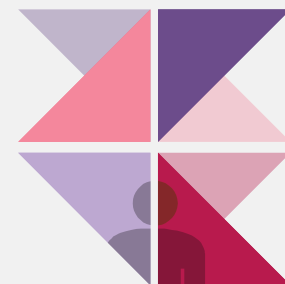# ChatGPT串接

ChatGPT

ChatGPT這麼好用，那麼是否只能在OpenAI網頁上使用? 答案當然不是，不然就不會有這節課了

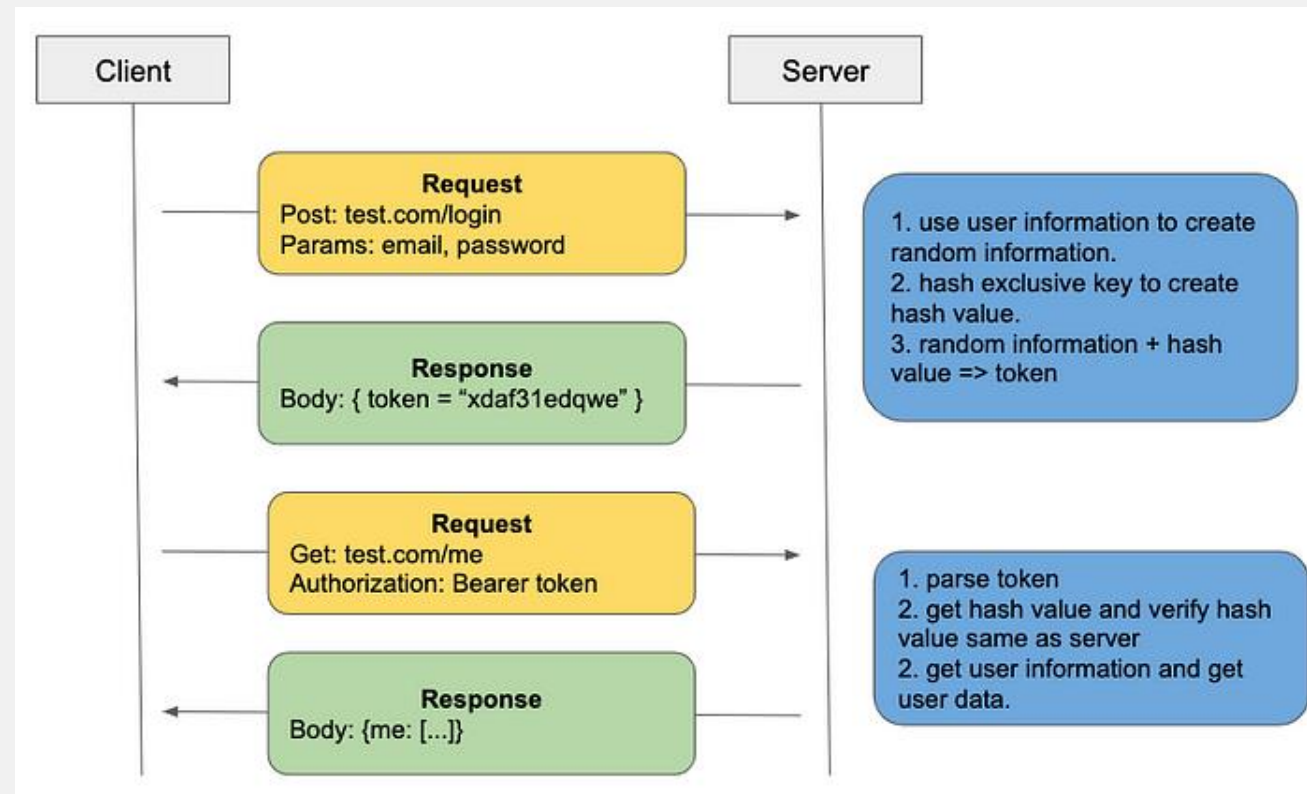如何安裝? 大致分成以下三大步驟

> 1. Token取得 (ChatGPT與要串接的軟體)
> 2. 專案設置
> 3. 專案執行

ChatGPT
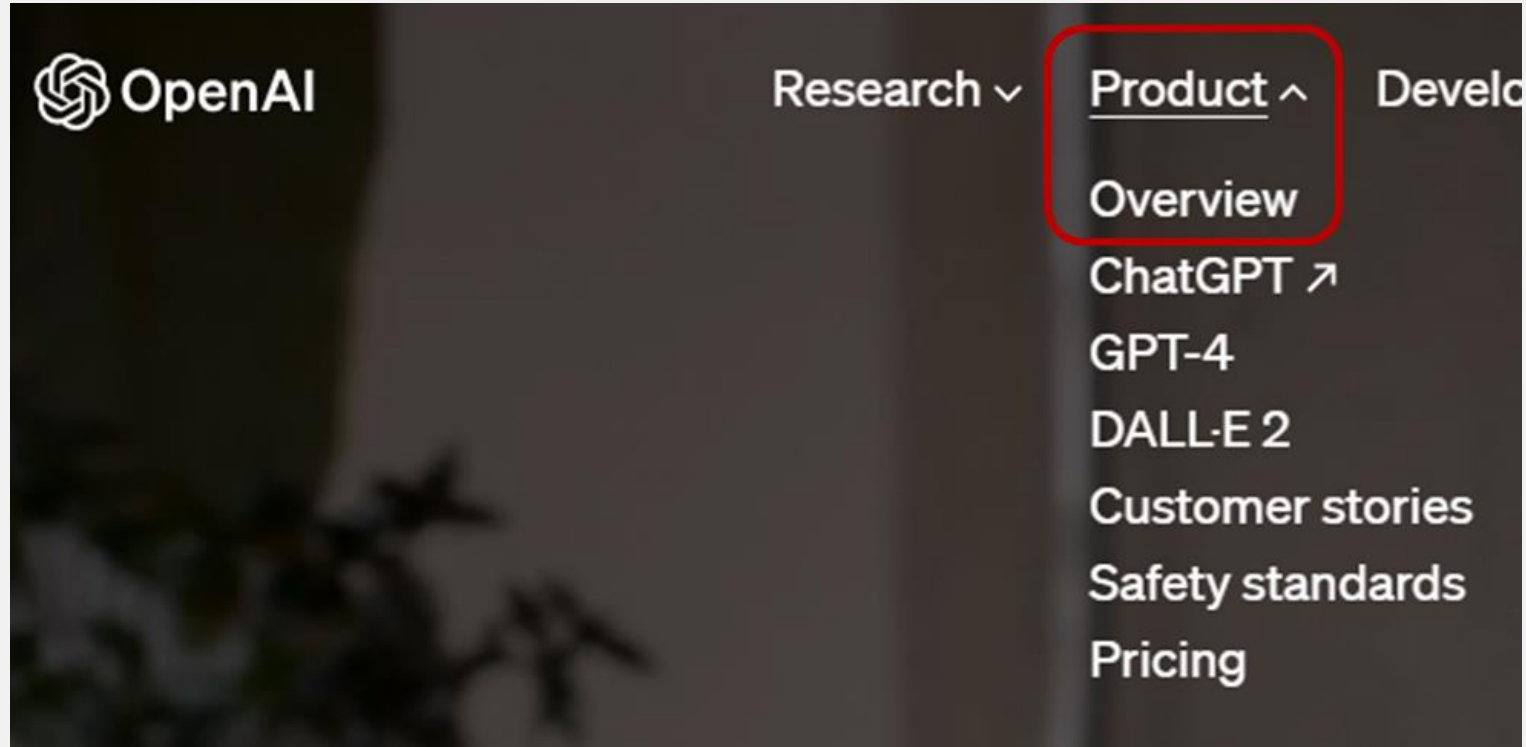
什麼是Token?

