

# PREREQUISITES

## Create an Account in Open weather Map Website

Team ID	PNT2022TMID44448
Project Name	Project Name - Signs with Smart Connectivity for better Road Safety.
Mentor	D.Nivethini

## Create Account open weather Map

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home.openweathermap.org/users/sign\_up

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☐ System news (API usage alert, system update, temporary system shutdown, etc)

☐ Product news (change to price, new product features, etc)

☐ Corporate news (our life, the launch of a new service, etc)

☒ I'm not a robot

reCAPTCHA Privacy - Terms

Create Account

**Product Collections**

Current and Forecast APIs

Historical Weather Data

Weather Maps

**Subscription**

How to start

Pricing

Subscribe for free

**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

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27°C Cloudy 8:32 PM 11/8/2022

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openweathermap.org/api

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OpenWeather

Weather in your city

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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 docSubscribe

- 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 docSubscribe

- 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 docSubscribe

- 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

Create an account....pdfShow all

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30°C Cloudy9:44 PM11/8/2022



# Successfully to create account and API key is Generated

The screenshot shows the OpenWeather API keys management interface. A green notification box at the top states "API key was created successfully". Below this, a light blue box informs the user: "You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them." The main content area features a table of API keys and a "Create key" section.

Key	Name	Status	Actions
bb71b2c105ed969cadf7adad19b8a867	Default	Active	
e77705c13c50e9aeb083e1c388f904c	qwertyuiop	Active	

**Create key**

API key name

The browser's address bar shows the URL `home.openweathermap.org/api_keys`. The Windows taskbar at the bottom indicates the system time is 10:39 PM on 11/8/2022, with a weather forecast of 31°C Cloudy.

# Current Weather Details

```
api.openweathermap.org/data/2.5/weather?q=London,uk&appid=bb71b2c105ed969cadf7adad19b8a867

{"coord":{"lon":-0.1257,"lat":51.5085},"weather":[{"id":804,"main":"Clouds","description":"overcast clouds","icon":"04n"}],"base":"stations","main":{"temp":283.34,"feels_like":282.82,"temp_min":282.45,"temp_max":284.15,"pressure":1001,"humidity":92},"visibility":10000,"wind":{"speed":3.6,"deg":210},"clouds":{"all":100},"dt":1667976623,"sys":{"type":2,"id":2075535,"country":"GB","sunrise":1667977671,"sunset":1668010851},"timezone":0,"id":2643743,"name":"London","cod":200}
```



