

新版 ChatGPT4 串接Linebot 打造一個AI智能聊天機器人 強大的AI智能

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Department of Digital Content and Technology NTCU

Installation

- 登入 [OpenAI](#) 平台，或註冊一個新的帳號。
 - 生成一個 OpenAI 的 [API key](#)。
- 登入 [LINE](#) 平台，或註冊一個新的帳號。
 - 新增一個提供者 (Provider)，例如「My Provider」。
 - 在「My Provider」新增一個類型為「Messaging API」的頻道 (Channel)，例如「My AI Assistant」。
 - 進到「My AI Assistant」頻道頁面，點選「Messaging API」頁籤，生成一個頻道的 [channel access token](#)。
- 登入 [GitHub](#) 平台，或註冊一個新的帳號。
 - 進到 `gpt-ai-assistant` 專案頁面。
 - 點選「Star」按鈕，支持這個專案與開發者。
 - 點選「Fork」按鈕，將原始碼複製到自己的儲存庫。
- 登入 [Vercel](#) 平台，或註冊一個新的帳號。
 - 點選「Create a New Project」按鈕，建立一個新專案。
 - 點選「Import」按鈕，將 `gpt-ai-assistant` 專案匯入。
 - 點選「Environment Variables」頁籤，新增以下環境變數：
 - `OPENAI_API_KEY`：將值設置為 OpenAI 的 [API key](#)。
 - `LINE_CHANNEL_ACCESS_TOKEN`：將值設置為 LINE 的 [channel access token](#)。
 - `LINE_CHANNEL_SECRET`：將值設置為 LINE 的 [channel secret](#)。
 - 點選「Deploy」按鈕，等待部署完成。
 - 點選「Domains」按鈕，複製應用程式網址，例如「<https://gpt-ai-assistant.vercel.app/>」。
- 回到 [LINE](#) 平台。
 - 進到「My AI Assistant」頻道頁面，點選「Messaging API」頁籤，設置「Webhook URL」，例如「<https://gpt-ai-assistant.vercel.app/webhook>」，點選「Update」按鈕。
 - 點選「Verify」按鈕，驗證是否呼叫成功。
 - 將「Use webhook」功能打開。
 - 將「Auto-reply messages」功能關閉。
 - 將「Greeting messages」功能關閉。
 - 使用 LINE 手機應用程式掃描 QR code，加入好友。
- 開始與你專屬的 AI 助理聊天！

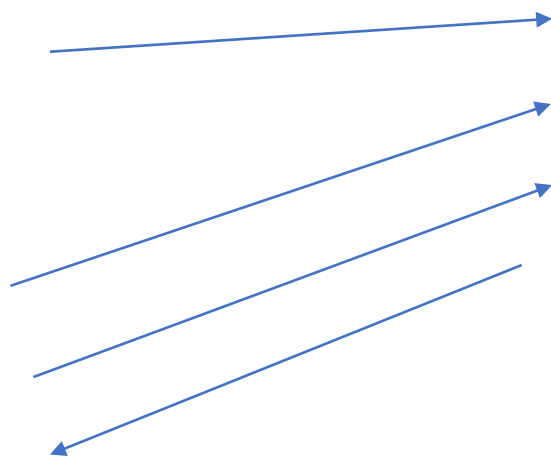
資料來源:

<https://github.com/memochou1993/gpt-ai-assistant>

串接所需平台

- Github
 - gpt-ai-assistant
- OPENAI
 - 申請Openai key
- LINE
 - Linebot
 - Access token
 - Secret
 - Webhook url

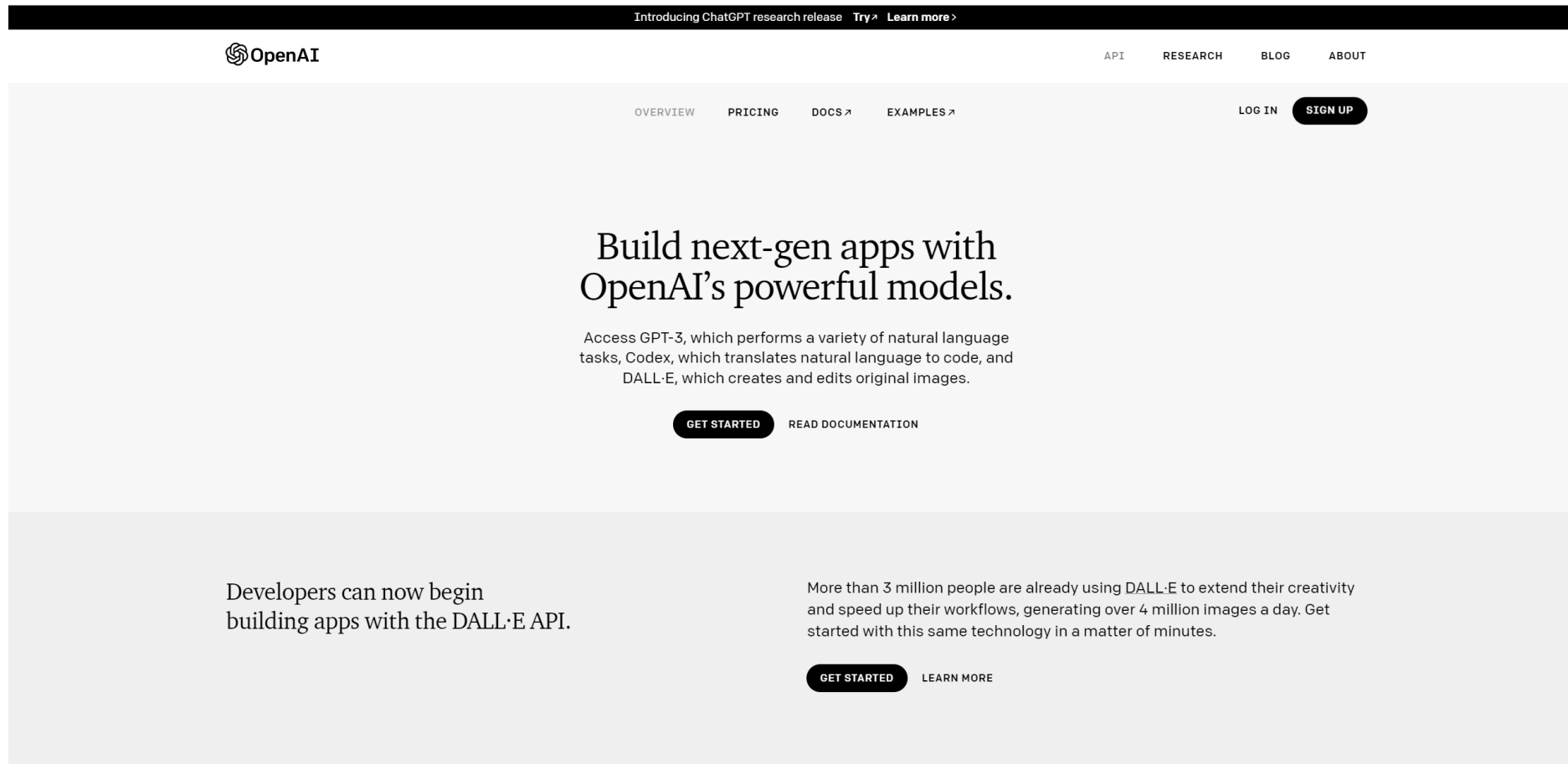
- Vercel
 - Project
 - Environment variables
 - Openai key
 - Access token
 - Secret
 - APP



