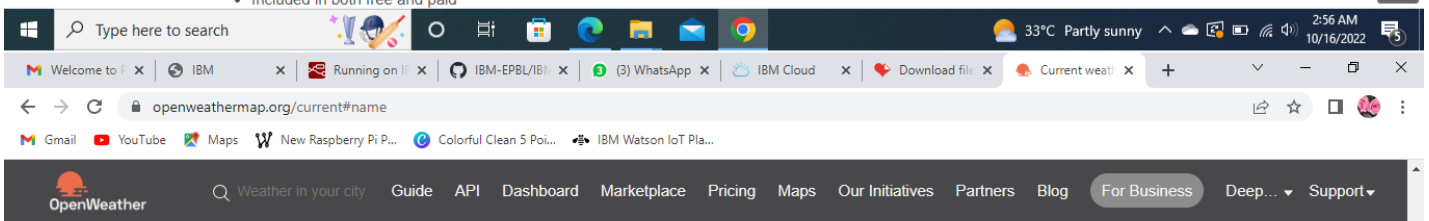
[API doc](#) [Subscribe](#)

- Hourly forecast is available for 4 days
- Forecast weather data for 96 timestamps
- JSON and XML formats
- Included in the Developer, Professional and Enterprise subscription plans

### Daily Forecast 16 days

[API doc](#) [Subscribe](#)

- 16 days forecast is available for any location on the globe
- 1-day step for 16 days
- JSON and XML formats
- Included in all paid subscription plans



### Built-in API request by city name

You can call by city name or city name, state code and country code. Please note that searching by states available only for the USA locations.

#### API call

```
https://api.openweathermap.org/data/2.5/weather?q={city name}&appid={API key}
```

```
https://api.openweathermap.org/data/2.5/weather?q={city name},{country code}&appid={API key}
```

```
https://api.openweathermap.org/data/2.5/weather?q={city name},{state code},{country code}&appid={API key}
```

#### Parameters

**q** required City name, state code and country code divided by comma, Please, refer to [ISO 3166](#) for the state codes or country codes. You can specify the parameter not only in English. In this case, the could be returned in the same language as the

Call current weather data

How to make an API call

Bulk downloading

Weather fields in API response

JSON

XML

List of condition codes

Min/max temperature in current weather

API and forecast API

Other features

Geocoding API

Built-in geocoding

[Built-in API request by city name](#)

[Built-in API request by city ID](#)

[Built-in API request by ZIP code](#)

Format

Units of measurement

Multilingual support

Call back function for JavaScript code

```
Welcom x IBM x Running x IBM-EPE x (2) V x https://e x IBM Clo x Downlo x Weather x New Tab x +
api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=130119e35aef80e3e522887636e649bf
Gmail YouTube Maps W New Raspberry Pi P... Colorful Clean 5 Poi... IBM Watson IoT Pla...

{"coord":{"lon":80.2785,"lat":13.0878},"weather":[{"id":802,"main":"Clouds","description":"scattered clouds","icon":"03d"}],"base":"stations","main":{"temp":306.14,"feels_like":313.14,"temp_min":306.14,"temp_max":306.14,"pressure":1007,"humidity":62},"visibility":6000,"wind":{"speed":4.63,"deg":120},"clouds":{"all":40},"dt":1665914271,"sys":{"type":1,"id":9218,"country":"IN","sunrise":1665880148,"sunset":1665922775},"timezone":19800,"id":1264527,"name":"Chennai","cod":200}
```

Type here to search

33°C Partly sunny

2:59 AM 10/16/2022

Welcom x IBM x Running x IBM-EPE x (2) Wha x https://e x IBM Clo x Downlo x Find - O x New Tab x +

openweathermap.org/find?q=chennai

Gmail YouTube Maps W New Raspberry Pi P... Colorful Clean 5 Poi... IBM Watson IoT Pla...

OpenWeather

Weather in your city

Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business Deep... Support

Weather in your city

chennai

Search

Chennai, IN

scattered clouds

33°C

temperature from 33 to 33 °C, wind 3.6 m/s, clouds 40 %, 1007 hpa

Geo coords [\[13.0878, 80.2785\]](#)

Search engine is very flexible. How it works:

- To make it more precise put the city's name, comma, 2-letter country code (ISO3166). You will get all proper cities in chosen country. The order is important - the first is city name then comma then country. Example - London, GB or New York, US.

Plesk

Benefit from the free cGroups Manager to take control of your CPU,

SIGN UP

Type here to search

33°C Partly sunny

3:00 AM 10/16/2022