

New Collection

StartFragment

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 45 years historical archive and 4 days ahead forecast
- **Daily aggregation** of weather data for 45 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](#).

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](#).
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.

Current and forecasts weather data

To get access to current weather, minute forecast for 1 hour, hourly forecast for 48 hours, daily forecast for 8 days and government weather alerts, please use this section of the documentation.

If you are interested in other functionality on One Call API 3.0. please check [Product concept](#) to follow the right

section.

GET New Request

```
https://api.openweathermap.org/data/3.0/onecall?lat={-90}&lon={180}&exclude={daily}&appid={ef7951cbab2412b2ec12d6cbf95f2889}
```

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PARAMS

lat	{-90}	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
lon	{180}	
		Plain Text
exclude	{daily}	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:

appid

{ef7951cbab2412b2ec12d6cbf95f2889}

Plain Text

POST New Request

`https://api.openweathermap.org/data/3.0/onecall?lat={37}&lon={37}&exclude={daily}&appid={ef7951cbab2412b2ec12d6cbf95f2889}`

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appid	<div><div>{ef7951cbab2412b2ec12d6cbf95f2889}</div><div><div>Plain Text</div></div></div>

PUT New Request

`https://api.openweathermap.org/data/3.0/onecall?lat={37}&lon={37}&exclude={daily}&appid={ef7951cbab2412b2ec12d6cbf95f2889}`

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	<div>Plain Text</div>

DELETE New Request

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Plain Text

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