➤ 是一組由有意義資訊經過特定演算法後轉成無意義的資訊

➤ 主要用於權限驗證，透過解析Token可確定是否有權限進行某些行為

Reference

ChatGPT

> Token取得 (ChatGPT)
- 登入OpenAI平台
- 點Product->Overview
- 點Get started

ChatGPT

> ChatGPT Token取得

- 登入/註冊帳號
- 點右上角Personal
- 點View API Keys

5

ChatGPT

> ChatGPT Token取得
> - Create New secret Key
> - 複製Key於記事本中，後續會用到

API keys

Your secret API keys are listed below. Please note that we do not display your secret API keys again after you generate them.

Do not share your API key with others, or expose it in the browser or other client-side code. In order to protect the security of your account, OpenAI may also automatically rotate any API key that we've found has leaked publicly.

You currently do not have any API keys. Please create one below.

+ Create new secret key

Default organization

If you belong to multiple organizations, this setting controls which organization is used by default when making requests with the API keys above.

Personal ∨

Note: You can also specify which organization to use for each API request. See Authentication to learn more.
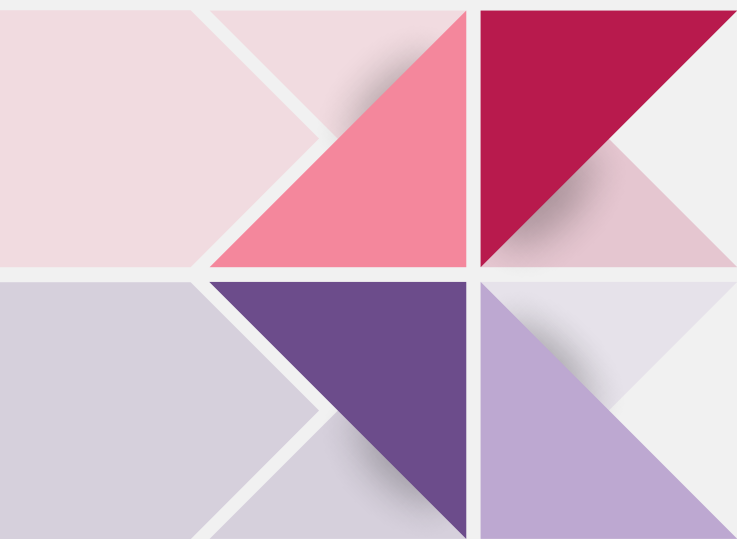
API key generated

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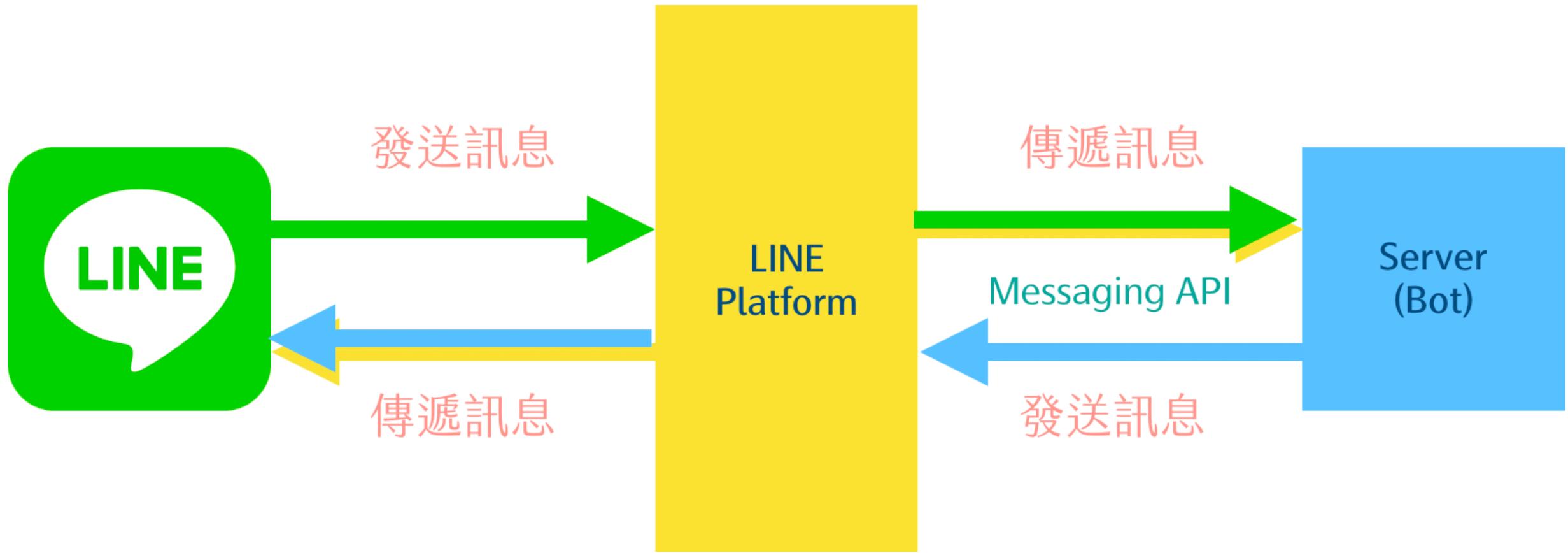
sk-

OK

6

01
Line Bot

ChatGPT

ChatGPT

> Token取得 (Line)
> - 登入[Line Developers](#)
> - Create a new provider

ChatGPT

> Token取得 (Line)
  - 選擇Create a Messaging API channel並填寫基本資料
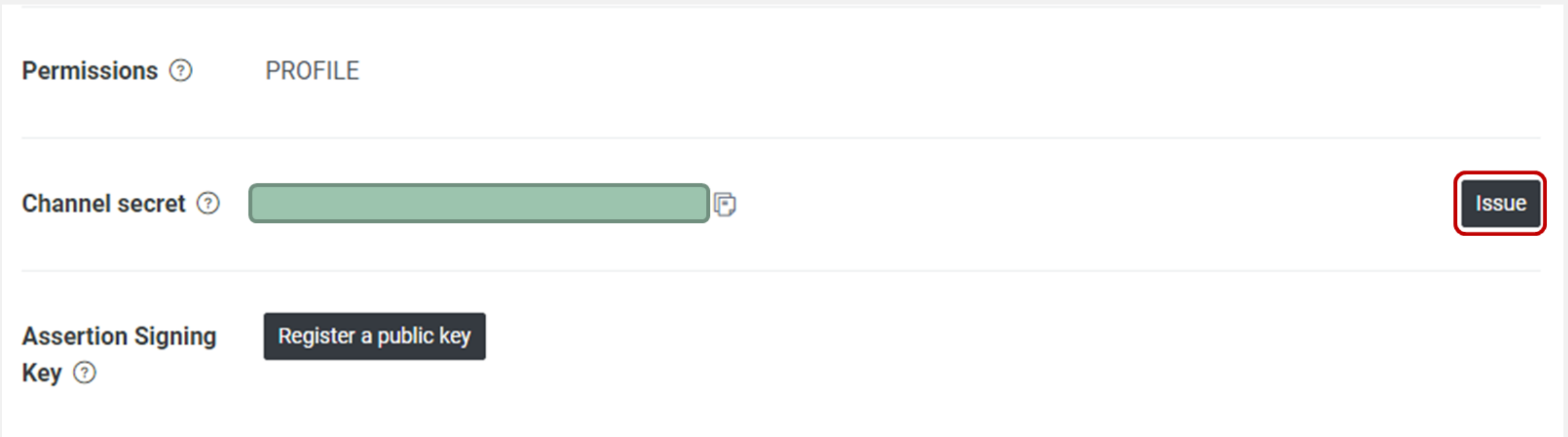
ChatGPT

