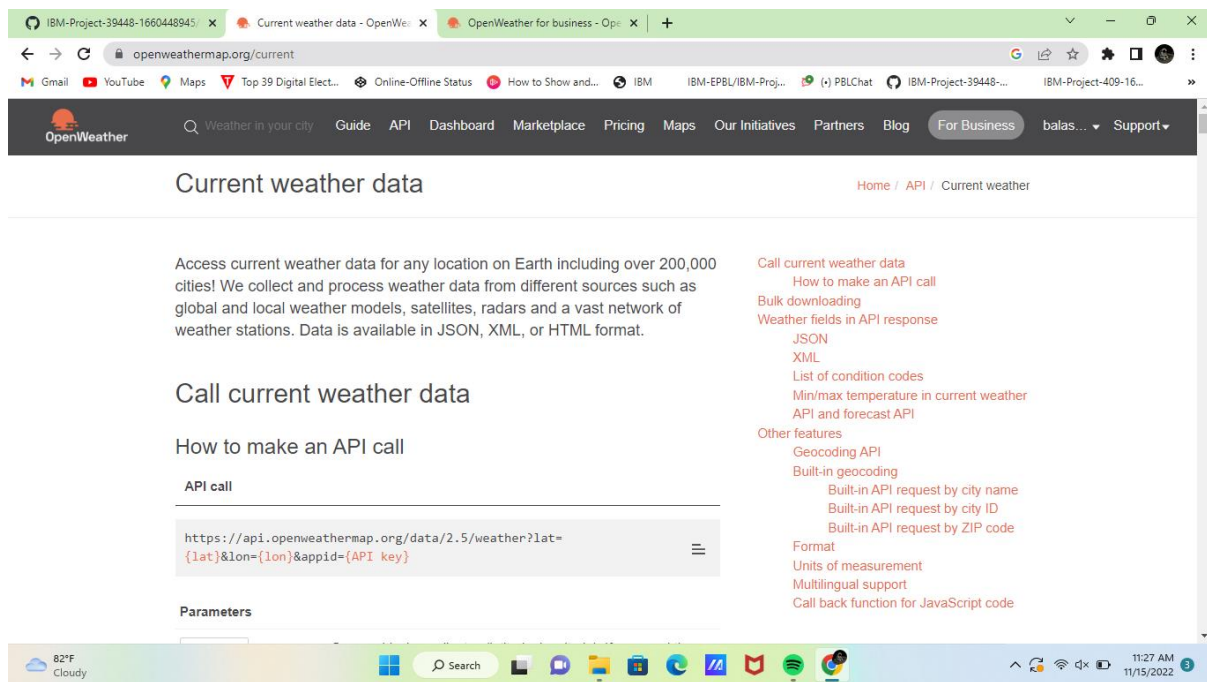


PREREQUISITES

Create an account open weathermap website

Team ID : PNT2022TMID31413

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



The screenshot displays the OpenWeatherMap website's 'Current weather data' page. The navigation bar at the top includes links for 'Weather in your city', 'Guide', 'API', 'Dashboard', 'Marketplace', 'Pricing', 'Maps', 'Our Initiatives', 'Partners', 'Blog', 'For Business', 'balas...', and 'Support'. The main content area features a description of the API, a 'Call current weather data' section, and a 'How to make an API call' section. A sidebar on the right lists various API features and endpoints.

Current weather data

Access current weather data for any location on Earth 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. Data is available in JSON, XML, or HTML format.

Call current weather data

How to make an API call

API call

```
https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&appid={API key}
```

Parameters

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

IBM-Project-39448-1660448945 x Current weather data - OpenWe x OpenWeather for business - Ope x +

openweathermap.org/current

OpenWeather

Weather in your city Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business balas... Support

Parameters

| | | |
|----------|----------|---|
| lat, lon | required | Geographical coordinates (latitude, longitude). If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way around, please use our Geocoding API . |
| appid | required | Your unique API key (you can always find it on your account page under the "API key" tab) |
| mode | optional | Response format. Possible values are <code>xml</code> and <code>html</code> . If you don't use the <code>mode</code> parameter format is JSON by default. Learn more |
| units | optional | Units of measurement. <code>standard</code> , <code>metric</code> and <code>imperial</code> units are available. If you do not use the <code>units</code> parameter, <code>standard</code> units will be applied by default. Learn more |
| lang | optional | You can use this parameter to get the output in your language. Learn more |

Please use [Geocoder API](#) if you need automatic convert city names and zip-codes to geo coordinates and the other way around.

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

82°F Cloudy

Search

11:27 AM 11/15/2022
















IBM-Project-39448-1660448945 x Members x +

home.openweathermap.org/api_keys

OpenWeather

Weather in your city Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business balas... Support

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 |
|----------------------------------|---------|--------|---|
| 957d6dff14bdd5b40faba25e1cbc88eb | Default | Active |    |
| 7104ae33bdb59fa2eb3fe66c927ffb9b | bala | Active |    |
| 18be5d23371885fe67b38a4c491a814d | arun | Active |    |
| 2163bfeaf3c0fe943d52df9c3dce8393 | aakash | Active |    |
| 09bb74d33d9f4743859d5e24ae816 | manoj | Active |    |

Create key

API key name

Generate

82°F Cloudy

Search

11:24 AM 11/15/2022

IBM-Project-39448-1660448945 x Weather forecast - OpenWeather x

openweathermap.org/city/1273865

Gmail YouTube Maps Top 39 Digital Elect... Online-Offline Status How to Show and... IBM IBM-EPBL/IBM-Proj... PBLChat IBM-Project-39448-... IBM-Project-409-16...

OpenWeather Weather in your city Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business balas... Support

Nov 15, 11:25am

Coimbatore, IN

27°C

Feels like 28°C. Haze. Light breeze

2.6m/s NE

1016hPa

Humidity: 65%

UV: 9

Dew point: 20°C

Visibility: 5.0km

KOZHIKODE

TIRUPPUR

COIMBATORE

ERODE

TAMIL NADU

No precipitation within an hour

11:25am

11:40am

11:55am

12:10pm

12:25pm

0mm/h

Hourly forecast

10am 11am 12pm 1pm 2pm 3pm 4pm 5pm 6pm 7pm

28°

26°

24°

22°

20°

0% 3% 70% 75% 71% 67% 63% 64% 72%

8-day forecast

Tue, Nov 15

27 / 20°C

light rain

Wed, Nov 16

28 / 20°C

moderate rain

Thu, Nov 17

28 / 20°C

light rain

Fri, Nov 18

27 / 18°C

overcast clouds

Sat, Nov 19

25 / 18°C

overcast clouds

Sun, Nov 20

26 / 18°C

overcast clouds

82°F Cloudy

Search

11:25 AM 11/15/2022