demo

GET Get

https://api.openweathermap.org/data/3.0/onecall?lat={33.44}&lon={-94.04}&exclude={part}&appid={eb0de8c7e5fb47c5c0f311154c0c6c98}

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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.

EndFragment

PARAMS

lat	{33.44} Plain Text
lon	{-94.04} Longitude, decimal (-180; 180). 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
exclude	{part} By using this parameter you can exclude some parts of the weather data from the API response. It should be a comma-delimited list (without spaces). Available values: current minutely hourly daily alerts
appid	{eb0de8c7e5fb47c5c0f311154c0c6c98} Your unique API key (you can always find it on your account page under the

"API key" tab)

POST post

https://api.openweathermap.org/data/3.0/onecall?lat={33.44}&lon={-94.04}&exclude={part}&appid={eb0de8c7e5fb47c5c0f311154c0c6c98}

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Best way to start and continue calling OpenWeather APIs

OpenWeather platform is a set of elegant and widely recognisable APIs. Powered by convolutional machine learning solutions, it is capable of delivering all the weather information necessary for decision-making for any location on the globe. To start using our APIs, please sign up here.

Why our Free Weather API is so good yet free

EndFragment

PARAMS

lat	{33.44} Latitude, decimal (-90; 90). 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
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appid	{eb0de8c7e5fb47c5c0f311154c0c6c98} **Plain Text**

PUT Put

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How to call OpenWeather APIs with a freemium plan

The API key is all you need to call any of our weather APIs. Once you sign up using your email, the API key (APPID) will be sent to you in a confirmation email. Your API keys can always be found on your account page, where you can also generate additional API keys if needed. Check our documentation page to find all technical information for each product. Documentation is an essential guide with actual examples and comprehensive description of API calls, responses and parameters.

How to call OpenWeather APIs with a paid plan

In case your weather data requirements go beyond our Free plan, you may consider signing up for our paid subscription plans. The subscription plans differ in the APIs products range, level of service provided, the overall amount of calls per minute and other features

EndFragment

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PATCH Patch

```
https://api.openweathermap.org/data/3.0/onecall?lat={33.44}&lon={-94.04}&exclude={part}&appid={eb0de8c7e5fb47c5c0f311154c0c6c98}
```

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API care recommendations

Like any other things you are using, the API requires some attention. To let it serve you properly, we suggest that you carefully read these instructions and care recommendations.

First, we recommend making API calls no more than once in 10 minutes for each location, whether you call it by city name, geographical coordinates or by zip code. The update frequency of the OpenWeather model is not higher than once in 10 minutes.

Second, the only endpoint for making **free** API calls is **api.openweathermap.org**. Please, don’t use the server’s IP address. The endpoint for paid subscription plans is different and it can be found in the confirmation email we send you once your subscription is activated

Third, to get a precise geocoding searching result would rather call API by geographical coordinates. You can always call the OpenWeather APIs using the city name or zip/post code. In case you need to get geographical coordinates by name of your location please use our Geocoding API.

EndFragment

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Plain Text

DELETE Delete

```
https://api.openweathermap.org/data/3.0/onecall?lat={33.44}&lon={-94.04}&exclude={part}&appid={eb0de8c7e5fb47c5c0f311154c0c6c98}
```

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Product concept

Get essential weather data, short-term and long-term forecasts and aggregated weather data is easy with our OpenWeather **One Call API 3.0**. This product designed to ensure easy migration from the Dark Sky API.

One Call API 3.0 contains 4 endpoints and provides access to various data:

- and government weather alerts
  - minute forecast for 1 hour
  - hourly forecast for 48 hours
  - daily forecast for 8 days
- **Weather data for any timestamp** for 46+ years historical archive and 4 days ahead forecast
- **Daily aggregation** of weather data for 46+ years archive and 1.5 years ahead forecast
- **Weather overview** with a human-readable weather summary for today and tomorrow's forecast, utilizing OpenWeather AI technologies

One Call API 3.0 is based on the proprietary OpenWeather Model and is updated every 10 minutes. Thus, in order to receive the most accurate and up-to-date weather data, we recommend you request One Call API 3.0 every 10 minutes.

Please note, that One Call API 3.0 is included in the "One Call by Call" subscription **only**. This separate subscription includes 1,000 calls/day for free and allows you to pay only for the number of API calls made to this product. Please note, that you do not need to subscribe to any other OpenWeather subscription plans to get access to the One Call API 3.0. Please find more details on the pricing page and FAQ or ask Ulla, OpenWeather AI assistant.

How to start

1. Sign up to OpenWeather service in case you haven't got your OpenWeather API key yet.
2. One Call API 3.0 is included in the separate subscription only and allows you to pay only for the number of API calls made to this product. Please find more details on the pricing page.
3. Once you subscribe to One call API 3.0, 2000 API calls per day to this product are set up by default. If you want to change this limit, please go to the "Billing plans" tab in your Personal account to update standard settings. You can find more information on the FAQ or ask Ulla, OpenWeather AI assistant.
4. Select the desired type of data (Current and forecasts weather data, Weather data for timestamp, Daily aggregation, Weather overview) and make an API call according to relevant tech documentation section, remembering to add your key to each call.

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