OPENAI

Openai

https://openai.com/api/



The screenshot shows the OpenAI API landing page. At the top, there is a navigation bar with the OpenAI logo on the left and links for API, RESEARCH, BLOG, and ABOUT on the right. Below this is a secondary navigation bar with links for OVERVIEW, PRICING, DOCS, and EXAMPLES, along with LOG IN and a prominent SIGN UP button. The main content area features a large heading: "Build next-gen apps with OpenAI's powerful models." Below the heading is a paragraph describing the models: "Access GPT-3, which performs a variety of natural language tasks, Codex, which translates natural language to code, and DALL·E, which creates and edits original images." There are two buttons: "GET STARTED" and "READ DOCUMENTATION". A second section below contains the text: "Developers can now begin building apps with the DALL·E API." and "More than 3 million people are already using DALL·E to extend their creativity and speed up their workflows, generating over 4 million images a day. Get started with this same technology in a matter of minutes." This section also has "GET STARTED" and "LEARN MORE" buttons.

Introducing ChatGPT research release [Try](#) [Learn more](#)

OpenAI

API RESEARCH BLOG ABOUT

OVERVIEW PRICING DOCS EXAMPLES

LOG IN **SIGN UP**

Build next-gen apps with OpenAI's powerful models.

Access GPT-3, which performs a variety of natural language tasks, Codex, which translates natural language to code, and DALL·E, which creates and edits original images.

GET STARTED [READ DOCUMENTATION](#)

Developers can now begin building apps with the DALL·E API.

More than 3 million people are already using DALL·E to extend their creativity and speed up their workflows, generating over 4 million images a day. Get started with this same technology in a matter of minutes.

GET STARTED [LEARN MORE](#)

申請OPENAI Key

Overview Documentation Examples Playground Upgrade Help Personal

ORGANIZATION
Personal
Settings
Usage
Members
Billing

USER
API Keys

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.

SECRET KEY	CREATED	LAST USED
sk-...GjVe	2022年12月6日	Never
sk-...rGTc		
sk-...HZUS		

+ Create new secret key

Default organization

If you belong to multiple organizations, you can select a default organization to use when making requests.

Personal

Note: You can also specify which organization to use for each API request. See [Authentication](#) to learn more.

API key generated

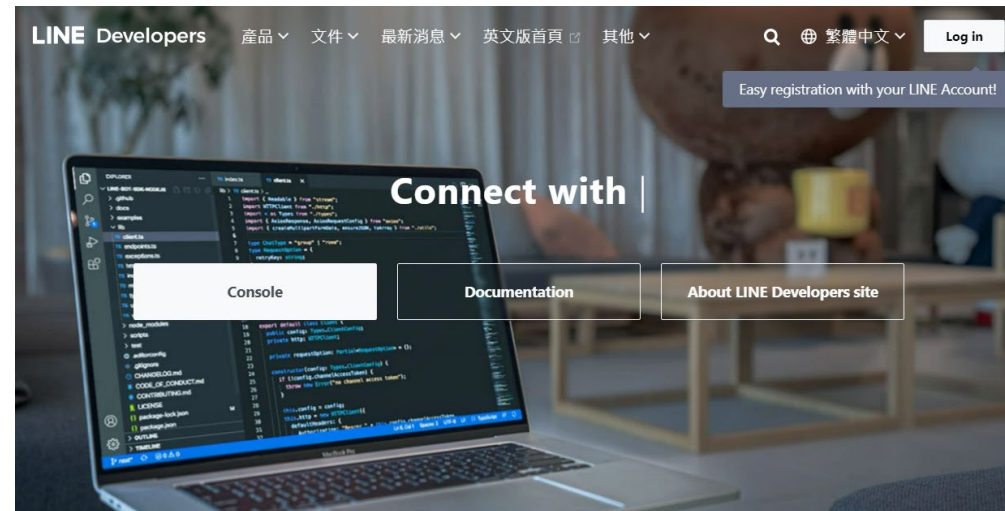
Please save this secret key somewhere safe and accessible. For security reasons, **you won't be able to view it again** through your OpenAI account. If you lose this secret key, you'll need to generate a new one.

sk-ZgBTNlBjWR9zFFWJqMobT3BibkFJEDpTIXyidw9PBCPOHZ

OK

LINEBOT

Line developer <https://developers.line.biz/zh-hant/>



Products



LINE Login
讓 LINE 用戶輕鬆登入並連接開發者的服務。



Messaging API
開啟與 LINE 用戶的雙向溝通。



LINE MINI App
Connect your service and users with LINE MINI App.



