

OpenAI Platform

Libraries

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Set up your development environment to use the OpenAI API with an SDK in your preferred language.

This page covers setting up your local development environment to use the [OpenAI API](#). You can use one of our officially supported SDKs, a community library, or your own preferred HTTP client.

Create and export an API key

Before you begin, [create an API key in the dashboard](#), which you'll use to securely [access the API](#).

Store the key in a safe location, like a [.zshrc](#) file or another text file on your computer. Once you've generated an API key, export it as an [environment variable](#) in your terminal.

[macOS / Linux](#) [Windows](#)

Export an environment variable on macOS or Linux systems

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```
1 export OPENAI_API_KEY="your_api_key_here"
```

OpenAI SDKs are configured to automatically read your API key from the system environment.

Install an official SDK

[JavaScript](#) [Python](#) [.NET](#) [Java](#) [Go](#)

To use the OpenAI API in server-side JavaScript environments like Node.js, Deno, or Bun, you can use the official [OpenAI SDK for TypeScript and JavaScript](#). Get started by installing the SDK using [npm](#) or your preferred package manager:

Install the OpenAI SDK with npm

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```
1 npm install openai
```

With the OpenAI SDK installed, create a file called `example.mjs` and copy the example code into it:

Test a basic API request

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```
1 import OpenAI from "openai";
2 const client = new OpenAI();
3
4 const response = await client.responses.create({
5   model: "gpt-5-nano",
6   input: "Write a one-sentence bedtime story about a unicorn."
7 });
8
9 console.log(response.output_text);
```

Execute the code with `node example.mjs` (or the equivalent command for Deno or Bun). In a few moments, you should see the output of your API request.



[Learn more on GitHub](#)

Discover more SDK capabilities and options on the library's GitHub README.

Azure OpenAI libraries

Microsoft's Azure team maintains libraries that are compatible with both the OpenAI API and Azure OpenAI services. Read the library documentation below to learn how you can use them with the OpenAI API.

[Azure OpenAI client library for .NET](#)

[Azure OpenAI client library for JavaScript](#)

[Azure OpenAI client library for Java](#)

[Azure OpenAI client library for Go](#)

Community libraries

The libraries below are built and maintained by the broader developer community. You can also [watch our OpenAPI specification repository](#) on GitHub to get timely updates on when we make changes to our API.

Please note that OpenAI does not verify the correctness or security of these projects. Use them at your own risk!

C# / .NET

[Betalgo.OpenAI by Betalgo](#)

[OpenAI-API-dotnet by OkGoDolt](#)

[OpenAI-DotNet by RageAgainstThePixel](#)

C++[liboai by D7EAD](#)**Clojure**[openai-clojure by wkok](#)**Crystal**[openai-crystal by sferik](#)**Dart/Flutter**[openai by anasfik](#)**Delphi**[DelphiOpenAI by HemulGM](#)**Elixir**[openai.ex by mgallo](#)**Go**[go-gpt3 by sashabaranov](#)**Java**[simple-openai by Sashir Estela](#)[Spring AI](#)**Julia**[OpenAI.jl by rory-linehan](#)**Kotlin**[openai-kotlin by Mouaad Aallam](#)**Node.js**[openai-api by Njerschow](#)[openai-api-node by erlapso](#)[gpt-x by ceifa](#)[gpt3 by poteat](#)[gpts by thencc](#)[@dalenguyen/openai by dalenguyen](#)[tectalic/openai by tectalic](#)**PHP**[orhanerday/open-ai by orhanerday](#)[tectalic/openai by tectalic](#)[openai-php client by openai-php](#)**Python**[chronology by OthersideAI](#)**R**[rgpt3 by ben-aaron188](#)**Ruby**[openai by nileshtrivedi](#)[ruby-openai by alexrudall](#)**Rust**[async-openai by 64bit](#)[fieri by lkolev](#)**Scala**[openai-scala-client by cequence-io](#)**Swift**[AIProxySwift by Lou Zell](#)[OpenAIKit by dylanshine](#)[OpenAI by MacPaw](#)

Unity

[OpenAi-Api-Unity](#) by [hexthedev](#)
[com.openai.unity](#) by [RageAgainstThePixel](#)

Unreal Engine

[OpenAI-Api-Unreal](#) by [KellanM](#)

Other OpenAI repositories

[tiktoken](#) - counting tokens
[simple-evals](#) - simple evaluation library
[mle-bench](#) - library to evaluate machine learning engineer agents
[gym](#) - reinforcement learning library
[swarm](#) - educational orchestration repository