➢ Token取得 (Line)

- 在Basic Settings下方找到Channel Secret，按下後面的Issue按鈕產生新secret key，之後
會用到

ChatGPT

➢ Token取得 (Line)

- 在Massaging API下方找到Channel access token，按下後面的Issue按鈕產生新**token**，之後會用到

ChatGPT

➢ 專案設置 (Fork Github專案)
- 登入/註冊[Github](Github)
- 搜尋ChatGPT-Line-Bot並點選Jump to
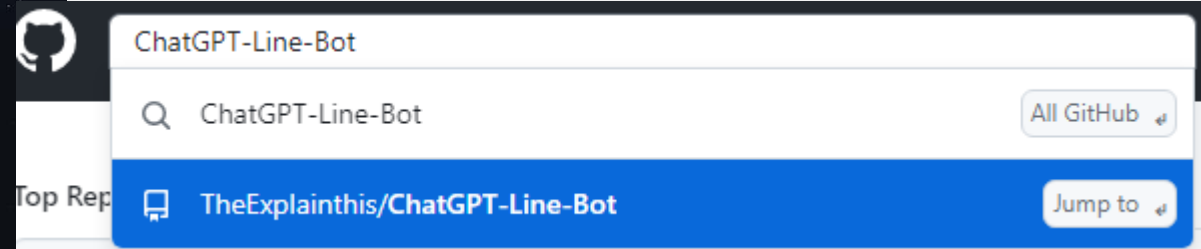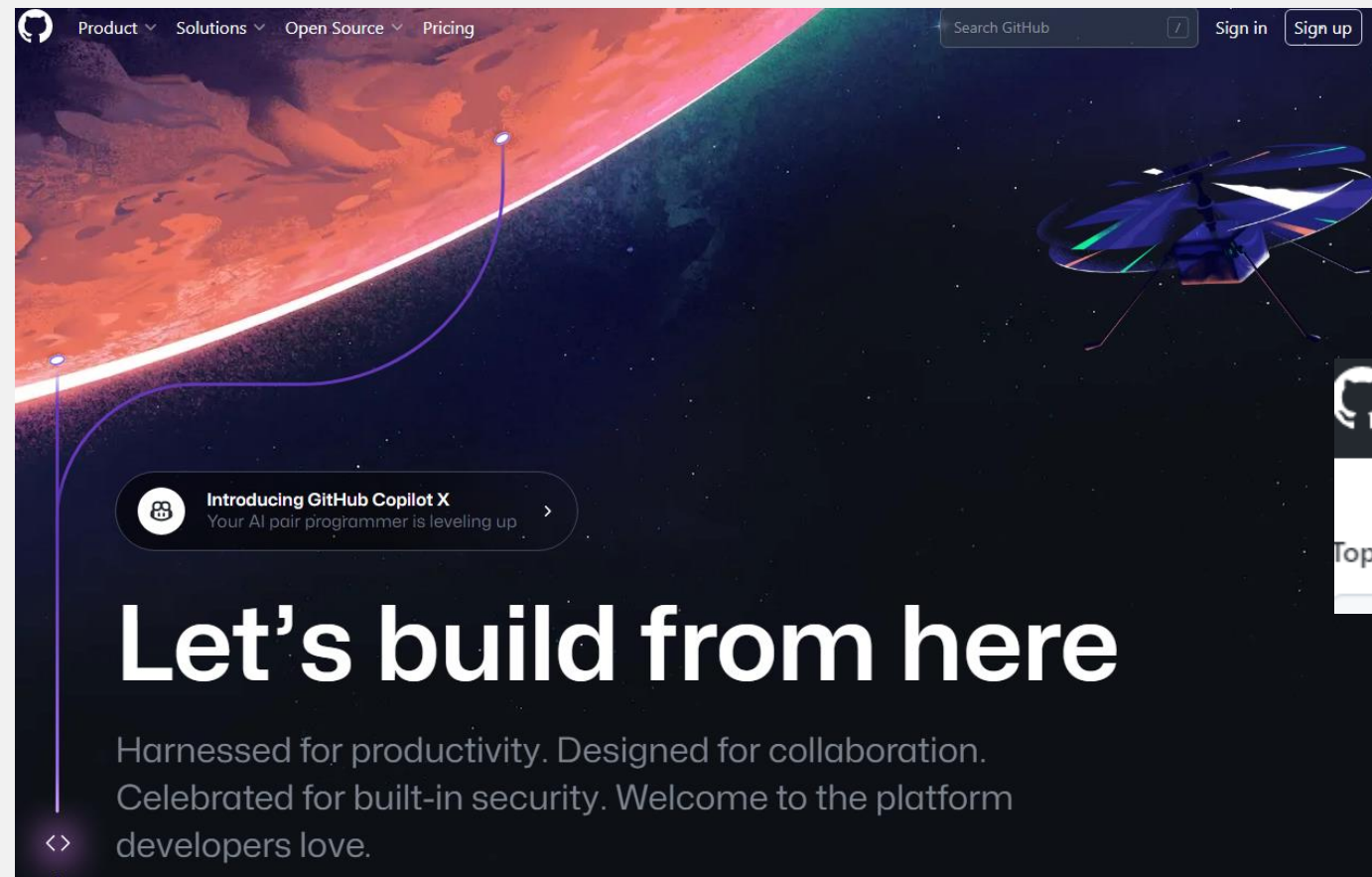
ChatGPT