LINE Things
透過 LINE 連接 Bluetooth® 低功耗裝置。

Create Provider

LINE Developers News Products Documentation FAQ Glossary Community Blog

Console home

Providers

Search...

Admin





- chatbot_pu
- chatbot_pu
- dctchatbot
- dctchatbot1213
- googleline1217
- NTCUDCT_EC
- ntcudctchatbot0104
- ntcupythonbot
- Professor Wu
- professorwu_pu

Tools

Support

TOP

Recently visited channels

-  **NTCU** New Admin
Messaging API
-  **chatbot1213** Admin
Messaging API
-  **NTCUDCT** Admin
Messaging API
-  **accounting_** Admin
Messaging API

Providers (10)

Create

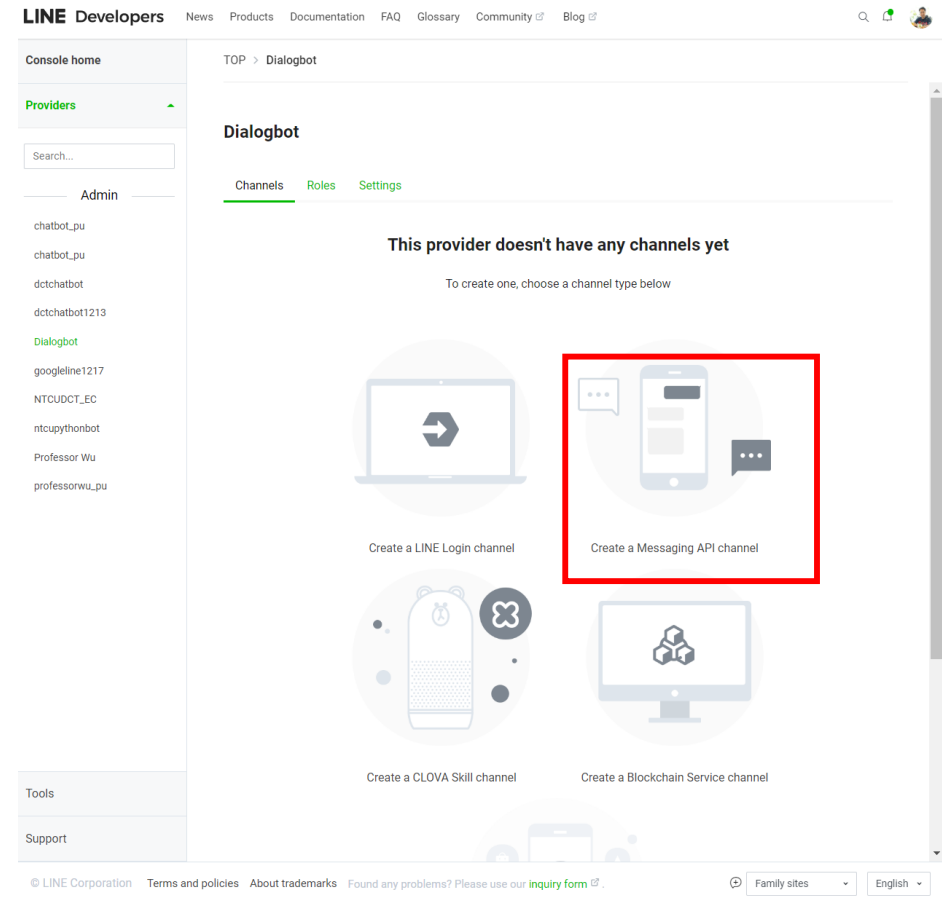
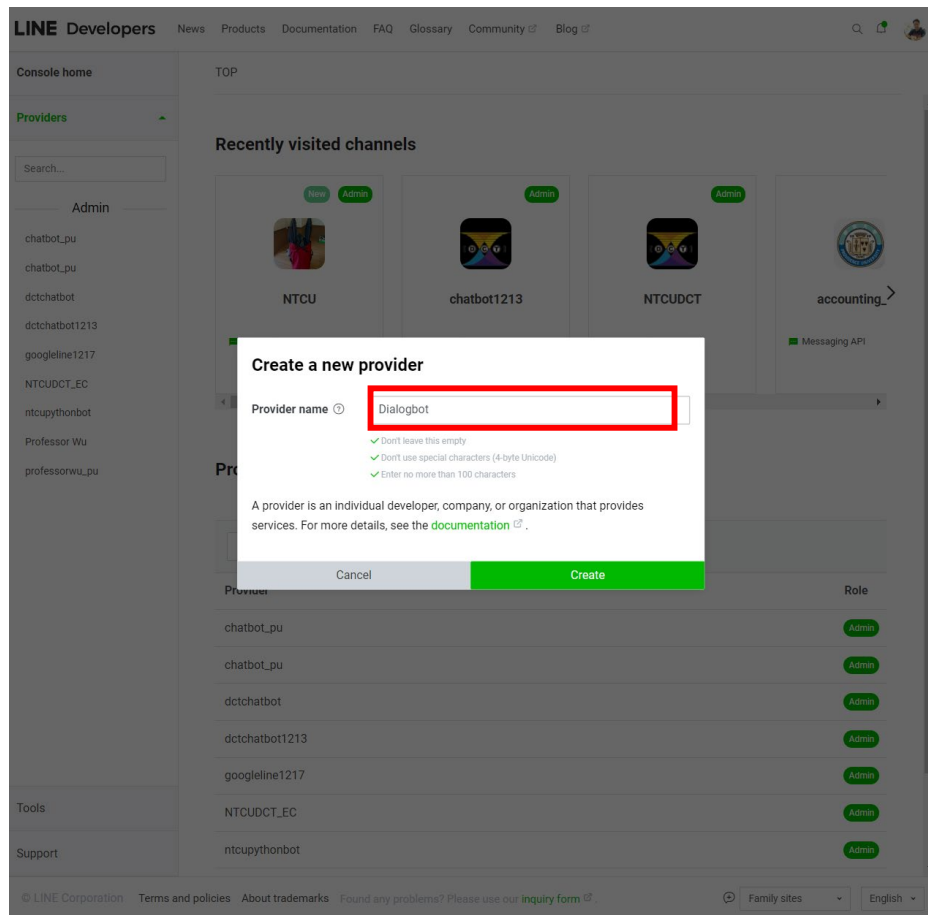
Search...

