

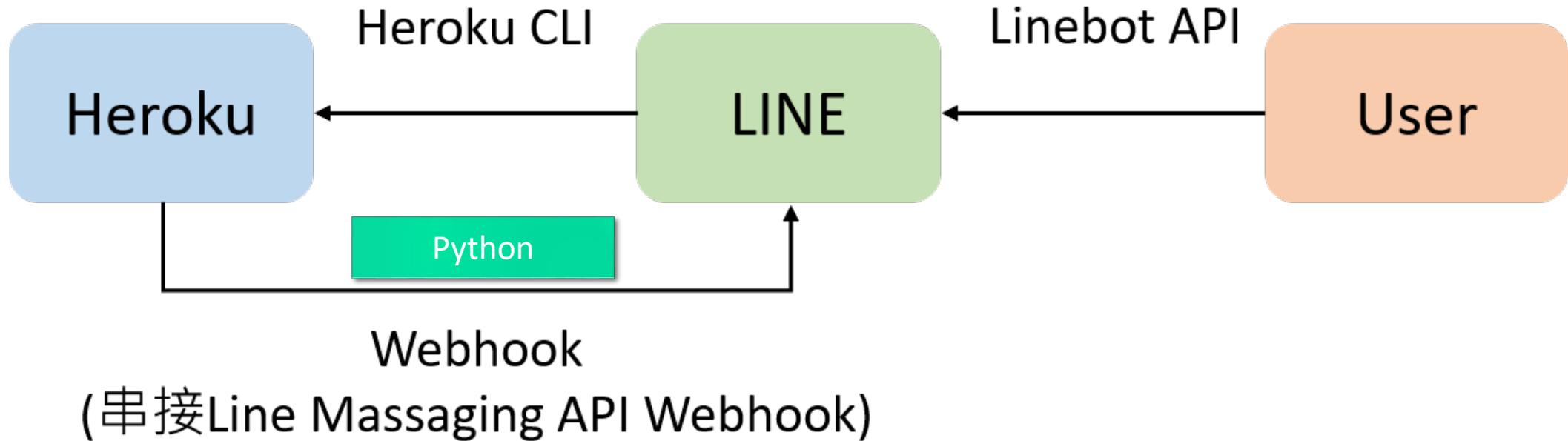
電子商務與互動行銷

Python + LINE聊天機器人製作

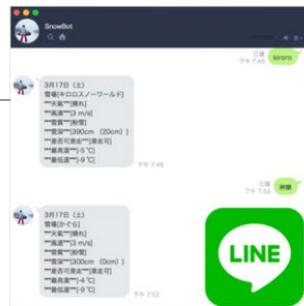
吳智鴻

國立臺中教育大學 數位內容科技學系

System Infrastructure



進階一點的infrastructure (加入NLP)



LineBot

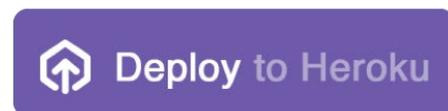
Line發問 ↓ ↑ Bot回答



Server: Line callback



NLP語意分析

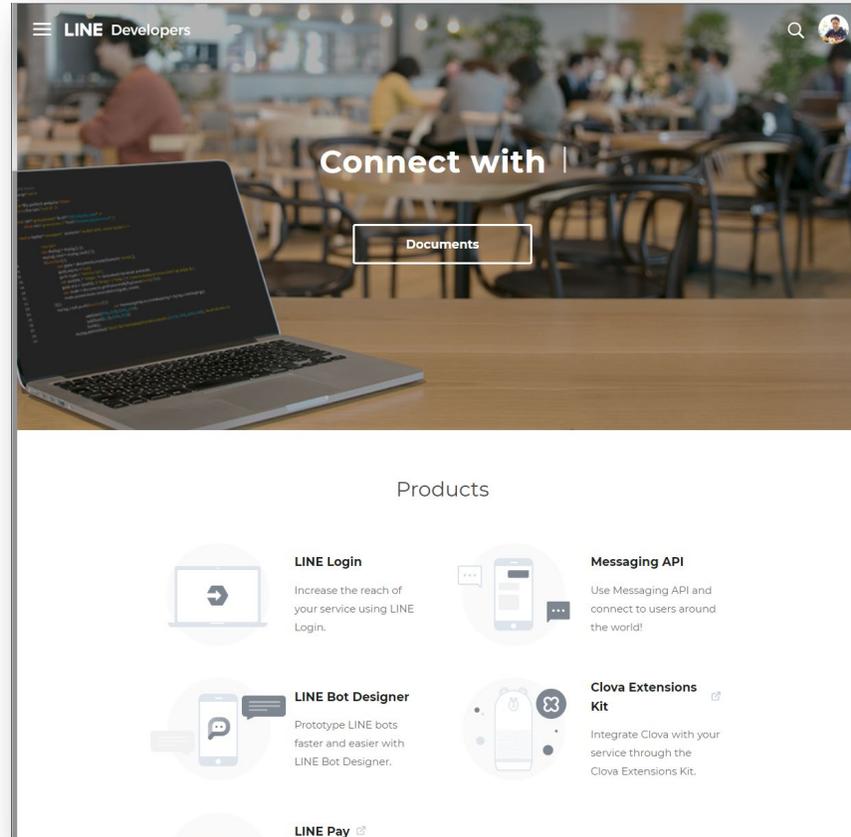


部署至Heroku

建立LINE BOT

登入Line Developers

<https://developers.line.biz/en/>



[返回服務](#)

LINE Business ID

使用LINE帳號登入

或

使用商用帳號登入

[建立帳號](#)

使用LINE商用ID須遵從服務條款等規定，登入後即視為您同意相關條款內容。

[? 關於LINE商用ID](#)

繁體中文 ▾

[Help](#) [服務條款](#) © LINE Corporation

Create New Provider

LINE Developers

Welcome 吳智鴻

Providers

- Provider List
- Azure
- NTCUDCT
- Prof. Wu
- Professor Wu
- 星巴克聊天機器人
- 高典

Tools

Support

Provider List (6)

Create New Provider

Provider	Role
NTCUDCT	Admin
Prof. Wu	Admin
高典	Admin
星巴克聊天機器人	Admin
Azure	Admin
Professor Wu	Admin

Create New Provider

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LINE Developers

Welcome 吳智鴻

Create new provider

Enter provider information → Confirm → Done

Enter name of provider
The provider is the entity (individual or company) that offers the app.

