

# Configuring the OpenWeather API in Postman

This article describes how to obtain an API key for the free version of the OpenWeather API, create a collection for the API in Postman®, and make requests to the API using Postman.

## Before You Start

Complete the following actions before proceeding with the steps outlined in this article:

- [Sign up for a free OpenWeather account](#)
- [Sign up for a free Postman account](#)

## Step 1: Obtain an OpenWeather API Key

1. Go to [openweathermap.org](https://openweathermap.org) and click **Sign in** to sign into your OpenWeather account.
2. Select the [API keys tab](#) on your OpenWeather account screen to view your API key (Figure 1). Make note of this key, as you will use it when you [configure the OpenWeather API in Postman as a collection](#).

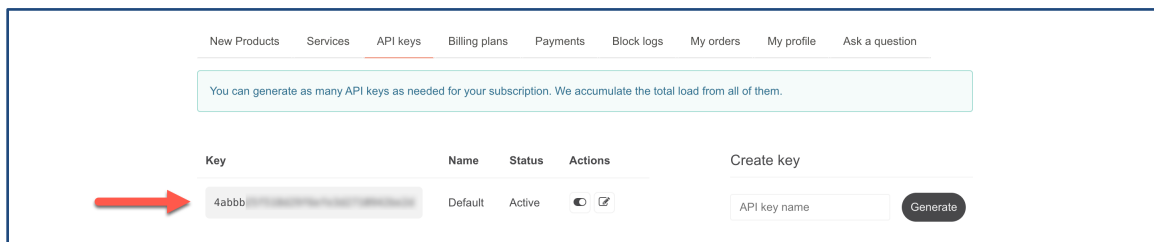


Figure 1

## Step 2: Configure the OpenWeather API in Postman as a Collection

1. Go to [postman.com](https://postman.com) and click **Sign In** at the upper-right corner of the screen to sign into your Postman account.
2. Click **Workspaces** at the upper-left corner of the screen, and then select the Postman workspace in which you want to configure the OpenWeather API.

**Note:** If no workspaces exist in your Postman account, or if you want to create a new workspace for the OpenWeather API, click **Create Workspace** to [create a new workspace](#).

3. Select **Collections** in the [sidebar](#) on the left side of the screen, and then click **New** at the upper-right corner of the sidebar (Figure 2).

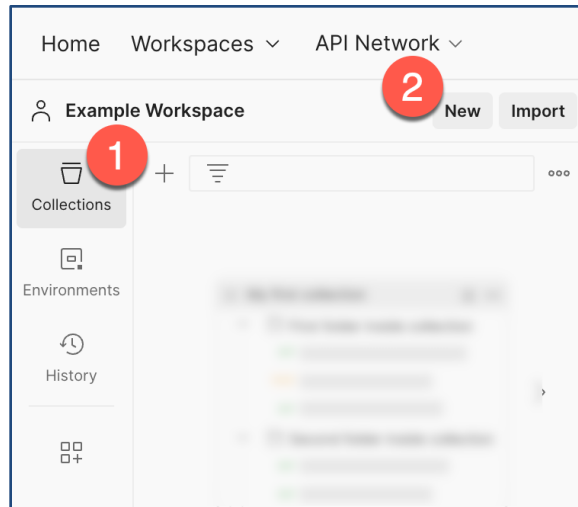


Figure 2

4. On the window that opens after clicking **New**, select **Collection**. A tab labeled **New Collection** will open in the [workbench](#) section of the screen (Figure 3). Change the collection's name to **OpenWeather API**.