➢ 專案設置 (Fork Github專案)
- 支持一下開發者 (點Star)
- 複製程式到自己的空間 (點Fork)
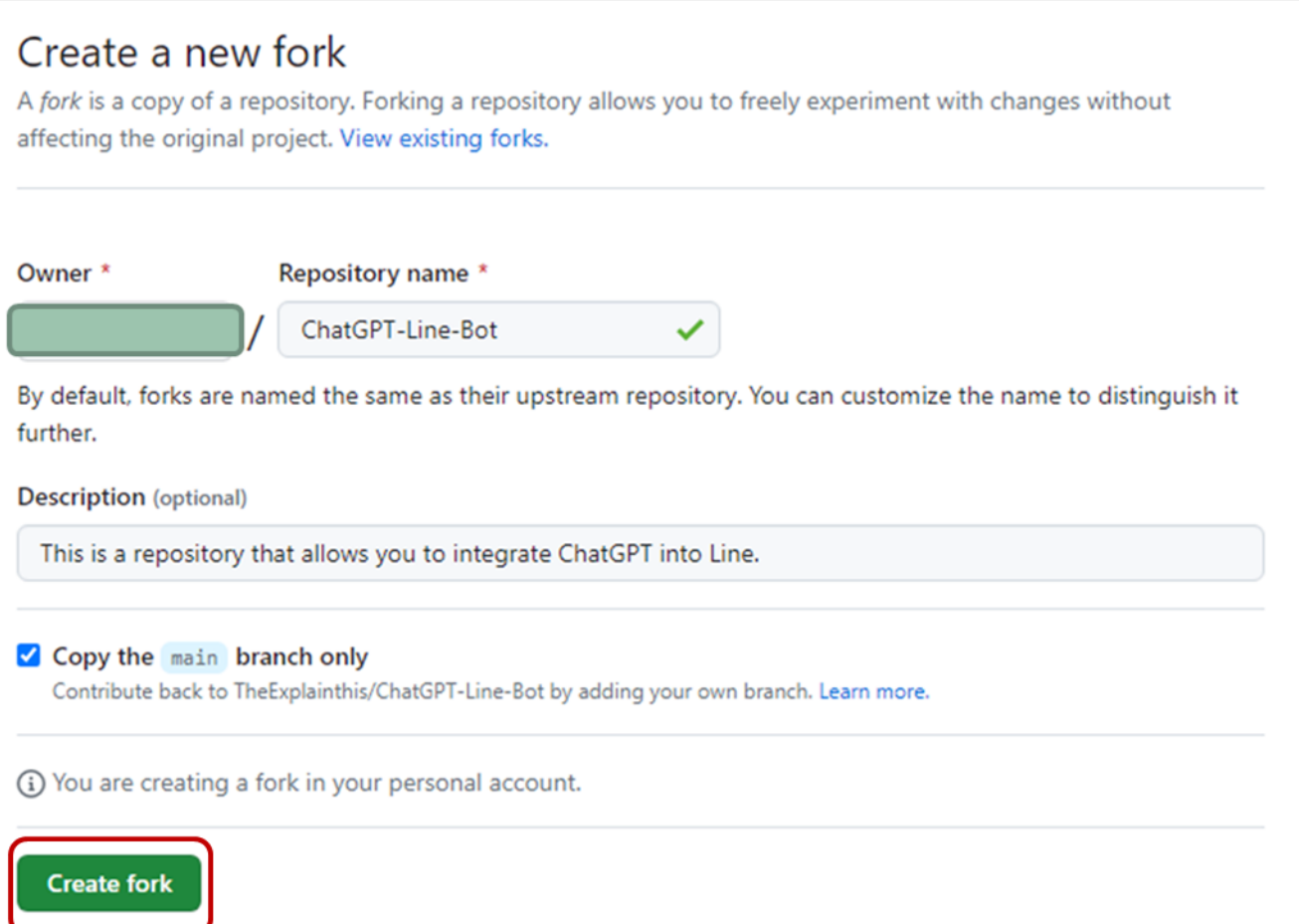
ChatGPT

➢ 專案設置 (部署)
- 登入relplit (使用Github帳號並授權)
- 選Create -> 右上角Import from Github -> Connect Github to import your private repos

ChatGPT

➢ 專案設置 (部署)

- 勾選Only select repositories並選擇ChatGPT-Line-Bot
- 關閉原本Import from GitHub視窗並再一次選擇Create，URL選擇ChatGPT-Line-Bot並按下Import from GitHub

16

ChatGPT

ChatGPT-Line-Bot

▶ Run   Search   Invite

Search

Files
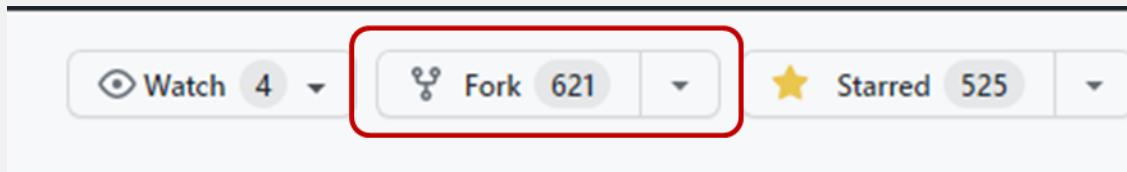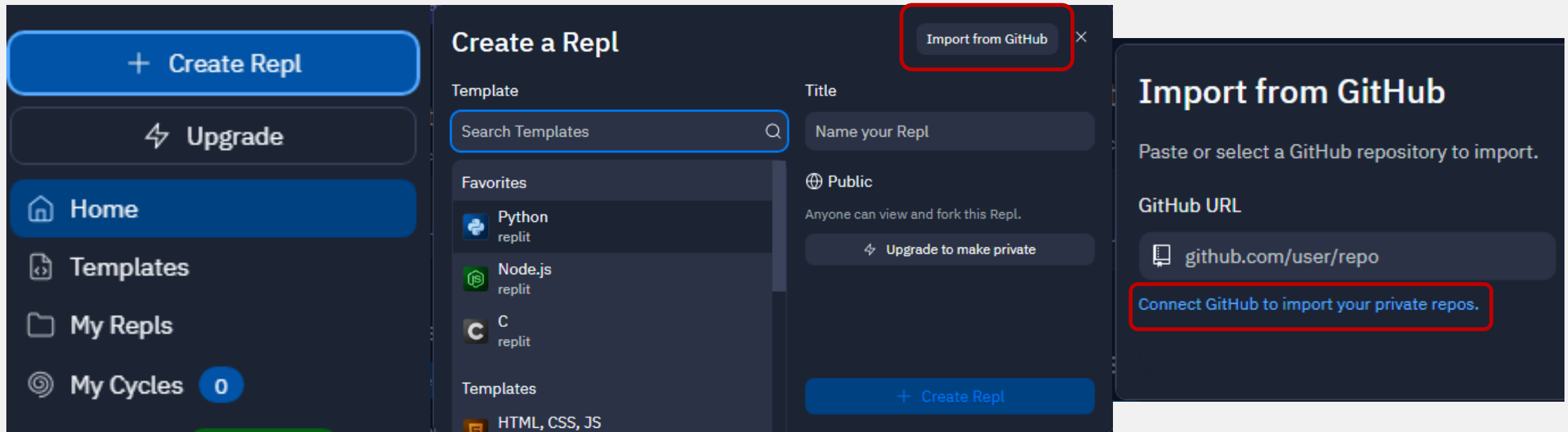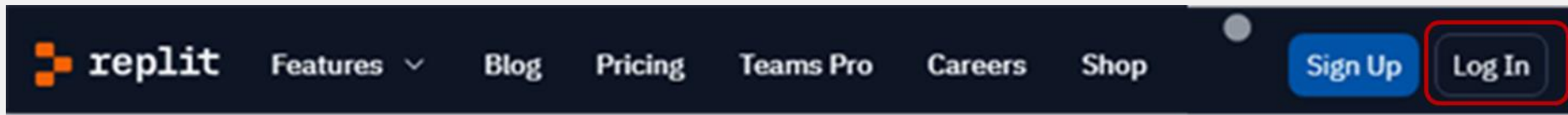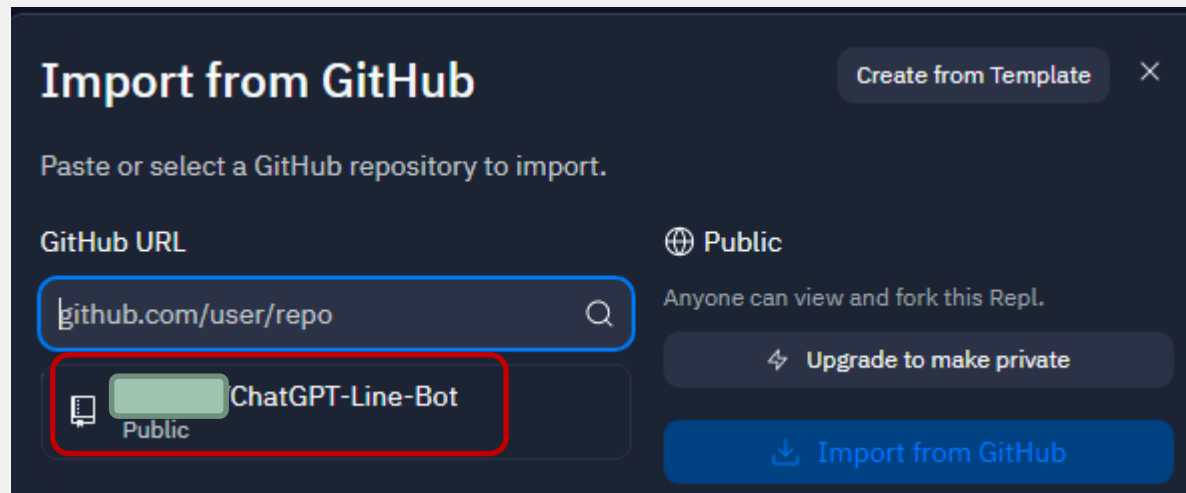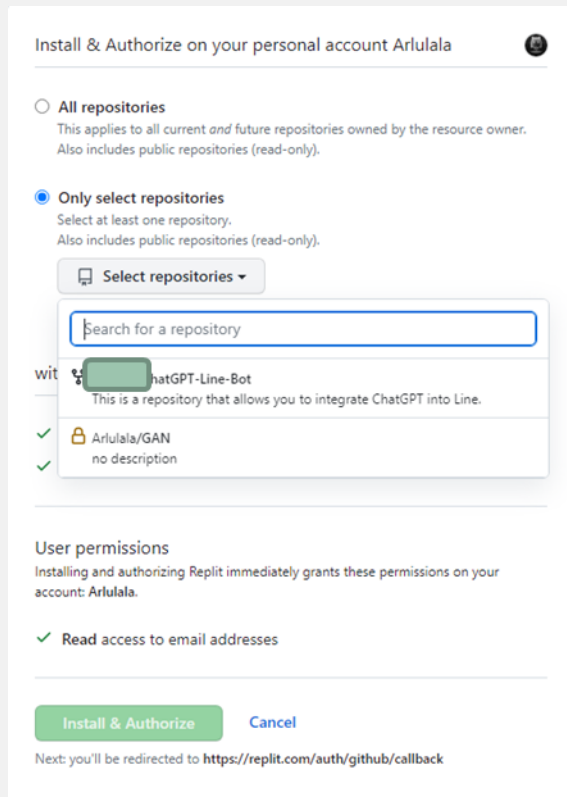- main.py
- demo
- src
- .env.example
- .gitignore
- docker-compose.yaml
- Dockerfile
- LICENSE
- README.en.md
- README.md

