

## **PREREQUISITES**

### **Create an account in Open Weather Map website**

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Team ID : PNT2022TMID45862

Project Name Project - SIGNS WITH SMART 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

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](#)

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