Provider	Role
chatbot_pu	Admin
chatbot_pu	Admin
dctchatbot	Admin
dctchatbot1213	Admin
googleline1217	Admin
NTCUDCT_EC	Admin
ntcudctchatbot0104	Admin

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Family sites English

Messaging API



設定必要資訊

LINE Developers News Products Documentation FAQ Glossary Community Blog

Console home Providers Admin chatbot_pu detchatbot Dialogbot googletline1217 NTCUDCT_EC ntcupythonbot Professor Wu professorwu_pu

Tools Support

Create a new channel

Channel type: Messaging API

Provider: Dialogbot

Company or owner's country or region: Taiwan

Channel icon: Register

Channel name: Dialogbot1218

Channel description: Dialogflow+Line

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LINE Developers News Products Documentation FAQ Glossary Community Blog

Console home Providers Admin chatbot_pu detchatbot Dialogbot googletline1217 NTCUDCT_EC ntcupythonbot Professor Wu professorwu_pu

Tools Support

Category: 學校

Subcategory: 研究所、大學

Email address: prof.chwu@gmail.com

Privacy policy URL: Enter privacy policy URL

Terms of use URL: Enter terms of use URL

I have read and agree to the LINE Official Account Terms of Use

I have read and agree to the LINE Official Account API Terms of Use

Create

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Messaging API -> Qrcode 加入好友

The screenshot displays the LINE Developers console interface. The main content area is titled "Dialogbot1218" and "Messaging API". Under the "Messaging API settings" section, the "Bot information" shows the "Bot basic ID" as @939xtcdl. The "QR code" section features a QR code that is highlighted with a red rectangular border. Below the QR code, there is a small instruction: "Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others." The "Available APIs" section lists "REPLY_MESSAGE" and "PUSH_MESSAGE". The "Webhook settings" section includes a "Webhook URL" field with an "Edit" button. The footer of the console contains copyright information for LINE Corporation, links to terms and policies, and language selection options for "Family sites" and "English".

Setup

- 設定Webhook URL
- (Copy from vercel)
- 記得網址最後加上/webhook

The screenshot shows the LINE Developers console interface. The breadcrumb navigation is 'TOP > Dialogbot > Dialogbot1218 > Messaging API'. The left sidebar contains 'Console home', 'Providers' (with a search bar and a list of providers including 'chatbot_pu', 'dctchatbot', 'Dialogbot', etc.), 'Admin', 'Tools', and 'Support'. The main content area shows 'Available APIs' (REPLY_MESSAGE, PUSH_MESSAGE), 'Webhook settings' (with 'Webhook URL' and an 'Edit' button highlighted in red), 'LINE Official Account features' (Allow bot to join group chats, Auto-reply messages, Greeting messages), and 'Channel access token' (with an 'Issue' button).

Webhook

Edit -> Past -> Verify -> 出現Success

Use webhook

Console home

TOP > Dialogbot > Dialogbot1218 > Messaging API

Providers

Admin

Available APIs

- REPLY_MESSAGE
- PUSH_MESSAGE

Webhook settings

Webhook URL

Don't leave this empty
 Enter a valid HTTPS URL
 Enter no more than 500 characters

LINE Official Account features

Allow bot to join group chats Disabled [Edit](#)

Auto-reply messages Enabled [Edit](#)

Greeting messages Enabled [Edit](#)

Channel access token

Channel access token (long-lived) [Issue](#)

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Console home

TOP > Dialogbot > Dialogbot1218 > Messaging API

Providers

Admin

Available APIs

- REPLY_MESSAGE
- PUSH_MESSAGE

Webhook settings

Webhook URL

Use webhook

LINE Official Account features

Allow bot to join group chats Disabled [Edit](#)

Auto-reply messages Enabled [Edit](#)

Greeting messages Enabled [Edit](#)

Channel access token

Channel access token (long-lived) [Issue](#)

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這樣才是成功

Webhook settings

Webhook URL ?

Verify

Edit

Use webhook ?




取得Channel access token

LINE Official Account features

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ? Disabled Edit 

Auto-reply messages ? Enabled Edit 

Greeting messages ? Enabled Edit 

Channel access token

Channel access token (long-lived) ?

[Redacted token]



Reissue

Disable Greeting message Auto-response message 非常重要!!!