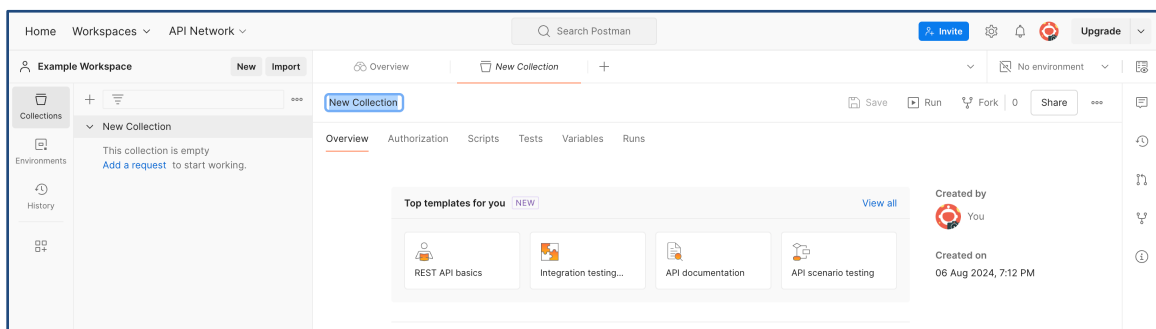


Figure 3

5. Select the **Authorization** subtab for the **OpenWeather API** collection and verify that **No Auth** is selected in the **Auth Type** dropdown.
6. Select the **Variables** subtab, and then create the following variables (Figure 4). Note that you must specify each variable's value in the **Initial Value** and **Current Value** columns.

Variable	Value
baseUrl	Enter <code>https://api.openweathermap.org</code> .
apiKey	Enter the API key associated with your OpenWeather account.

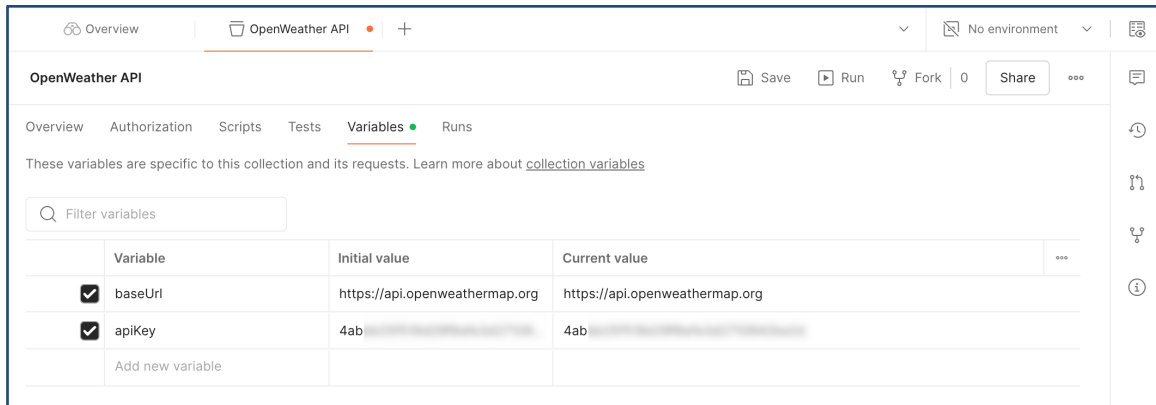


Figure 4

- Click **Save** at the top right of the **OpenWeather API** collection.

## Step 3: Make API Requests in Postman

This section demonstrates how to make two separate API requests in Postman. The first uses the OpenWeather [Geocoding API](#) to retrieve the latitude and longitude coordinates for a city (Pittsburgh, PA in this example), and the second uses the OpenWeather [Current Weather Data API](#) to retrieve the current weather for the city.

### Configure a Geocoding API Request

- Expand the **OpenWeather API** collection in the sidebar on the left side of the screen, and then click **Add a request**.
- Configure the **GET New Request** tab (Figure 5) as follows:

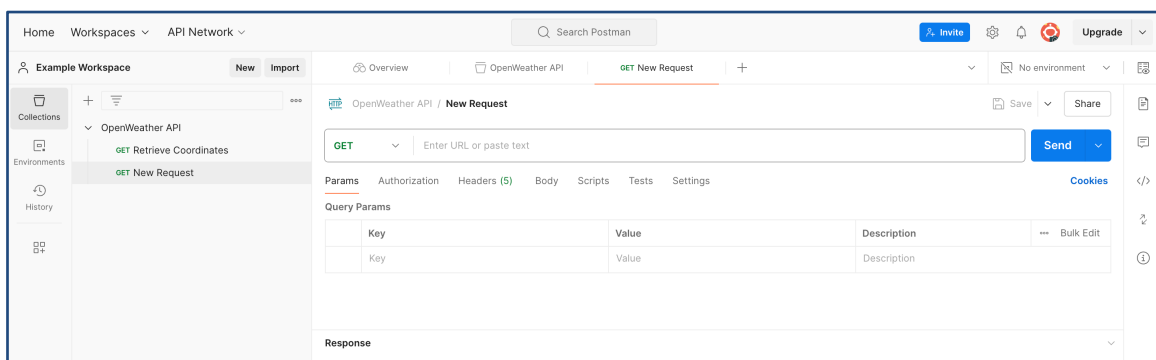


Figure 5

- New Request:** Edit the request's name to reflect the action the request is performing (e.g., Retrieve Coordinates).
- HTTP Method:** Keep the selection of **GET**.

- **Enter URL or paste text:** Enter `{{baseUrl}}/geo/1.0/direct`.
- **Query Params:** Configure the following query parameters as key-value pairs:

Key	Value
q	Enter the city name, state code (only for the US), or country code divided by a comma (for country codes, use ISO 3166).
appid	Enter <code>{{apiKey}}</code> .

**Note:** For a list of optional query parameters that you can use with the OpenWeather Geocoding API, see the [OpenWeather Geocoding API documentation](#).

3. Click **Save** at the top right of the **GET <Request Name>** tab.
4. Click **Send** to the right of the request URL. If your request to the OpenWeather Geocoding API was successful, the lower pane of the **GET <Request Name>** tab will show a **200 OK** status and accompanying response data (Figure 6). Make note of the latitude and longitude values for the desired location, as you will use them to [create an API request that retrieves the current weather for that location](#).