Provider name
NTCUDCT
Max: 100 characters

Confirm

Provider List
Azure
NTCUDCT
Prof. Wu
Professor Wu
暹巴克聊天機器人
高典

Tools
Support

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LINE Developers

Welcome 吳智鴻

Create new provider

Enter provider information → **Confirm** → Done

Enter name of provider
The provider is the entity (individual or company) that offers the app.

Provider name
NTCUDCT

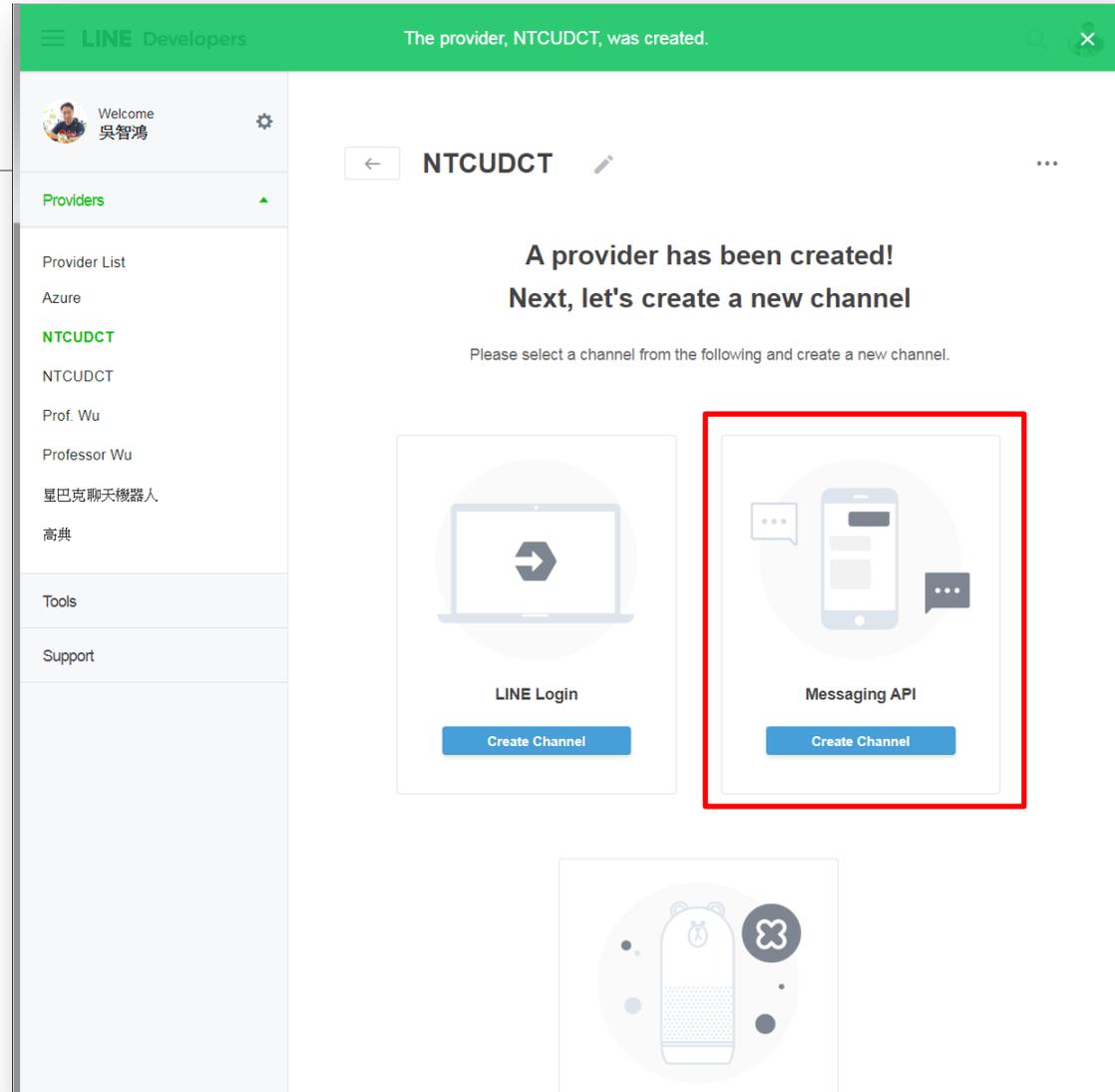
Create

Provider List
Azure
NTCUDCT
Prof. Wu
Professor Wu
暹巴克聊天機器人
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Tools
Support

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選擇Messaging API方式



設定畫面



Providers

Provider List

Azure

NTCUDCT

Prof. Wu

Professor Wu

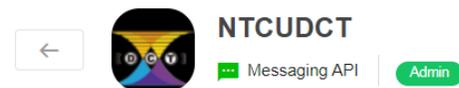
星巴克聊天機器人

高典

Tools

Support

TOP > [Provider List](#) > [NTCUDCT](#) > [NTCUDCT](#) > Channel settings

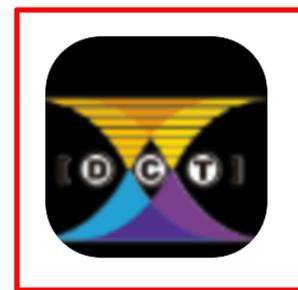


Confirm and edit the basic information (such as the app name and icon) and other settings of the channel.
Note: Only the "Quit testing" button is displayed for testers.