Packager files
- requirements.txt

Tools
Docs   Chat   Threads
Packages   Git   Debugger
Shell   Console   Secrets
Database   PostgreSQL   Authentic...
CPU   RAM   Storage

🔄 Try Ghostwriter

README.en.md   Open preview

README.en.md

```
1   # ChatGPT Line Bot
2
3   [中文](README.md) | English
4
5   [![license](https://img.shields.io/pypi/l/ansicolortags.svg)](LICENSE) [!
    [Release](https://img.shields.io/github/v/release/TheExplainthis/ChatGPT-
    Line-Bot)](https://github.com/TheExplainthis/ChatGPT-Line-Bot/releases/)
6
7
8   ## Update
9   - 2023/03/23 Update summary of Youtube videos and news articles (supports:
    United Daily News, SET, Yahoo News, Central News Agency, Storm Media,
    TVBS, Liberty Times, ETtoday, China Times, Line News, TTV News)
10  - 2023/03/18 Added Whisper service, users can now add their own tokens,
    and added command (refer to the documentation below)
11  - 2023/03/03 Model change to chat completion: `gpt-3.5-turbo`
12
13
14  ## Introduction
15  Import the ChatGPT bot to Line and start interacting with it by simply
    typing text in the input box. In addition to ChatGPT, the model for DALL·E
    2 is also integrated. Enter `/imagine + text` to return the corresponding
    image, as shown in the figure below:
16
17  ![Demo](https://github.com/TheExplainthis/ChatGPT-Line-
    Bot/blob/main/demo/chatgpt-line-bot.gif)
18
19  ## Installation Steps
20  ### Token Retrieval
21  1. Retrieve the OpenAI API Token:
22       1. Register/login to your [OpenAI](https://beta.openai.com/) account.
23       2. Click on the avatar on the top right corner and select `View API
    keys`.
24       3. Click on `Create new secret key` in the middle, and the generated
    token will be `OPENAI_API` (to be used later).
25       - Note: Each API has a free quota and restrictions. For details,
    please refer to [OpenAI Pricing](https://openai.com/api/pricing/).
26  2. Retrieve the Line Token:
27       1. Login to [Line Developer](https://developers.line.biz/zh-hant/).
28       2. Create a bot:
29            1. Create a `Provider` -> click `Create`.
30            2. Create a `Channel` -> select `Create a Messaging API channel`.
```

Configure Repl   Open preview

.replit

Use run command   Use default interpreter

Configure entry point
The entry point is the file that's run by default and shown first.

.env.example

Not sure what to do?

