OpenAl API Quickstart Tutorial

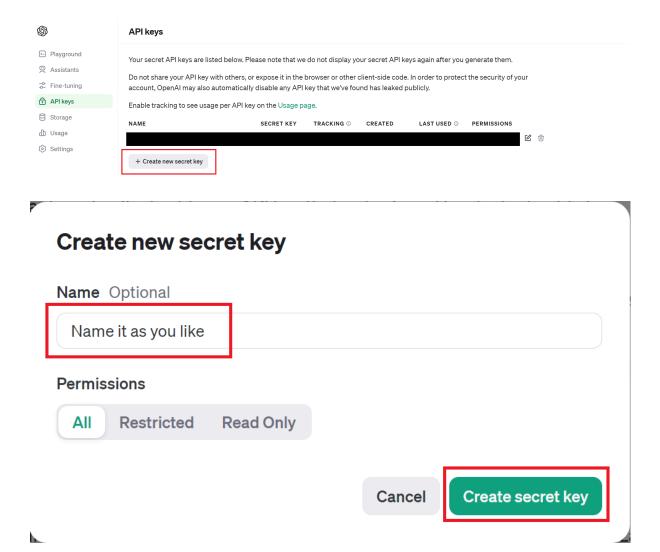
Overview

This tutorial is to help you set up your local OpenAl API development environment and send your API requests.

Account setup

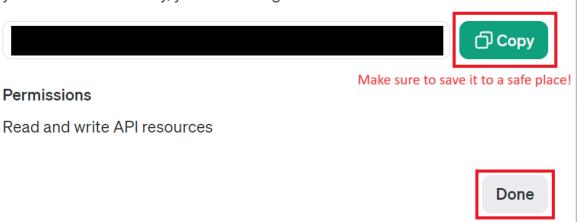
First, create an OpenAl account.

Next, navigate to the API key page and "Create new secret key".



Save your key

Please save this secret key somewhere safe and accessible. For security reasons, **you won't be able to view it again** through your OpenAl account. If you lose this secret key, you'll need to generate a new one.



Make sure to save the key and do not share it with anyone.

Step 1: Setting up Python

You can refer to this tutorial if you want to learn how to set up Python.

Once you have Python installed, you need to install the OpenAl Python library. From the terminal / command line, run:

pip install --upgrade openai

Step 2: Set up your API key

MacOS (From OpenAl official tutorial)

- 1. **Open Terminal**: You can find it in the Applications folder or search for it using Spotlight (Command + Space).
- 2. **Edit Bash Profile**: Use the command nano ~/.bash_profile or nano ~/.zshrc (for newer MacOS versions) to open the profile file in a text editor.
- 3. **Add Environment Variable**: In the editor, add the line below, replacing your-api-key-here with your actual API key:

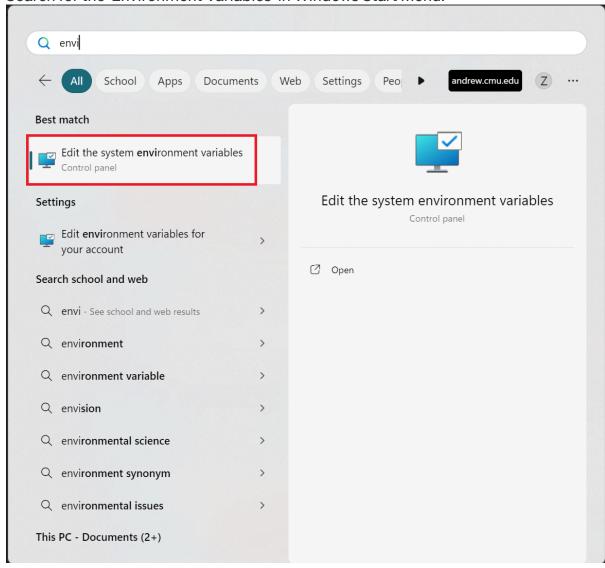
export OPENAI_API_KEY='your-api-key-here'

- 4. Save and Exit: Press Ctrl+O to write the changes, followed by Ctrl+X to close the editor.
- 5. **Load Your Profile**: Use the command source ~/.bash_profile or source ~/.zshrc to load the updated profile.
- 6. **Verification**: Verify the setup by typing echo \$0PENAI_API_KEY in the terminal. It should display your API key.