Basic information

App icon and App name can be changed at LINE official account manager. [Change informations](#)

App icon



App name

NTCUDCT

App description

NTCUDCT

可以用LINE加入機器人了

LINE Developers

Allow bot to join group chats ?
Disabled [Set message](#)

Using LINE@ features
Message text for LINE@ features are set on the LINE@ Manager.

Auto-reply messages ?
Enabled [Set message](#)

Greeting messages ?
Enabled [Set message](#)

Bot Informations

QR code of your bot



Use this QR code to add your bot as a friend for testing and to share your bot with other users.

Basic ID



NTCUDCT

今天

感謝您將本帳號加入好友 😊
若不想接收提醒,可以點選本畫面右上方的選單圖示,然後關閉「提醒」的設定
喔 👍

下午 10:13

預設歡迎訊息

建立LINE的互動行銷

Python + Heroku+Line
圖文式LINE BOT

LINE豐富的圖文選單互動樣式



步驟 1-1：Line Developer 申請 建立一個 Provider

LINE Developers Products Documents API reference News FAQ Community [Blog](#)

Console home

Providers [▲](#)

Search...

Admin

Azure

NTCUDCT

NTCUDCT1126

Prof. Wu

Professor Wu

ptest

星巴克聊天機器人

高典

TOP

Providers (8) [Create](#)

Create a new provider

Provider name [?](#)

- ✓ Don't leave this empty
- ✓ Don't use special characters (4-byte Unicode)
- ✓ Enter no more than 100 characters

[Create](#)

LINE Developers Products Documents API reference News FAQ Community [Blog](#)

Console home

Providers [▲](#)

Search...

Admin

Azure

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Tools

TOP > ptest > MyLinebot_test

 **MyLinebot_test**
[Admin](#) [Messaging API](#)

[Basic settings](#) [Messaging API](#) [LIFF](#) [Security](#) [Statistics](#) [Roles](#)

Basic settings

Basic information

You can change your app name and icon in [LINE Official Account Manager](#) [↗](#)

Channel ID [?](#) 1655037754

Channel icon 

步驟1-2:選Messaging API channel



Console home

Providers ▲

Search...

Admin

Azure

ntcubot2

NTCUDCT

NTCUDCT1126

Prof. Wu

Professor Wu

ptest

星巴克聊天機器人

高典

Tools

TOP > ntcubot2

ntcubot2

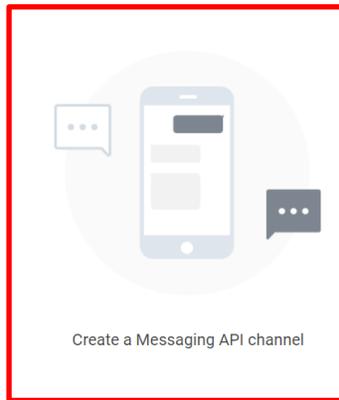
Channels Roles Settings

This provider doesn't have any channels yet

To create one, choose a channel type below



Create a LINE Login channel



Create a Messaging API channel



Create a CLOVA Skill channel



Create a Blockchain Service channel



Create a LINE MINI App channel

步驟1-3: 建立一個channel

LINE Developers [Products](#) [Documents](#) [API reference](#) [News](#) [FAQ](#) [Community](#) [Blog](#)

Console home

Providers

Search...

Admin

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ntcubot2

NTCUDCT

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Tools

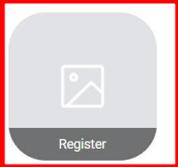
Support

TOP

Create a channel

Channel type: Messaging API
✓ Don't leave this empty

Provider: ntcubot2
✓ Don't leave this empty

Channel icon (optional)

✓ File type must be one of: PNG, JPG, JPEG, GIF, BMP
✓ File must be no larger than 3 MB

Channel name: Enter channel name
Note: The channel name can't be changed for seven days.
✗ Don't leave this empty
✓ Don't use special characters (4-byte Unicode)
✓ Enter no more than 20 characters.

步驟1-4: 建立完成的Linebot

The screenshot displays the LINE Developers console interface. The top navigation bar includes 'LINE Developers' and links for 'Products', 'Documents', 'API reference', 'News', 'FAQ', 'Community', and 'Blog'. The left sidebar contains a 'Console home' section and a 'Providers' section with a search bar and a list of providers including 'Admin', 'Azure', 'NTCUDCT', 'NTCUDCT1126', 'Prof. Wu', 'Professor Wu', 'ptest', '星巴克聊天機器人', and '高典'. The main content area shows the configuration for 'MyLinebot_test', with a breadcrumb trail 'TOP > ptest > MyLinebot_test'. The bot's name 'MyLinebot_test' is displayed with an 'Admin' button and 'Messaging API' label. Below this are tabs for 'Basic settings', 'Messaging API', 'LIFF', 'Security', 'Statistics', and 'Roles'. The 'Basic settings' tab is active, showing 'Basic information' with a note: 'You can change your app name and icon in [LINE Official Account Manager](#)'. The 'Channel ID' is listed as 1655037754. The 'Channel icon' is shown as a square image of a person sitting on a wooden bridge over a river.