Done

>_ Console   🐚 Shell   Open preview
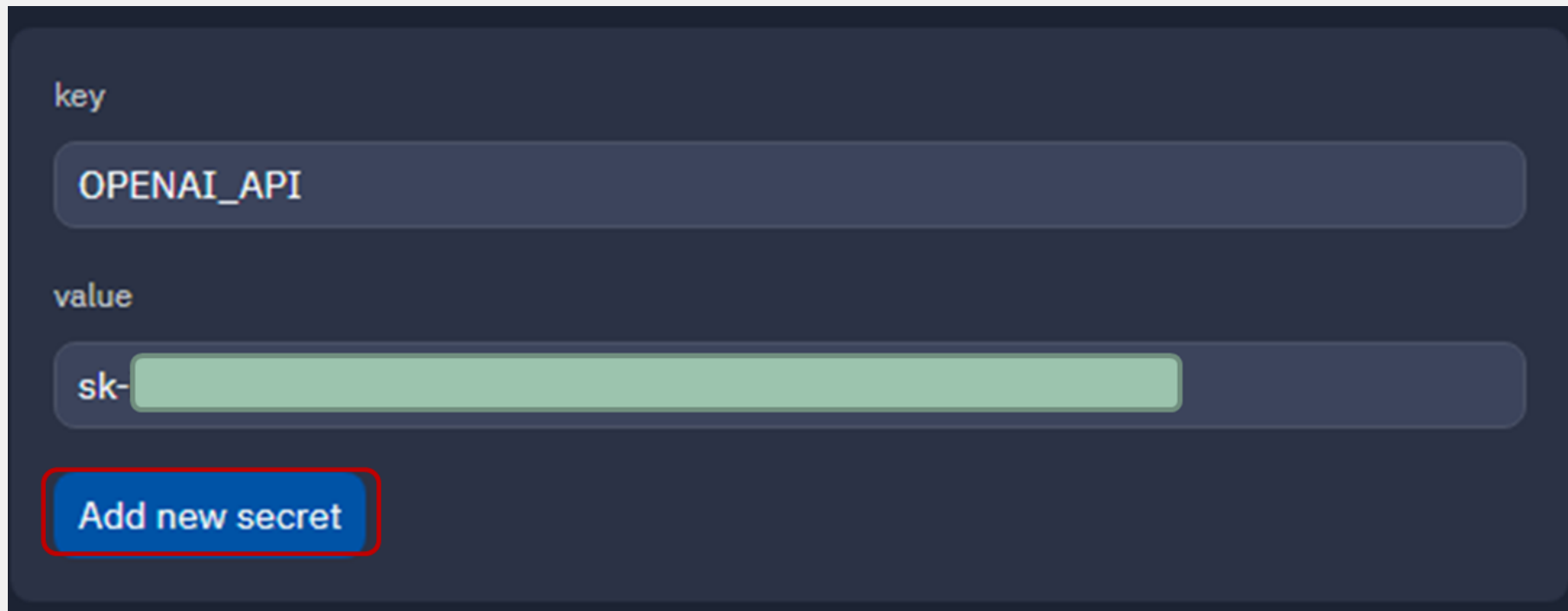
ChatGPT

➢ 專案執行 (新增環境變數)
- Tools -> Secrets
- 右方 -> Got it 可新增環境變數 (OpenAI API Token、Line Channel Secret、以及Line Channel Token)
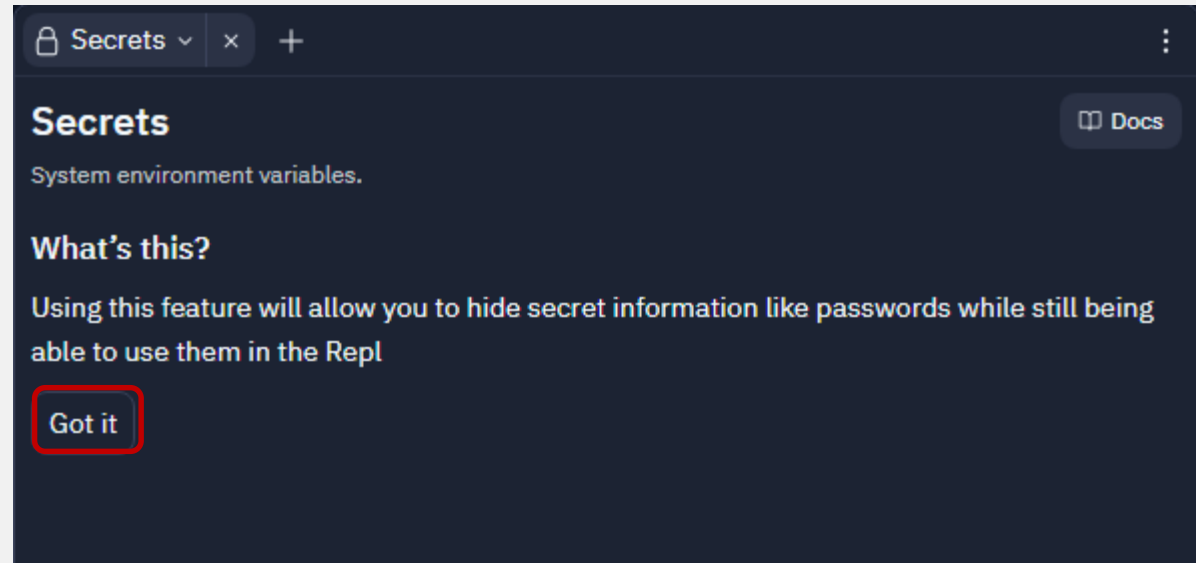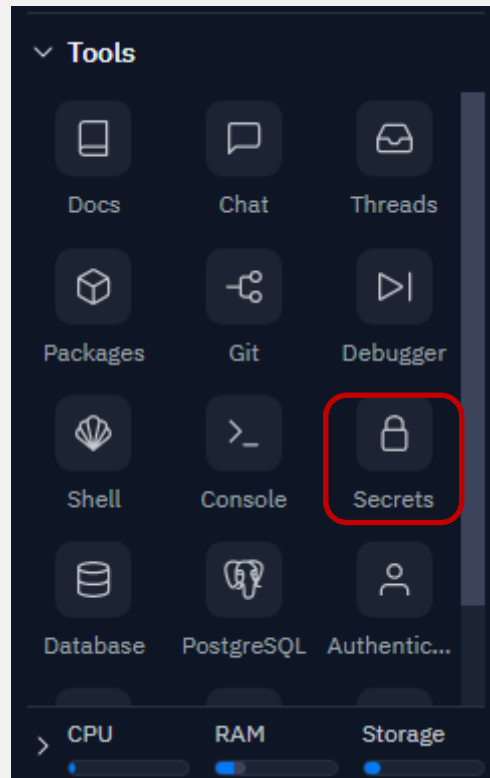
ChatGPT

➢ 專案執行 (新增環境變數)

- OpenAI Token
  - ❑ Key: OPENAI_API
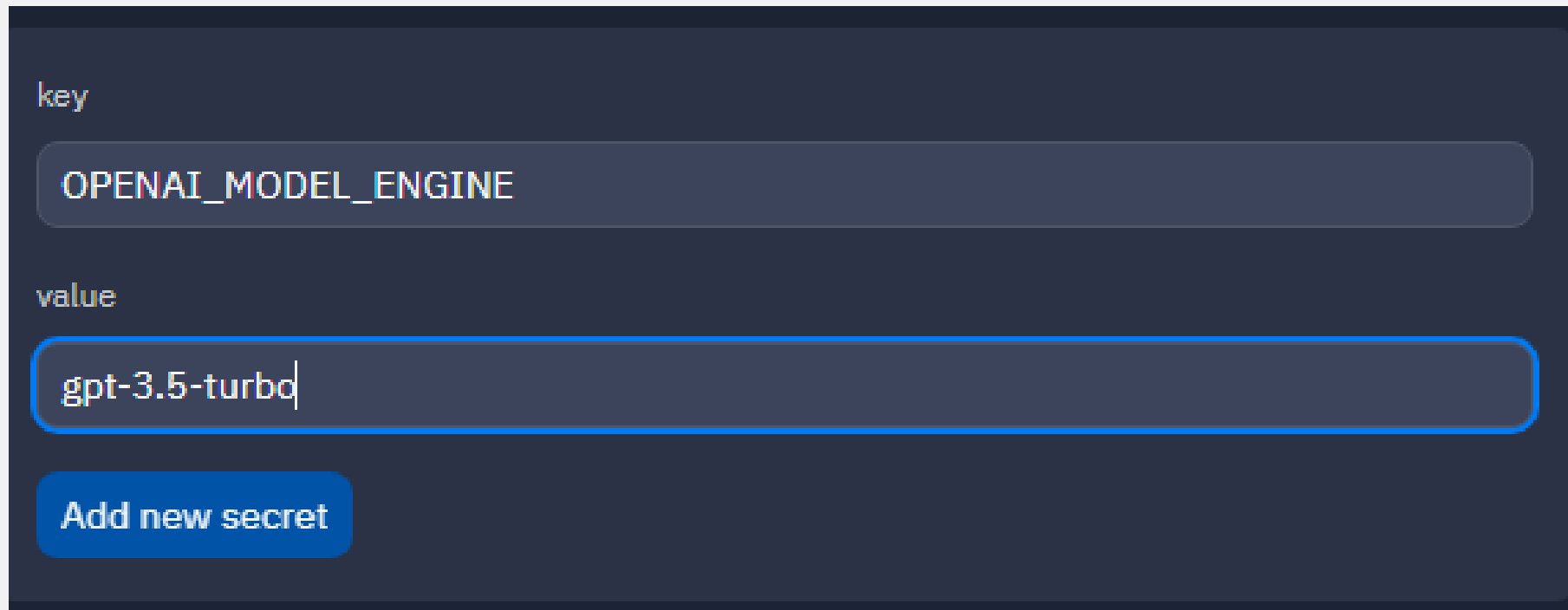 - ❑ Value: 前面產生的OpenAI Token
  - ❑ Add new secret

