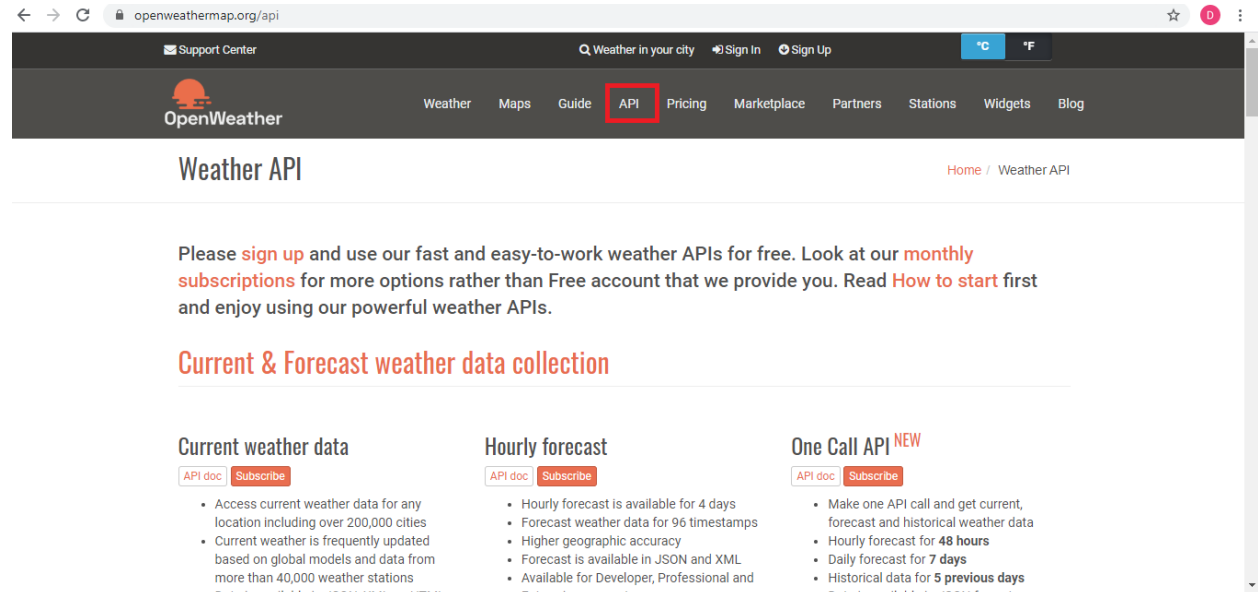


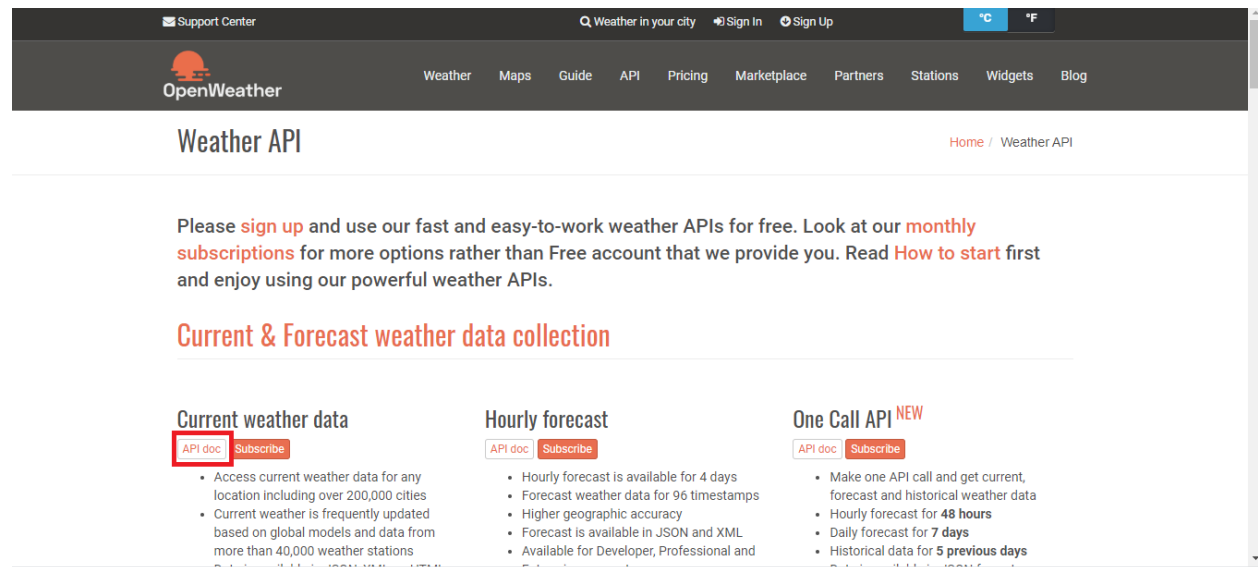
Sending Http request to Open weather map website to get the weather data