步驟1-5: 找出Channel secret & Channel Access Token

LINE Developers Products Documents API reference News FAQ Community Blog

Console home

Providers

Search...

Admin

Azure

NTCUDCT

NTCUDCT1126

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星巴克聊天機器人

高典

Tools

TOP > ptest > MyLinebot_test

Edit

Privacy policy URL

Edit

Terms of use URL

optional

Edit

App types

Bot

Permissions

PROFILE

Channel secret

Issue

Assertion Signing Key

Issue

LINE Developers Products Documents API reference News FAQ Community Blog

Console home

Providers

Search...

Admin

Azure

NTCUDCT

NTCUDCT1126

Prof. Wu

Professor Wu

ptest

星巴克聊天機器人

高典

Tools

TOP > ptest > MyLinebot_test > Messaging API

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

Enabled

Edit

Auto-reply messages

Disabled

Edit

Greeting messages

Enabled

Edit

Channel access token

Channel access token (long-lived)

Software

請先安裝以下軟體



Python
程式語言



vsCode
編輯器(IDE)



GIT 版本控制軟體



Heroku 伺服器

安裝python 3.8

- No files for this release.
- [Python 3.7.9 - Aug. 17, 2020](#)

Note that Python 3.7.9 cannot be used on Windows XP or earlier.

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- [Download Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.6.12 - Aug. 17, 2020](#)

Note that Python 3.6.12 cannot be used on Windows XP or earlier.

- No files for this release.
- [Python 3.8.5 - July 20, 2020](#)

Note that Python 3.8.5 cannot be used on Windows XP or earlier.

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.8.4 - July 13, 2020](#)

Note that Python 3.8.4 cannot be used on Windows XP or earlier.

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)

- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.5.10rc1 - Aug. 22, 2020](#)

- No files for this release.

- [Python 3.9.0rc1 - Aug. 11, 2020](#)

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.9.0b5 - July 20, 2020](#)

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.9.0b4 - July 3, 2020](#)

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)
- Download [Windows x86-64 web-based installer](#)
- Download [Windows x86 embeddable zip file](#)
- Download [Windows x86 executable installer](#)
- Download [Windows x86 web-based installer](#)

- [Python 3.7.8rc1 - June 17, 2020](#)

- Download [Windows help file](#)
- Download [Windows x86-64 embeddable zip file](#)
- Download [Windows x86-64 executable installer](#)

Visual Studio Code

 Visual Studio Code [Docs](#) [Updates](#) [Blog](#) [API](#) [Extensions](#) [FAQ](#) [Learn](#)  [Download](#)

Version 1.63 is now available! Read about the new features and fixes from November. 

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



 **Windows**
Windows 7, 8, 10, 11

User Installer [64 bit](#) [32 bit](#) [ARM](#)
System Installer [64 bit](#) [32 bit](#) [ARM](#)
.zip [64 bit](#) [32 bit](#) [ARM](#)



 **.deb**
Debian, Ubuntu

 **.rpm**
Red Hat, Fedora, SUSE

.deb [64 bit](#) [ARM](#) [ARM 64](#)
.rpm [64 bit](#) [ARM](#) [ARM 64](#)
.tar.gz [64 bit](#) [ARM](#) [ARM 64](#)

[Snap Store](#)



 **Mac**
macOS 10.11+

.zip [Universal](#) [Intel Chip](#) [Apple Silicon](#)

git

git --everything-is-local

Search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

Downloads

macOS **Windows**
Linux/Unix

Latest source Release
2.34.1
Release Notes (2021-11-24)
Download for Windows

Older releases are available and the Git source repository is on GitHub.

GUI Clients

Git comes with built-in GUI tools (**git-gui**, **gitk**), but there are several third-party tools for users looking for a platform-specific experience.
[View GUI Clients →](#)

Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.
[View Logos →](#)

Git via Git

If you already have Git installed, you can get the latest development version via Git itself:

```
git clone https://github.com/git/git
```

You can also always browse the current contents of the git repository using the [web interface](#).

Heroku CLI

Salesforce Developers / Heroku

Heroku Dev Center

Get Started Documentation Changelog Search

CATEGORIES

- Heroku Architecture
- Command Line**
- Deployment
- Continuous Delivery
- Language Support
- Databases & Data Management
- Monitoring & Metrics
- App Performance
- Add-ons
- Collaboration
- Security
- Heroku Enterprise
- Patterns & Best Practices
- Extending Heroku
- Accounts & Billing
- Troubleshooting & Support