ChatGPT

➢ 專案執行 (新增環境變數)

- 選擇的模型
  - ❑ Key: OPENAI_MODEL_ENGINE
  - ❑ Value: gpt-3.5-turbo
  - ❑ Add new secret

key

OPENAI_MODEL_ENGINE
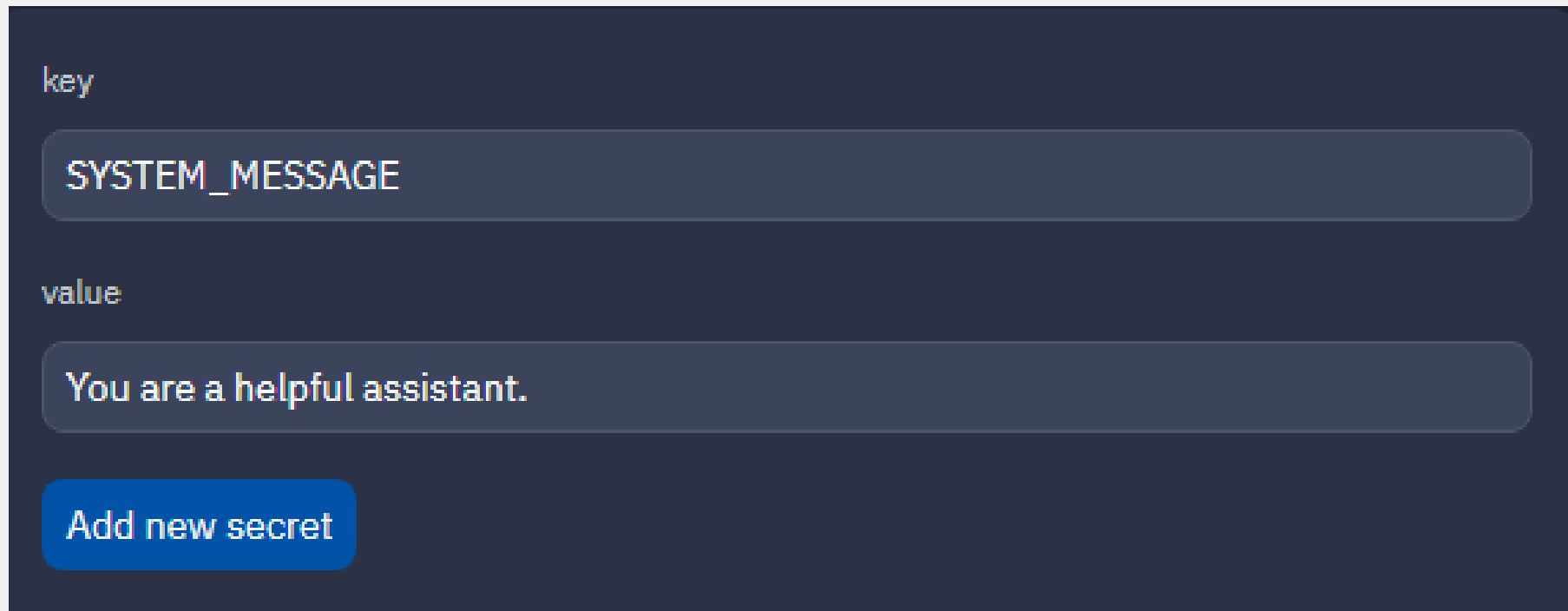
value

gpt-3.5-turbo

Add new secret

ChatGPT

➢ 專案執行 (新增環境變數)

- 選擇的模型
  - ❑ Key: SYSTEM_MESSAGE
  - ❑ Value: You are a helpful assistant.
  - ❑ Add new secret

key

SYSTEM_MESSAGE

value

You are a helpful assistant.

Add new secret

ChatGPT

➢ 專案執行 (新增環境變數)
- 選擇的模型
  - ☐ Key: LINE_CHANNEL_SECRET
  - ☐ Value: 複製Line Channel Secret
  - ☐ Add new secret

key

LINE_CHANNEL_SECRET

value

1.

