

**PREREQUISITES**  
**CREATE AN ACCOUNT OPEN**  
**WEATHERMAP WEBSITE**  
**Team ID : PNT2022TMID31446**

**Project Name Project - SIGNS WITH SMART  
CONNECTIVITY FOR BETTER ROAD SAFE**

Welcome to Project! Delighted to... x IBM x IBM-Project-20178-1659714220/ x WhatsApp x Current weather data - OpenWe... x

openweathermap.org/current

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**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 API response should be returned in the same language as the language of requested location name if the location is in our predefined list of more than 200,000 locations.
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**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

Type here to search

28°C Mostly cloudy 09:40 30-10-2022

## 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 subscriptions

### 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

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You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.

Key	Name	Status	Actions
c206723844926cbbcddcd5dfadd5ee56	kamaraj	Active	<div><div></div><div></div><div></div></div>
f67f74461bc019cbd0bef659486a5aed	kamaraj	Active	<div><div></div><div></div><div></div></div>
91fce37b3b01ceed92504c950a2291de	SALEM.IN	Active	<div><div></div><div></div><div></div></div>

Create key

API key name

Generate

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FAQ

Company

OpenWeather is a team of IT experts and data scientists that has been practising deep weather data science since 2014. For each point on the globe, OpenWeather provides historical, current and forecasted weather data via light-speed APIs. Headquarters in London, UK.

Type here to search29°C Mostly cloudy11:2130-10-2022

