

PREREQUISITES

Create an account in Open Weather Map website

Date	15 October 2022
Team ID	PNT2022TMID17220
Project Name	Signs with Smart Connectivity for Better Road Safety

The screenshot displays the OpenWeather API documentation page for current weather data. The browser's address bar shows the URL `docs.openweathermap.org/current`. The page header includes the OpenWeather logo and navigation links: "How to start", "API docs" (active), "Libraries", "GitHub repo", "Blog", and "Support".

Current weather data

Home / API / Current weather

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

The Windows taskbar at the bottom shows the system clock as 14:27 on 11-11-2022, with weather information indicating 72°F and "Raining now".

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docs.openweathermap.org/uk/current

OpenWeather

How to start API docs Libraries GitHub repo Blog 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 `xml` and `html`. If you don't use the `mode` parameter format is JSON by default. [Learn more](#)

units

optional

Units of measurement. `standard`, `metric` and `imperial` units are available. If you do not use the `units` parameter, `standard` units will be applied by default. [Learn more](#)

lang

optional

You can use this parameter to get the output in your language. [Learn more](#)

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You can use the geocoder built into this API by default, but please note that this

72°F Raining now

Search

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openweathermap.org/city/1264527

OpenWeather

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

Weather forecasts, nowcasts and history in a fast and elegant way

chennai

Search

Chennai, IN

26°C

13,088, 80,278

Nov 11, 02:30pm

Chennai, IN

27°C

Heavy Rain

Feels like 31°C. Light intensity drizzle. Gentle Breeze

0.10mm 5.1m/s NNE

1008hPa Humidity: 94% UV: 0

Dew point: 26°C Visibility: 1.5km

TIRUPATI

CHENNAI

VELLORE

Precipitation will end within 1 minute

now 15min 30min 45min 60min

02:30pm 02:45pm 03:00pm 03:15pm 03:30pm

0mm/h 0.5mm/h 2mm/h 5mm/h

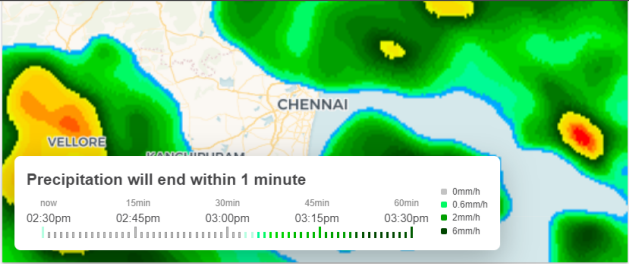
Chennai, IN

27°C

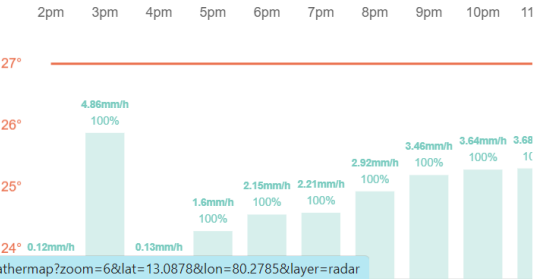
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☁ 0.10mm 🌬 5.1m/s NNE
🌡 1008hPa Humidity: 94% UV: 0
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Hourly forecast



8-day forecast

Fri, Nov 11	27 / 25°C	heavy intensity rain
Sat, Nov 12	27 / 24°C	heavy intensity rain
Sun, Nov 13	27 / 25°C	moderate rain
Mon, Nov 14	28 / 25°C	moderate rain
Tue, Nov 15	28 / 25°C	light rain
Wed, Nov 16	27 / 24°C	overcast clouds

https://openweathermap.org/weathermap?zoom=6&lat=13.0878&lon=80.2785&layer=radar