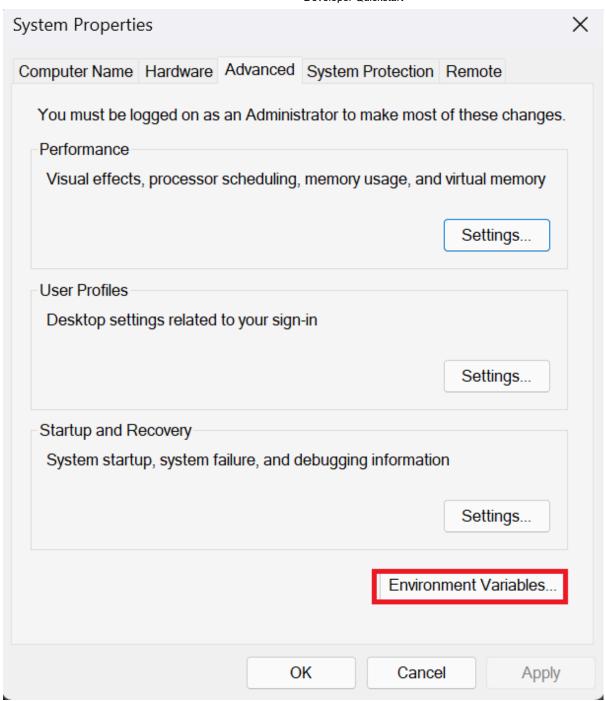
Windows

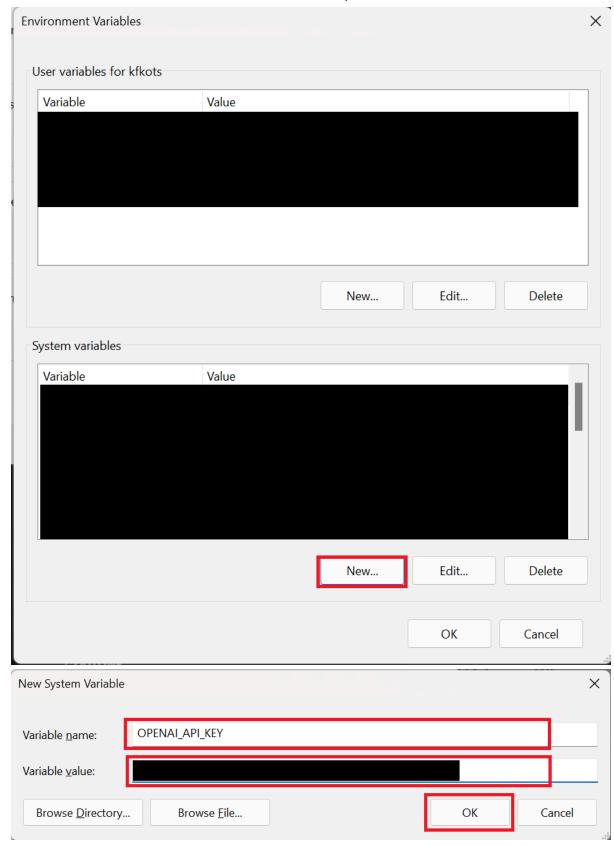
1. Permanently set up environment variable:

o Search for the 'Environment Variables' in Windows Start Menu.



 In the 'System variables' section, click 'New...' and enter OPENAI_API_KEY as the variable name and your API key as the variable value.





Step 3: Sending your first API request

Making an API request

After you finished all that, you can finally send a request to the OpenAl API using the Python library. To do this, create a file named openai-test.py using th terminal or an IDE.

Inside the file, copy and paste the example below:

```
from openai import OpenAI
1
2
    client = OpenAI()
3
4
    completion = client.chat.completions.create(
5
      model="gpt-3.5-turbo",
6
      messages=[
        {"role": "system", "content": "You are a machine learning specialist, skilled in expl
7
8
        {"role": "user", "content": "Explain Transformer in machine learning to me."}
      1
9
    )
10
11
    print(completion.choices[0].message)
```

To run the code, enter python openai-test.py into the terminal / command line.