Command Line / The Heroku CLI

The Heroku CLI

English — 日本語に切り替える

Last updated December 02, 2021

Table of Contents

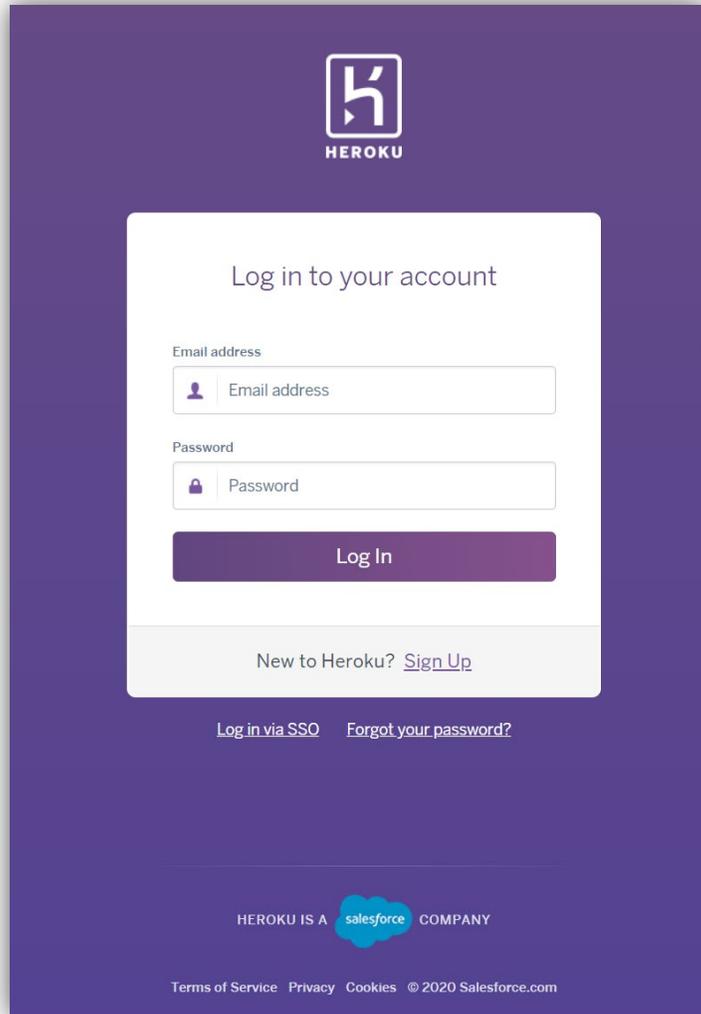
- Download and install**
 - Other installation methods
 - Verifying your installation
 - Getting started
 - Staying up to date
 - Useful CLI plugins
 - CLI architecture
 - Troubleshooting
 - Uninstalling the Heroku CLI

The Heroku Command Line Interface (CLI) makes it easy to create and manage your Heroku apps directly from the terminal. It's an essential part of using Heroku.

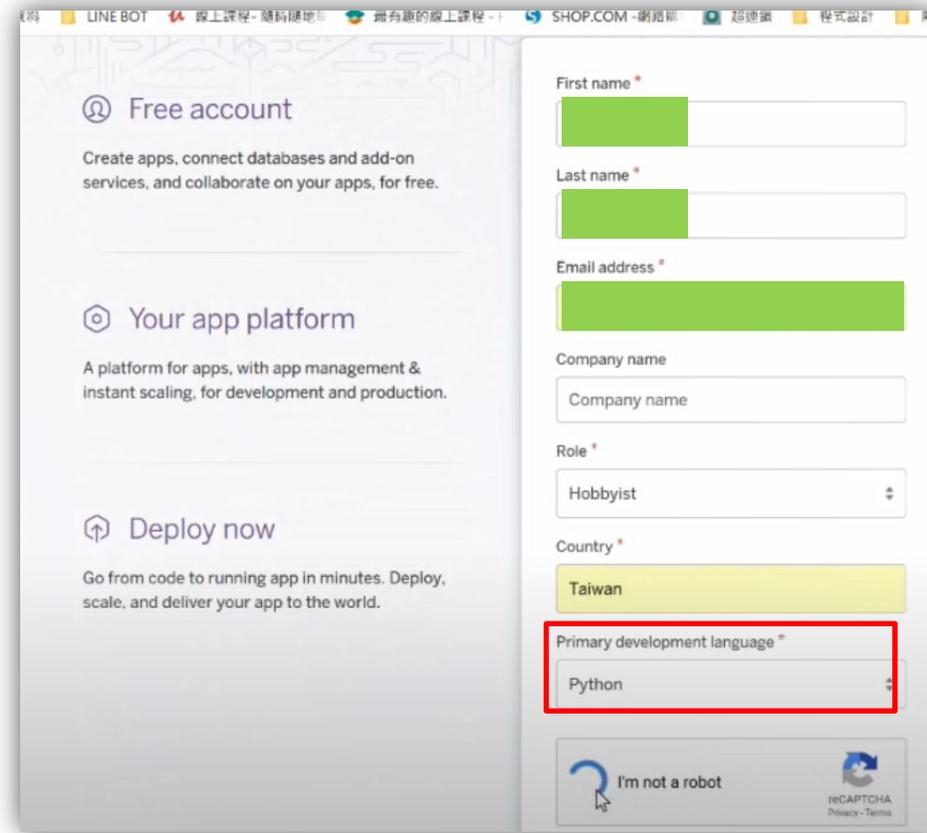
Download and install

! The Heroku CLI requires **Git**, the popular version control system. If you don't already have Git installed, complete the following before installing the CLI:

在Heroku註冊一個帳號



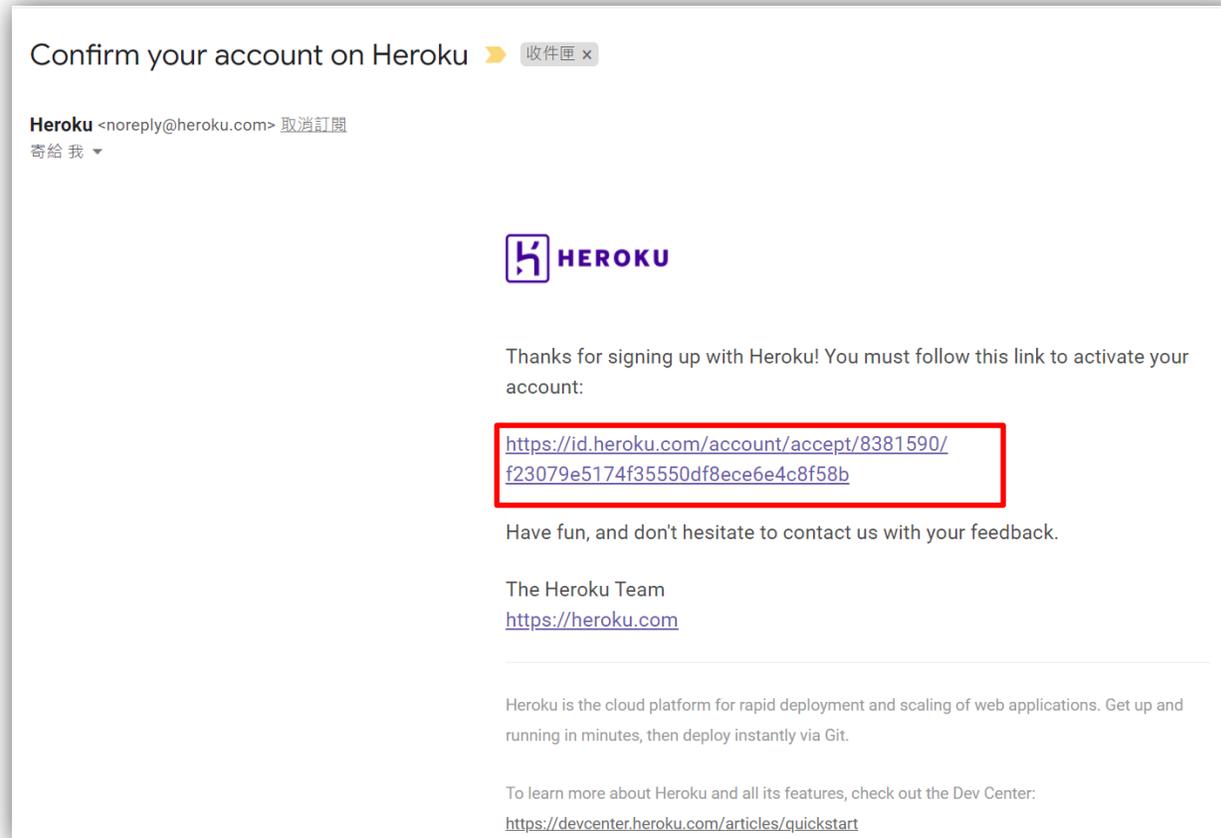
The image shows the Heroku login page. At the top center is the Heroku logo, a white 'H' inside a square on a purple background. Below the logo, the text 'Log in to your account' is centered. There are two input fields: 'Email address' and 'Password'. Below these is a purple 'Log In' button. At the bottom, there is a link for 'New to Heroku? Sign Up' and links for 'Log in via SSO' and 'Forgot your password?'. The footer includes 'HEROKU IS A salesforce COMPANY' and 'Terms of Service Privacy Cookies © 2020 Salesforce.com'.



The image shows the Heroku registration page. On the left, there are three sections: 'Free account' (Create apps, connect databases and add-on services, and collaborate on your apps, for free.), 'Your app platform' (A platform for apps, with app management & instant scaling, for development and production.), and 'Deploy now' (Go from code to running app in minutes. Deploy, scale, and deliver your app to the world.). On the right, there is a registration form with the following fields: 'First name *', 'Last name *', 'Email address *', 'Company name', 'Role *' (with 'Hobbyist' selected), 'Country *' (with 'Taiwan' selected), and 'Primary development language *' (with 'Python' selected and highlighted by a red box). At the bottom, there is a reCAPTCHA 'I'm not a robot' checkbox and a 'reCAPTCHA Privacy - Terms' link.

記得選取Python形式
註冊

Heroku註冊後會收到activate信件



登入Heroku 建立一個app

The screenshot shows the Heroku dashboard interface. At the top left is the Heroku logo. A search bar contains the text "Jump to Favorites, Apps, Pipelines, Spaces...". On the right side of the top bar, there are icons for a grid and a profile. Below the top bar, the user's profile is labeled "Personal". A red box highlights a "New" button with a dropdown arrow. Below this is a search bar for "Filter apps and pipelines". A list of three existing apps is shown, with a red box around them and a green callout bubble containing the text "已經建立的app". The apps listed are "ntcu1234", "ntcubot", and "ntcumarketing1004". To the right of this list, three app details are visible, each with a Python logo, "heroku-18", "United States", and a star icon.

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Personal

New

Filter apps and pipelines

ntcu1234

ntcubot

ntcumarketing1004

heroku-18 • United States

Python • heroku-18 • United States

Python • heroku-18 • United States

已經建立的app

建立一個app的名子

 **HEROKU**

Jump to Favorites, Apps, Pipelines, Spaces...

Create New App

App name



ntcuepythonbot is available

Choose a region

 United States 

[Add to pipeline...](#)

[Create app](#)

建立完成

The screenshot shows the Heroku dashboard for an application named "ntcuecpythonbot". The interface includes a navigation bar with the Heroku logo, a search bar, and user profile information. Below the navigation bar, there are tabs for "Overview", "Resources", "Deploy", "Metrics", "Activity", "Access", and "Settings". The main content area is divided into several sections:

- Add this app to a pipeline:** This section provides instructions on how to add the app to a pipeline. It includes a dropdown menu labeled "Choose a pipeline".
- Deployment method:** This section offers three options for deployment: "Heroku Git" (Use Heroku CLI), "GitHub" (Connect to GitHub), and "Container Registry" (Use Heroku CLI).
- Deploy using Heroku Git:** This section provides instructions on how to deploy the app using Heroku Git. It includes a code block with the command `$ heroku login`.
- Install the Heroku CLI:** This section provides instructions on how to install the Heroku CLI. It includes a code block with the commands `$ cd my-project/`, `$ git init`, and `$ heroku git:remote -a ntcuecpythonbot`.