Add new secret

22
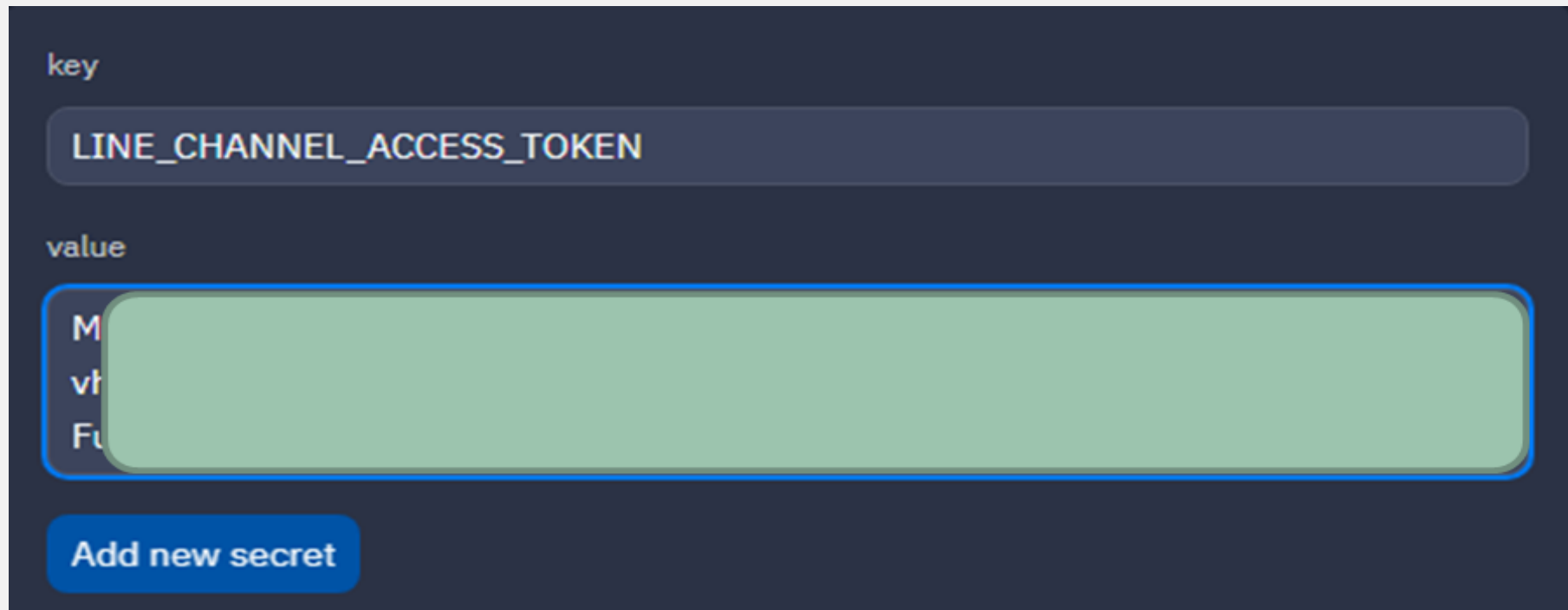
ChatGPT

➢ 專案執行 (新增環境變數)
- 選擇的模型
  - ☐ Key: LINE_CHANNEL_ACCESS_TOKEN
  - ☐ Value: 複製Line Token
  - ☐ Add new secret

ChatGPT

➢ 專案執行 (執行)

- 按下上方Run -> 右邊顯示Hello World
- 複製網址
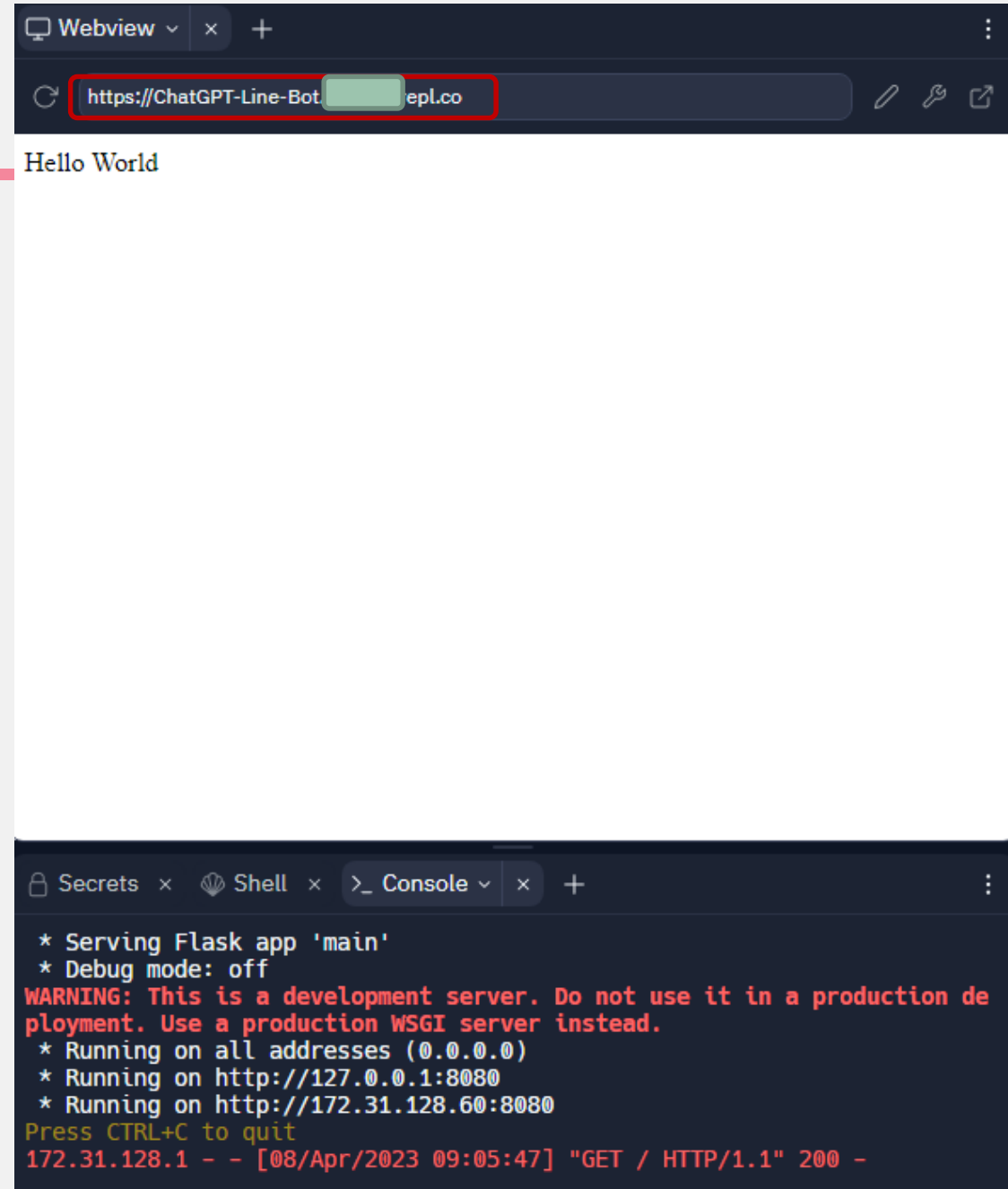
ChatGPT

➢ 專案執行 (執行)
- Line Developer -> Messaging API -> Webhook URL -> 貼上上一步網址並加上/callback
- 打開Use webhook
- 關閉Auto-reply messages

ChatGPT

➢ 掃描QR Code

ChatGPT

➢ 掃描QR Code

指令

在文字輸入框中直接輸入文字，即可與 ChatGPT 開始對話，而其他指令如下：

指令	說明
/註冊	在輸入框輸入 /註冊 + OpenAI API Token，就可以註冊 Token
/系統訊息	在輸入框輸入 /系統訊息 + 可以設定希望 ChatGPT 扮演什麼角色
/清除	在輸入框輸入 /清除，就可以清除歷史訊息
/圖像	在輸入框輸入 /圖像 + 指令，就會調用 DALL·E 2 模型，即可生成圖像。
語音輸入	利用語音輸入，系統會自動將語音翻譯成文字，並且 ChatGPT 以文字回應
其他文字輸入	直接輸入文字，則會進入一般的 ChatGPT 對話模式

ChatGPT

成功!

ChatGPT

➢ 但一小時內沒有任何請求系統就會關閉，因此需以下步驟解決
- 登入/註冊CronJob
- CREATE CRONJOB -> URL (輸入 https://ChatGPT-Line-Bot.███████.repl.co)

Dashboard

Dashboard

0
enabled cronjobs

Create cronjob

⏰ COMMON   🎚 ADVANCED

Title
ChatGPT-Line-BOt

URL *
https://ChatGPT-Line-Bot.███████epl.co

🟠 Enable job   ⚪ Save responses in job history

Execution schedule

⊙ Every 5 ▼ minute(s)

njobs

0
failed cronjobs

ChatGPT