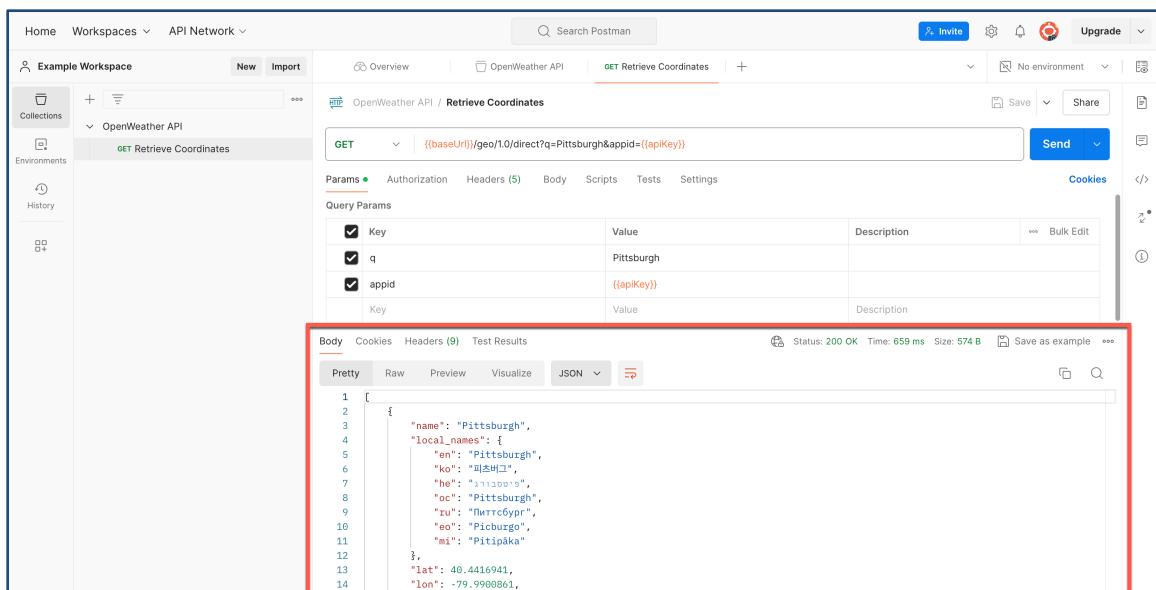



Figure 6

## Configure a Current Weather Data API Request

1. Hover over the **OpenWeather API** collection in the sidebar on the left side of the screen, click **View more actions** , and select **Add request**.
2. Configure the **GET New Request** tab (Figure 5) as follows:
  - **New Request:** Edit the request's name to reflect the action the request is performing (e.g., Retrieve Weather).
  - **HTTP Method:** Keep the selection of **GET**.
  - **Enter URL or paste text :** Enter `{{baseUrl}}/data/2.5/weather`.
  - **Query Params:** Configure the following query parameters as key-value pairs:

Key	Value
lat	Enter the latitude for the city. In this example, the latitude for Pittsburgh is <code>40.4416941</code> .
lon	Enter the longitude for the city. In this example, the longitude for Pittsburgh is <code>-79.9900861</code> .
appid	Enter <code>{{apiKey}}</code> .

**Note:** For a list of optional query parameters that you can use with the OpenWeather Current Weather Data API, see the [OpenWeather Current Weather Data API documentation](#).

3. Click **Save** at the top right of the **GET <Request Name>** tab.
4. Click **Send** to the right of the request URL. If your request to the OpenWeather Current Weather API was successful, the lower pane of the **GET <Request Name>** tab will show a **200 OK** status and accompanying response data (Figure 7).

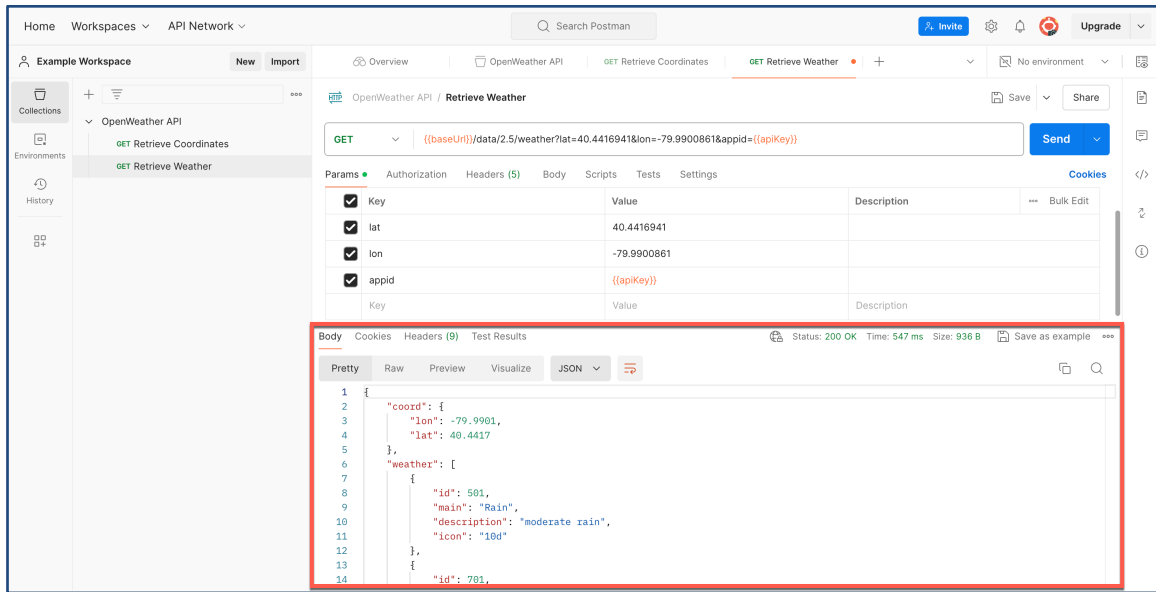


Figure 7

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