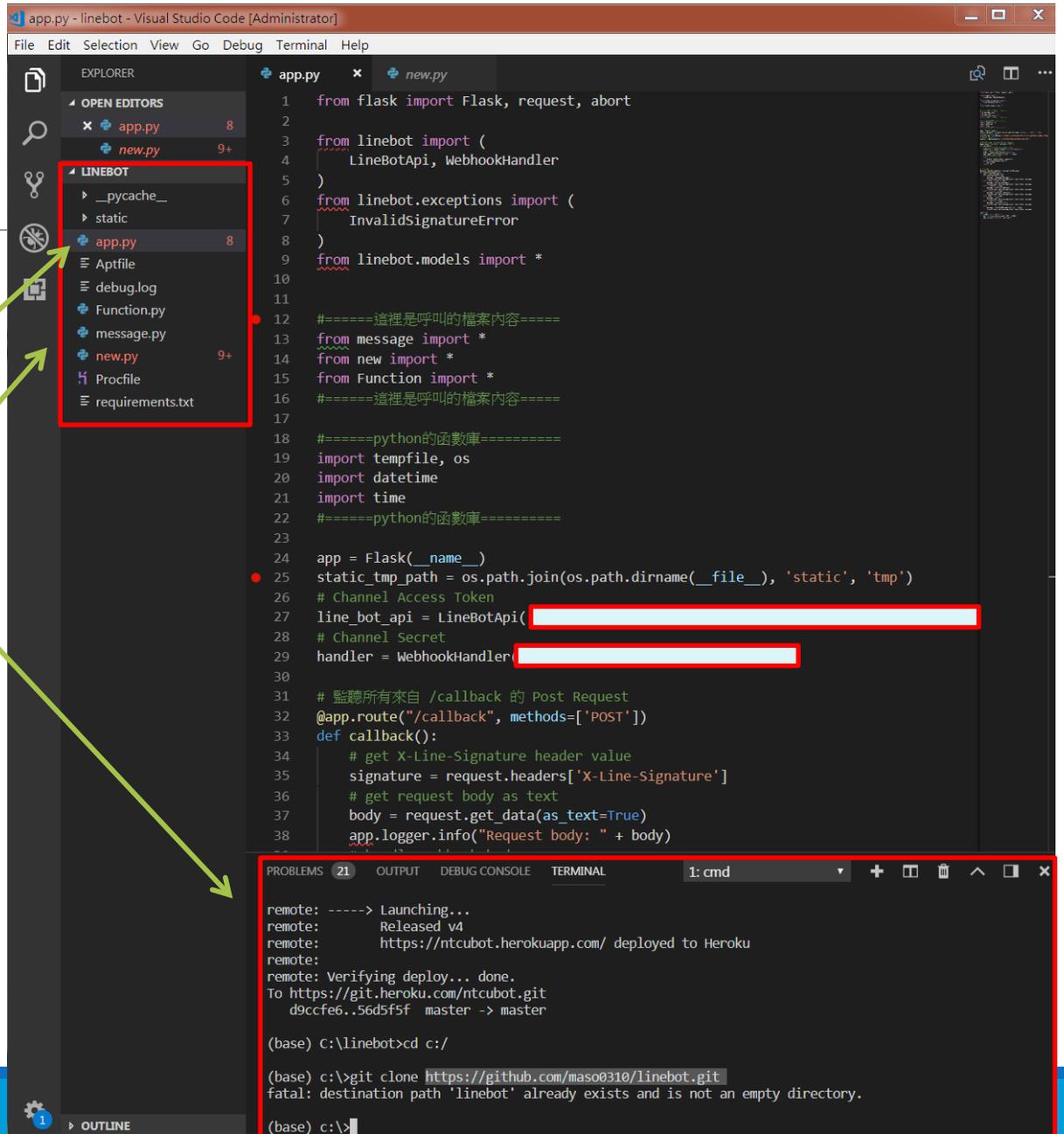
步驟2-1 打開vsCode

開啟Terminal
輸入以下指令：

cd c:/
git clone <https://github.com/maso0310/linebot.git>
(下載Linebot程式碼)

然後選File->open folder 選取 c:\linebot

打開app.py (主要程式)

