1. te a folder on your computer with the name of your project (E.g.: PersonalData)
2. Open this folder with Visual Studio Code
3. Display the terminal (Menu: View/Terminal)
4. In the terminal, type > npm init  
   accept all the default answer, except for index.js that you replace by app.js  
   A file package.json is not available in the root of your project
5. Install the API module > npm install openai
6. Install other useful modules > npm install dotenv express  
   dotenv is a library to store the API Key without exposing the value on the web  
   express is a library to quickly deploy a REST API.

**Starting your project with a good structure**

In the root of your project, create the following files/folder

1. Folder: **config** with the file: openaiConfig.js  
   This repository will contain the openai instance with your keys (api, organization and project)
2. Folder: **controllers** withe file <controller name>.js  
   This repository will contain the specific methods of your controller
3. Folder: **public** to store your assets (logo, pictures...)
4. File: **.env** to store and secure your api key.
5. File: **playground.js** to call the methods of the controller (use to test quickly your application)
6. File: **app.js** to launch the API REST server (only if required)

**Creating an OpenAI API Key**

1. go to the site: <https://platform.openai.com/docs/concepts>
2. Create an account
3. Click on the gear (Settings) in the top right corner
4. Go to the menu PROJECT / API Keys
5. click on **Create new secret key** and **Create secret key** (in this small tutorial, we keep the thing simple with the default project and the default name **My Test Key**
6. Be sure to copy the API key (this is the only opportunity to see the key!)
7. Open the file **.env** of your project and paste the key after the text: OPENAI\_API\_KEY=  
   You have now something like that: OPENAI\_API\_KEY=sk-proj-7zKh..........
8. Save the file

**Complete the file openaiConfig.js in the folder config**

1. Type the following code in the file:

|  |
| --- |
| **const {OpenAI} = require('openai') require ('dotenv').config()**  **const openai = new OpenAI({     apiKey: process.env.OPENAI\_API\_KEY,     organization: 'org-xxx',     project: 'proj\_xxx' })**  **module.exports = openai** |

1. go to the site: <https://platform.openai.com/docs/concepts>
2. login with your account
3. go to the menu ORGANIZATION / General
4. in the file openaiConfig.js, replace org-xxx by the Organization ID
5. go to the menu PROJECT/ General
6. in the file openaiConfig.js, replace proj-xxx by the Project ID