Edit the message text and other settings for these features in the LINE Official Account Manager

Allow bot to join group chats ①	Disabled	Edit
Auto-reply messages ②	Enabled	Edit
Greeting messages ②	Enabled	Edit

Channel access token

Channel access token (long-lived) ②

QEJjEx1H00PRQamc3NWIM9RksREBoVsrDk/1XQSW3ogam08PGJE3VSG46XQVkgL4B20thXbk5SRqIT5E2xT1SJrfiacvxpPswITAUOuaW2XVgyM4FG0xOr2rqTnpQiyynu/ZYsTbRYwUCdls+2BWwdB04t89/1O/w1cDnyllFU=

[Reissue](#)

LINE Official Account Manager Dialogbot1218 @939xtcdl 輕用量 0 Chat : Off 吳智鴻

Home Insight Chats Profile LINE VOOM Extensions Shopping Mall Settings

Settings

- Account settings
- Manage permissions
- Response settings
- Messaging API
- Registered info

Activity and billing

- Dashboard
- Monthly plan
- Premium ID
- Billing history
- Payment method
- eGUI details

Response settings

Configure how your account will handle chats based on your account's objectives.

Toggle responses

Chat Talk directly to your account friends through chat.

Greeting message Send a greeting in chat when someone first friends your account. [Greeting message settings](#)

Webhooks Send a webhook event from the LINE platform to the webhook URL when, for example, someone sends a message to your account. [Messaging API settings](#)

Auto-response messages Automatically sends a response when certain conditions are met. [Auto-response message settings](#)

Chat response method

Requires "Chat" to be enabled

Response hours Once you set response hours, you can choose different response methods for during and outside those hours.

Response method **During response hours**

- Manual chat
- Manual chat + auto-response messages
Use auto-response messages to quickly respond to customer inquiries while keeping manual chat features for detailed interactions.
- Manual chat + AI response messages
Let AI response messages handle basic questions while keeping manual chat features for detailed interactions.
- Manual chat + auto-response messages + AI response messages
Use auto-response messages to quickly respond to common questions based on keywords while letting AI response messages handle other basic questions. (Auto-response messages won't work without a registered keyword.)

取得Channel ID

The screenshot displays the LINE Developers console interface. The left sidebar contains navigation options: Console home, Providers (with a search bar), Admin (with a list of chatbot instances including Dialogbot), Tools, and Support. The main content area shows the 'Basic settings' page for 'Dialogbot1218'. The 'Channel ID' field is highlighted with a red box, showing the value '1657747486'. Other visible fields include 'Channel icon' (a red square with a black character), 'Channel name' (Dialogbot1218), 'Channel description' (Dialogflow+Line), and 'Email address' (prof.chwu@gmail.com).

取得 Channel secret

The screenshot shows the LINE Developers console interface. The left sidebar contains navigation options: Console home, Providers (with a search bar), Admin, and a list of chatbot instances including 'professorwu_pu'. The main content area displays the 'Basic settings' for 'Dialogbot1218'. Fields include Channel name, Channel description (with an Edit button), Email address (with an Edit button), Privacy policy URL (with an Edit button), Terms of use URL (optional, with an Edit button), App types (Bot), Permissions (PROFILE), Channel secret (highlighted in a red box with an Issue button), Assertion Signing Key (with a Register a public key button), and Your user ID. A 'Delete this channel' section with a Delete button is at the bottom.

Github

Gpt-ai-assistant

[GitHub - memochou1993/gpt-ai-assistant: OpenAI + LINE = GPT AI Assistant](https://github.com/memochou1993/gpt-ai-assistant)

- 下載Code
- Start支持專案
- 下載後解壓縮

memochou1993 / gpt-ai-assistant (Public) Notifications Fork 662 Star 365

<> Code Issues 1 Pull requests Actions Projects Security Insights

main Go to file Code About

memochou1993 1.4.2 7 hours ago 126

File/Folder	Commit Message	Time Ago
.github/ISSUE_TEMPL...	Update issue templates	5 days ago
api	Support custom webhook path	16 hours ago
app	Refactor commands	7 hours ago
config	Rename VERCEL_WEBHOOK_URL environment...	14 hours ago
constants	Add image generation command	14 hours ago
demo	Rename VERCEL_WEBHOOK_URL environment...	14 hours ago
middleware	Rename env and fix storage	yesterday
services	Add image generation command	14 hours ago
storage	Refactor main functions	19 hours ago
tests	Refactor commands	7 hours ago
utils	Refactor tests	11 hours ago
.env.example	Rename VERCEL_WEBHOOK_URL environment...	14 hours ago
.eslintrc.cjs	Refactor commands	7 hours ago
.gitignore	Update .gitignore	5 days ago
.npmrc	1.0.5	3 days ago
CHANGELOG.md	Update CHANGELOG.md	7 hours ago
LICENSE	Add LICENSE	last week
README.md	Refactor tests	11 hours ago
babel.config.cjs	Add test cases	last week
package-lock.json	1.4.2	7 hours ago

OpenAI + LINE = GPT AI Assistant

my-ai-assistant.vercel.app

Readme MIT license 365 stars 2 watching 662 forks

Releases 12

v1.4.2 (Latest) 7 hours ago

+ 11 releases

Contributors 2

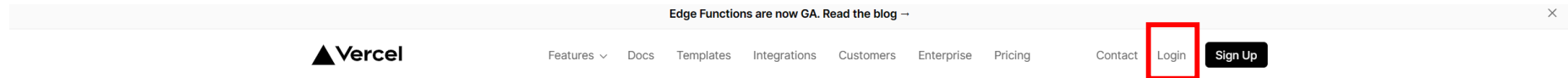
memochou1993 Memo Chou androchentw 陳俊安 (Chen Chun...)

Languages

JavaScript 98.3% Shell 1.7%

Vercel

Develop. Preview. Ship. For the best frontend teams – Vercel



Develop. Preview. Ship.

Vercel is the platform for frontend developers, providing the speed and reliability innovators need to create at the moment of inspiration.