- First we need to signup for <https://openweathermap.org/> website and then login.
- After logging in we need to get the weather api using which we can get the weather details.click on the API option present in the menu.



You will be redirected to below page where you need to select current weather data api doc.

Select the apidoc option which is present under the current weather data option.



You will be redirected to below page where you will have different apis like to get the eather parameters using cityname or zipcode etc.

So now we are going to retrieve the weather data by using the city name. On the right side select the option as “By city name”.

Support Center Weather in your city Sign In Sign Up °C °F

OpenWeather Weather Maps Guide API Pricing Marketplace Partners Stations Widgets Blog

Current weather data

Home / API / Current weather

Access current weather data for any location on Earth 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.

We provide 40-year Historical weather data for ANY location. The price is highly competitive - only **10\$** per location! [Learn more](#)

Call current weather data for one location

Please remember that all Examples of API calls that listed on this page are just samples and do not have any connection to the real API service!

- Call current weather data for one location
 - By city name
 - By city ID
 - By geographic coordinates
 - By ZIP code
- Call current weather data for several cities
 - Cities within a rectangle zone
 - Cities in cycle
 - Call for several city IDs
- Bulk downloading
- Parameters of API response
 - JSON
 - XML
 - List of condition codes

You will get the below page, there you will have api's. you can choose the first api.

Copy the api and keep it aside.

← → ↻ openweathermap.org/current#name ☆ 0

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match a searching word.

API call:

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

`api.openweathermap.org/data/2.5/weather?q={city name},{state}&appid={your api key}`

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

Parameters:

q city name, state and country code divided by comma, use ISO 3166 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.

Examples of API calls:

`api.openweathermap.org/data/2.5/weather?q=London`

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

Searching by states available only for the USA locations.

There is a possibility to receive a central district of the city/town with its own parameters (geographic coordinates/id/name) in API response. [Example](#)

By city ID

Get a \$200 monthly credit for the world's favorite maps platform.

Try for free

Now we need to give the city name and apikey in our API.

To get the apikey click on the signin option you will be redirected to other page.

openweathermap.org/current#name

Support Center Weather in your city Sign In Sign Up °C °F

OpenWeather Weather Maps Guide API Pricing Marketplace Partners Stations Widgets Blog

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https://openweathermap.org

In the below page you click on API keys option to get your APIKey


Support Center Weather in your city Hello divya nemuri Logout

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Alert

You are already signed in.

New Products Services **API keys** Billing plans Payments Block logs Marketplace My orders My profile



HISTORICAL WEATHER FOR ANY LOCATION

Our new technology, Time Machine, has allowed us to enhance the data in the **Historical Weather Collection**.