TRUSTED BY THE BEST FRONTEND TEAMS



Create Project

- 建立新Project

The screenshot shows the Vercel dashboard interface. At the top, there is a navigation bar with the user's profile 'chwu-ntcuedutw' and a 'Hobby' tag. Below this is a menu with options like 'Overview', 'Integrations', 'Activity', 'Domains', 'Usage', 'Edge Config', and 'Settings'. A search bar and an 'Add New...' button are also visible. The main content area displays the message 'No projects, yet!' and 'Create a project from a Template, or import a Git repository.' Below this, there are four template cards: 'Next.js', 'Next.js Commerce', 'Nuxt.js', and 'SvelteKit (Legacy ...)'. At the bottom of the main content area, there are two buttons: 'Create a New Project' (which is highlighted with a red box) and 'Browse Templates →'.

Import github project

- 導入github

The screenshot shows the Vercel 'new' page. At the top, the browser address bar shows 'vercel.com/new'. Below the navigation bar, the main heading is 'Let's build something new.' with a subtext: 'To deploy a new Project, import an existing Git Repository or get started with one of our Templates.' There are two main sections: 'Import Git Repository' and 'Clone Template'. The 'Import Git Repository' section has a search bar with 'profwu' and a list of repositories with 'Import' buttons. A red box highlights the 'Import Third-Party Git Repository ->' link at the bottom. The 'Clone Template' section shows various templates like 'Next.js', 'Next.js Commerce', 'SvelteKit (Legacy...)', and 'Nuxt.js'.

建立自己的 github repository

- 輸入欲建立的repository名稱
- Ex. gptlinebot

vercel.com/new/clone?s=https%3A%2F%2Fgithub.com%2Fmemochou1993%2Fgpt-ai-ass...

Google 地圖 Google SSCI Journal Google 日曆 Meeting - Google... Prof. Chih-Hung... MOST

chwu-ntcuedutw Hobby

Feedback Help

← Back

You're almost done.
Please follow the steps to configure your Project and deploy it.

gpt-ai-assistant

Create Git Repository

To ensure you can easily update your project after deploying it, a Git repository must be created. Every push to that Git repository will be deployed automatically.

Git Scope: profwu

Repository Name: my-repository

Create private Git Repository

Create

Deploy

Preparing Git Repository.

Environment Variables

- 建立環境變數

The screenshot shows the Vercel deployment interface for a project named 'ktq31js3'. The top navigation bar includes the Vercel logo, the project name, and a 'Hobby' plan indicator. Below the navigation, there are tabs for 'Deployment', 'Functions', and 'Source'. The main content area displays the deployment status as 'Ready' with a green dot. To the right of the status is a 'Visit' button. Below the status, the environment is identified as 'Production'. The duration of the deployment is '13s (7m ago)'. The domains section shows the URL 'gptlinebot-ktq31js39-chwu-ntcuedutw.vercel.app'. The branch is 'main' with a commit hash '4638cb6' and a note that it was created from 'https://vercel.com/new'. Below this, the 'Deployment Status' section is expanded, showing a list of steps: 'Building' (13s, completed), 'Running Checks' (not started), and 'Assigning Domains' (4s, completed). The 'Assigning Domains' step is highlighted with a red box. Underneath, three domain entries are listed: 'gptlinebot-chwu-ntcuedutw.vercel.app' (Automatic URL), 'gptlinebot-git-main-chwu-ntcuedutw.vercel.app' (Automatic URL), and 'gptlinebot.vercel.app' (Custom Domain). The 'Manage' button for the custom domain is also highlighted with a red box. A blue arrow points from the 'Assigning Domains' step to the 'Manage' button.

Environment Variables

- OPENAI_API_KEY
- LINE_CHANNEL_SECRET
- LINE_CHANNEL_ACCESS_TOKEN

The screenshot shows the Vercel Settings page for Environment Variables. The left sidebar contains navigation options: Project, Deployments, Analytics, Edge Config, and Settings. The main content area is titled 'Environment Variables' and includes a message: 'A new Deployment is required for your changes to take effect.' Below this is a form to add or edit environment variables. The form has a table with columns for 'Key' and 'Value'. An example key 'CLIENT_KEY' is shown. There is an 'Add another' button. Below the table, there are checkboxes for 'Production', 'Preview', and 'Development' environments. At the bottom of the form, there is an 'Import' button and a 'Save' button. A tip says: 'TIP: Paste a .env above to populate the form'. Below the form, there is a checkbox for 'Automatically expose System Environment Variables'. At the bottom, there is a search bar and a list of environment variables. The list is filtered to 'All Environments' and sorted by 'Last Updated'. Three variables are listed and highlighted with red boxes: 'LINE_CHANNEL_SECRET' (Updated 5m ago), 'LINE_CHANNEL_ACCESS_TOK...' (Updated 6m ago), and 'OPENAI_API_KEY' (Added 8m ago).

Project Deployments Analytics Edge Config Settings

them right here, for the Environment of your choice. [Learn more](#)

General
Domains
Integrations
Git
Functions
Environment Variables
Security
Advanced

A new Deployment is required for your changes to take effect.