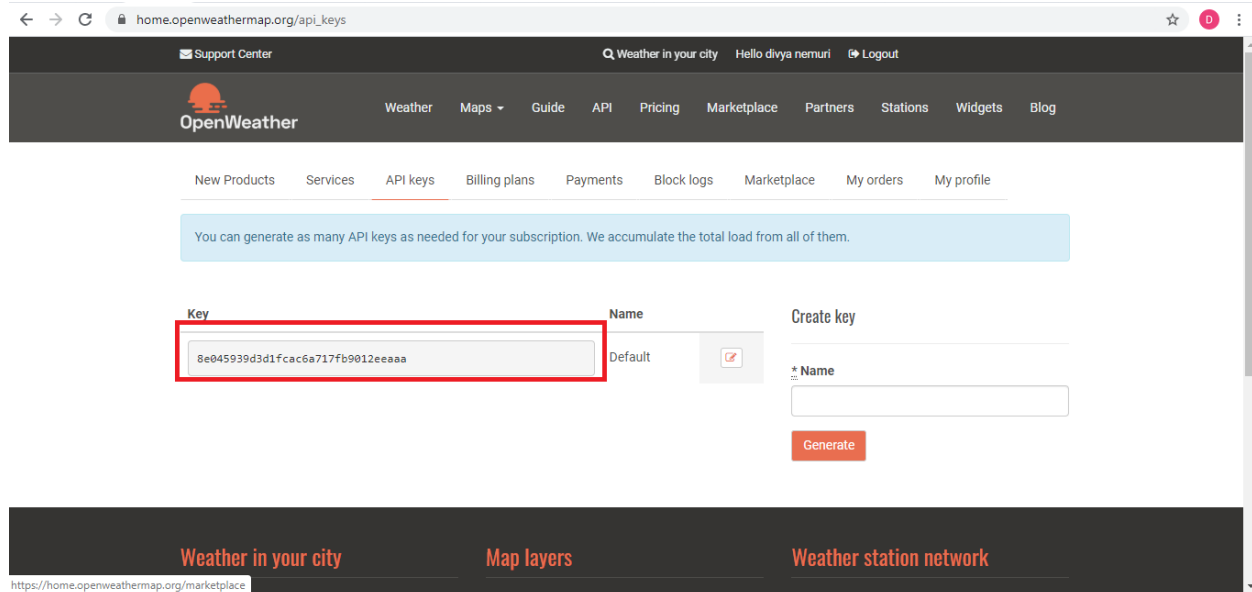
- Historical weather data available for **ANY** coordinate
- The depth of historical data have been extended to **40 YEARS**

You can download data from **Personal account** or **contact us** to order it. The price is highly competitive - only **10\$** per location!

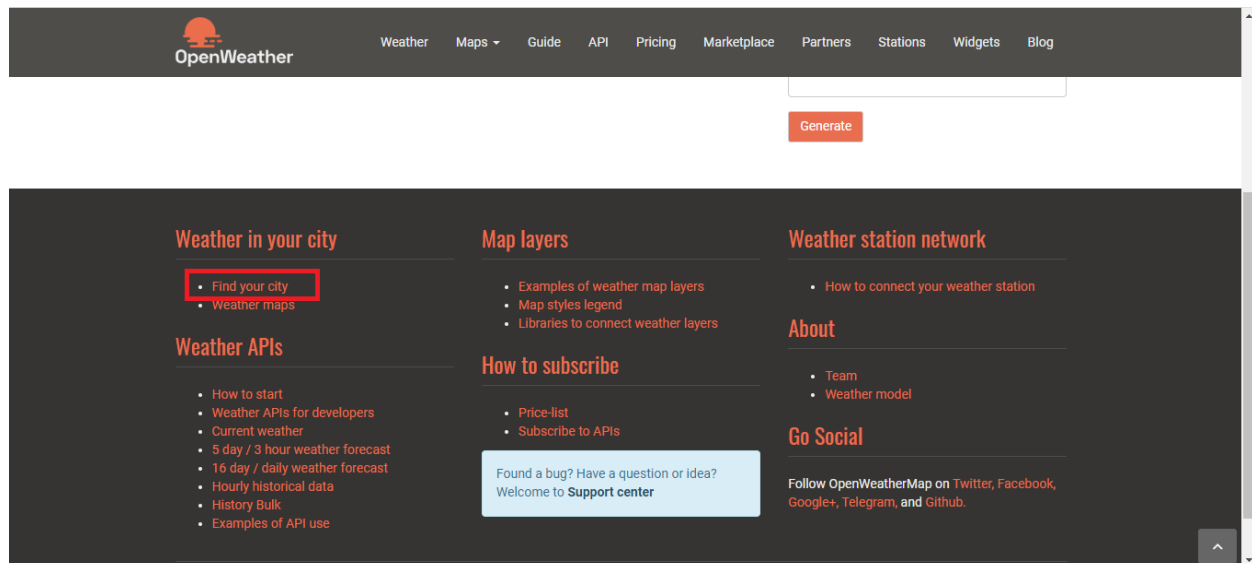
[LEARN MORE](#) [GO TO PURCHASE](#)

You will get the below page where you will have an apikey by default or if you don't have any apikey you can generate it by clicking on the generate key option.

Copy the apikey and keep it aside.

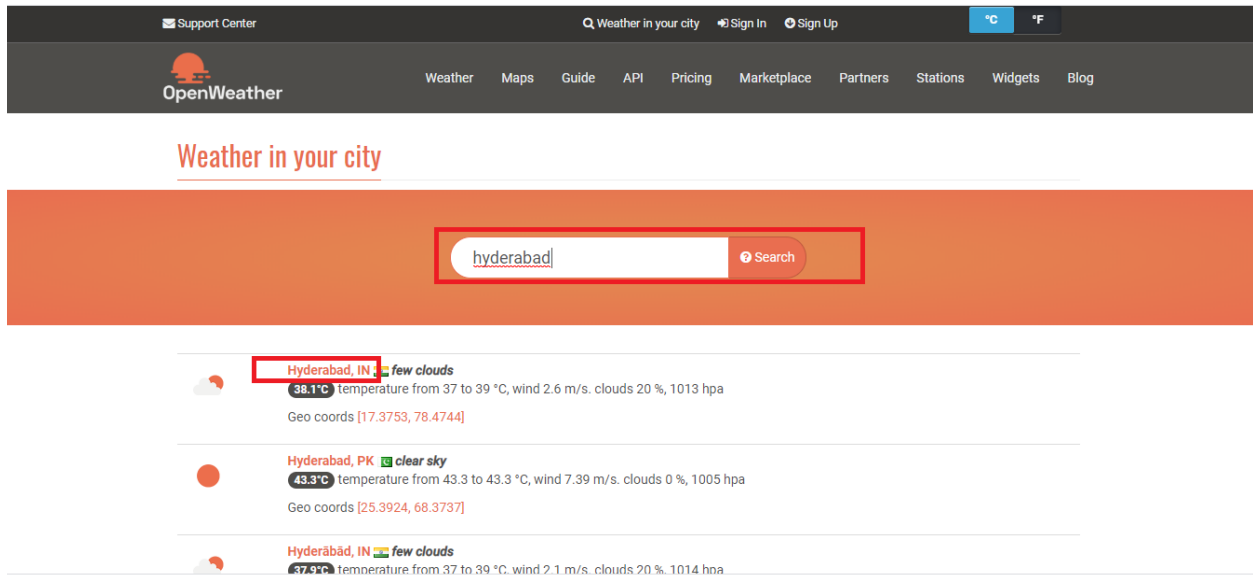


Now we need to get the city name which we need to give in the api. so scroll down in that page and click on the find your city option.



In the below page you will find the search bar there you search for your city.

You will get your city name along with the country name. copy that as we need to use them.



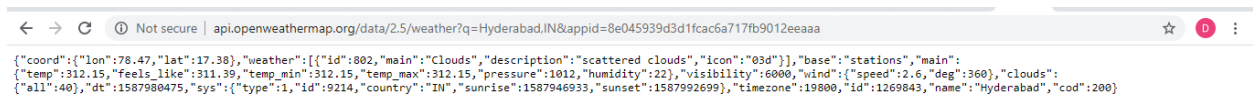
My city is Hyderabad so I when I searched for Hyderabad I got Hyderabad,IN so I need to use my city name as “Hyderabad,IN” in my API.

This is the api which I used to get the data in which you need to give your city code and apikey.

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

`api.openweathermap.org/data/2.5/weather?q=Hyderabad, IN&appid=8e045939d3d1fcac6a717fb9012eaaaa`

if you hit the above url in browser you need to get the weather data.



If you get the weather data. Then you can proceed further.using this url you can get the data in your web or mobile app also.