Key	Value
e.g. CLIENT_KEY	

+ Add another

Environment

Production

Preview [Select custom branch](#)

Development

Import TIP: Paste a .env above to populate the form Save

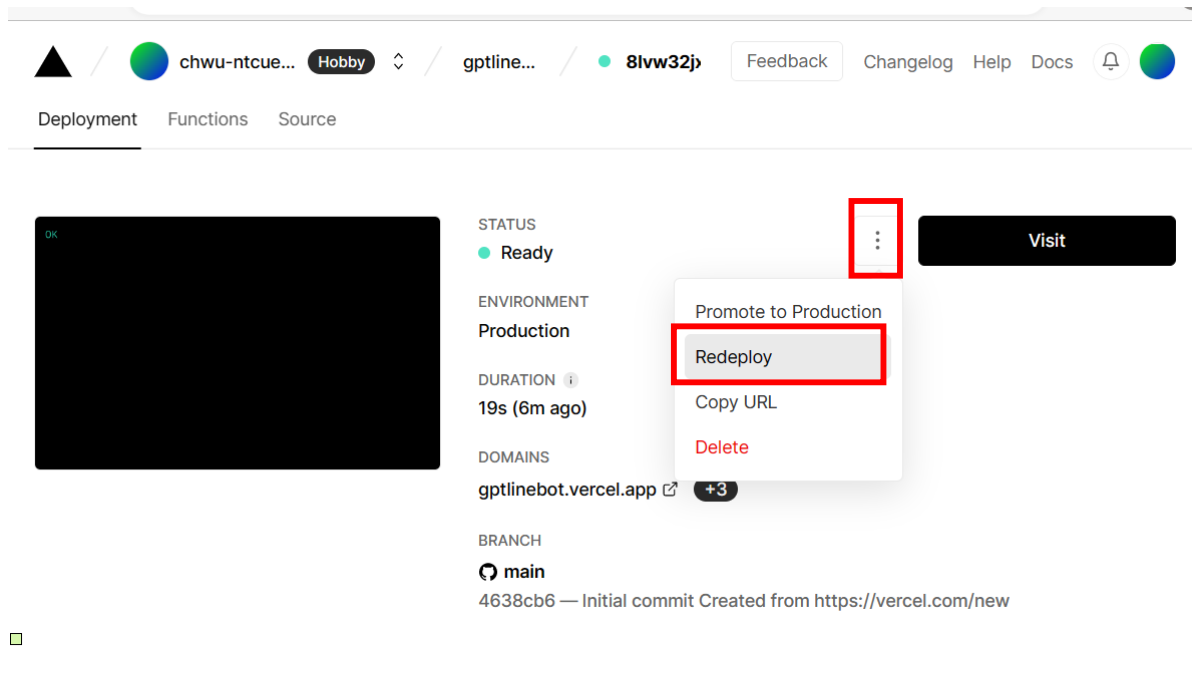
Automatically expose [System Environment Variables](#)

Search... All Environments Last Updated

<>	LINE_CHANNEL_SECRET Development, Preview, Produc...	Updated 5m ago	
<>	LINE_CHANNEL_ACCESS_TOK... Development, Preview, Produc...	Updated 6m ago	
<>	OPENAI_API_KEY Development, Preview, Produc...	Added 8m ago	

Redeploy

- 記得重新佈署，
- 確保有更新

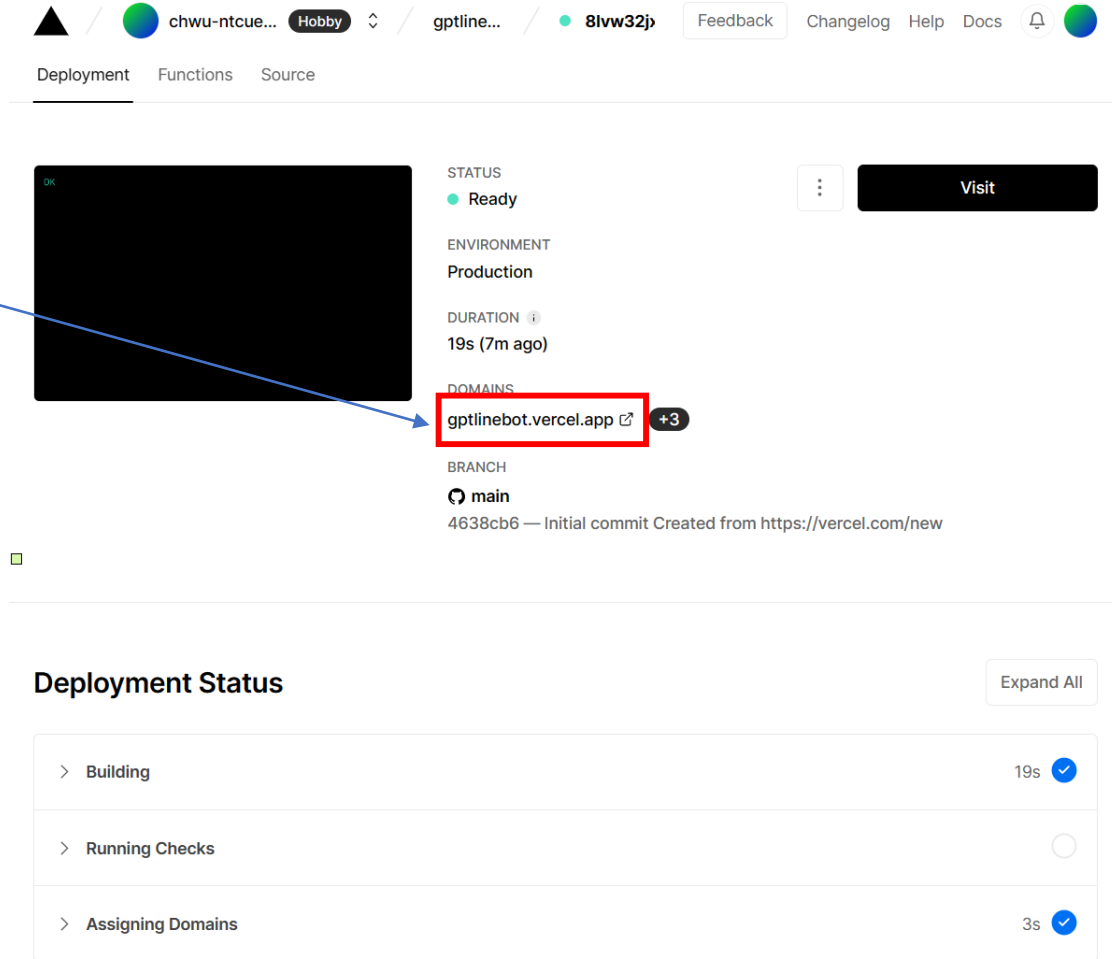


The screenshot shows the Vercel deployment interface for a project named 'gptlinebot.vercel.app'. The status is 'Ready'. A dropdown menu is open, showing options: 'Promote to Production', 'Redeploy' (highlighted with a red box), 'Copy URL', and 'Delete'. A 'Visit' button is also visible. Below the deployment details, the 'Deployment Status' section shows a table of deployment steps:

Step	Duration	Status
> Building	18s	✓
> Running Checks		○
> Assigning Domains	1s	✓

Domain -> (Webhook)

- 取得domain name



The screenshot shows the Vercel deployment interface for a project named 'gptlinebot.vercel.app'. The top navigation bar includes the user profile 'chwu-ntcue...' with a 'Hobby' badge, the project name 'gptline...', and the deployment ID '8lvw32j'. There are links for 'Feedback', 'Changelog', 'Help', and 'Docs'. Below the navigation, there are tabs for 'Deployment', 'Functions', and 'Source'. The main content area displays the deployment status as 'Ready' in green. The environment is 'Production', and the duration is '19s (7m ago)'. Under the 'DOMAINS' section, the domain 'gptlinebot.vercel.app' is listed and highlighted with a red box. Below this, the 'BRANCH' is 'main' with a commit hash '4638cb6' and a note 'Initial commit Created from https://vercel.com/new'. At the bottom, the 'Deployment Status' section shows three steps: 'Building' (19s, completed), 'Running Checks' (not started), and 'Assigning Domains' (3s, completed).

Deployment Status Expand All

> Building	19s <input checked="" type="checkbox"/>
> Running Checks	<input type="checkbox"/>
> Assigning Domains	3s <input checked="" type="checkbox"/>

Line Webhook設定

- 記得網址加上/webhook

LINE Developers News Products Documentation FAQ Glossary Community

Console home


Providers ▲

Search...

Admin

- chatbot_pu
- dctchatbot
- dctchatbot1213
- Dialogbot
- googleline1217
- GPTLINEbot
- NTCUDCT_EC
- NTCUDCTchat
- ntcupythonbot
- Professor Wu

TOP > GPTLINEbot > GPTLINEBOT > Messaging API



Scan this QR code with LINE to add your LINE Official Account

Available APIs ?

- REPLY_MESSAGE
- PUSH_MESSAGE

Webhook settings

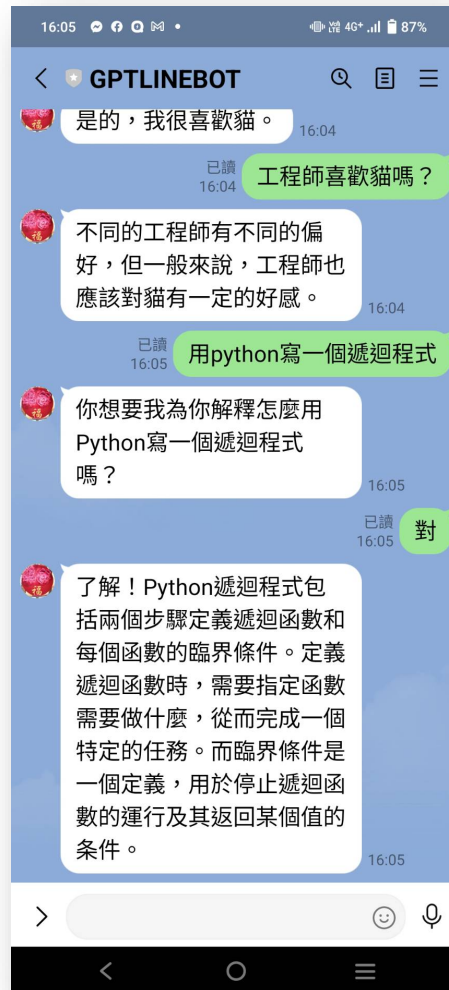
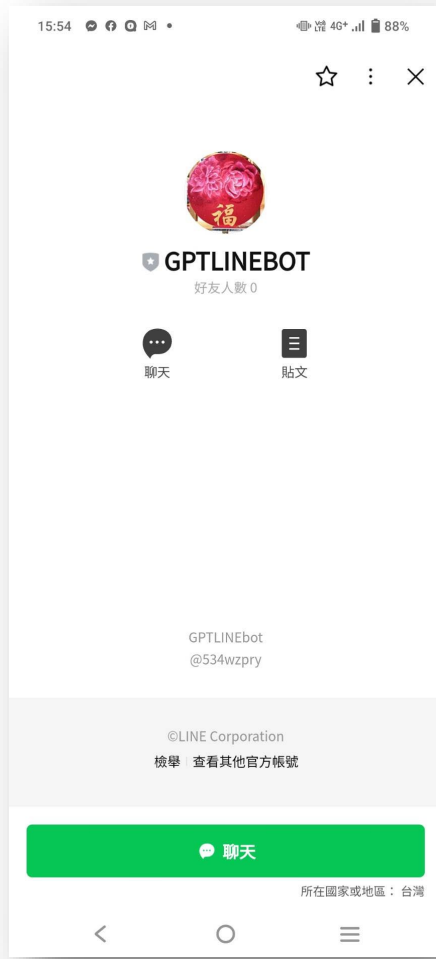
Webhook URL ? `https://gptlinebot.vercel.app/webhook`

Verify Edit

Use webhook ?

Webhook redelivery ?

Success



資料來源

- <https://github.com/memochou1993/gpt-ai-assistant>