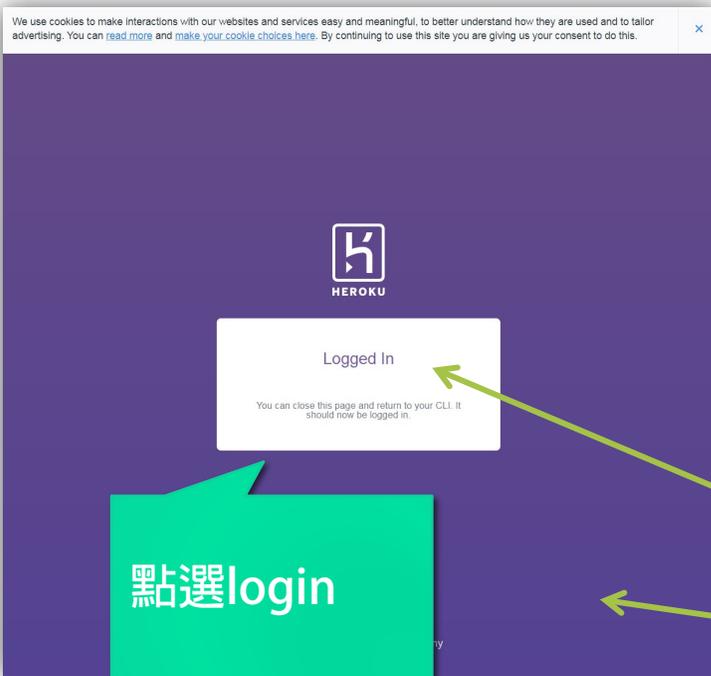


步驟2-2 把LINE裡面的 secret & access token 寫入python程式 然後儲存程式

```
app.py x new.py
1 from flask import Flask, request, abort
2
3 from linebot import (
4     LineBotApi, WebhookHandler
5 )
6 from linebot.exceptions import (
7     InvalidSignatureError
8 )
9 from linebot.models import *
10
11
12 #=====這裡是呼叫的檔案內容=====
13 from message import *
14 from new import *
15 from Function import *
16 #=====這裡是呼叫的檔案內容=====
17
18 #=====python的函數庫=====
19 import tempfile, os
20 import datetime
21 import time
22 #=====python的函數庫=====
23
24 app = Flask(__name__)
25 static_tmp_path = os.path.join(os.path.dirname(__file__), 'static', 'tmp')
26 # Channel Access Token
27 line_bot_api = LineBotApi('')
28 # Channel Secret
29 handler = WebhookHandler('')
30
31 # 監聽所有來自 /callback 的 Post Request
32 @app.route("/callback", methods=['POST'])
33 def callback():
34     # get X-Line-Signature header value
35     signature = request.headers['X-Line-Signature']
36     # get request body as text
37     body = request.get_data(as_text=True)
38     app.logger.info("Request body: " + body)
```

更改這兩個地方

步驟2-3 vsCode

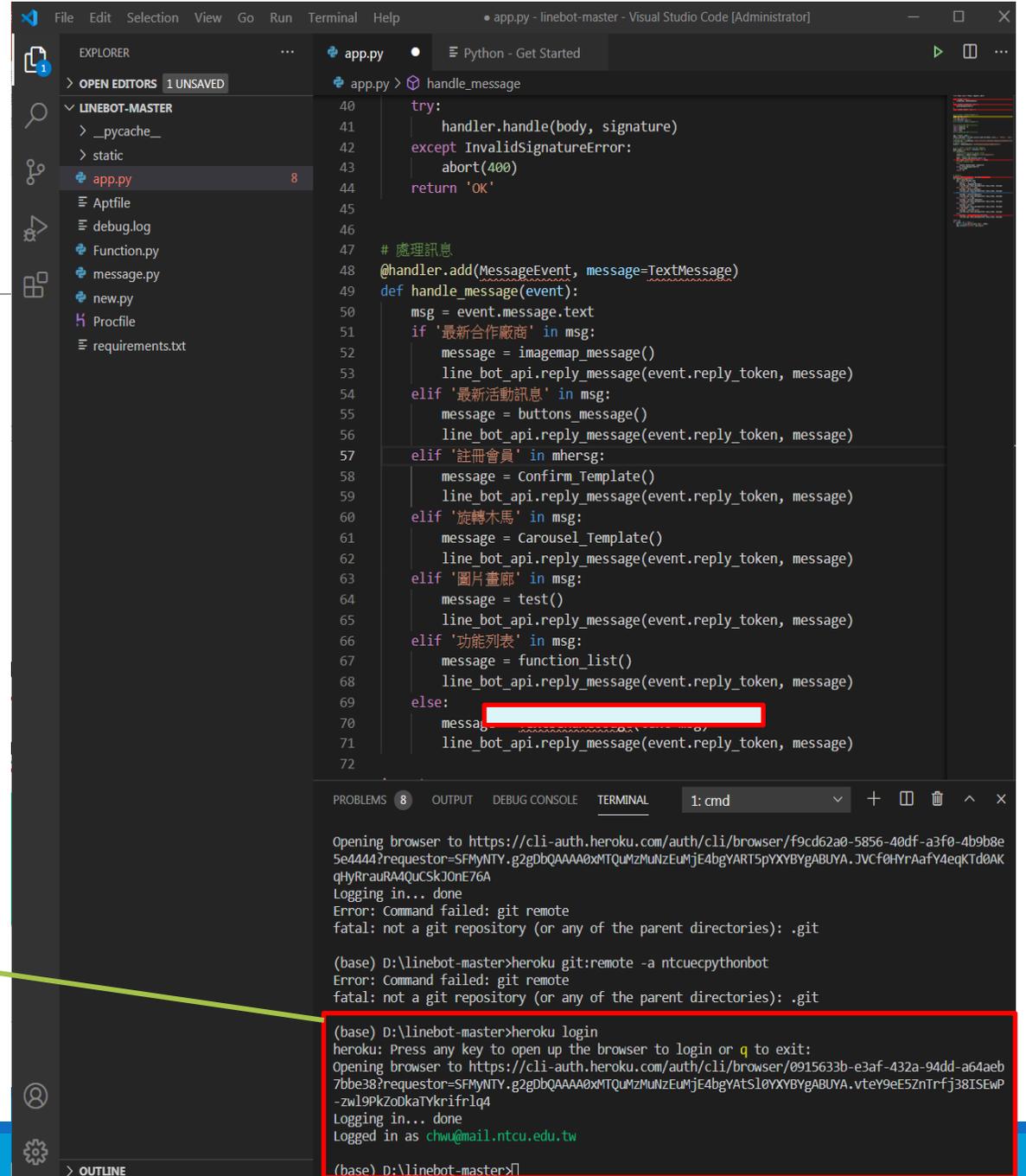


開啟Terminal
輸入以下指令：

上傳app到heroku

heroku login

要登入
heroku



步驟2-4 vsCode

開啟Terminal
輸入以下指令：

上傳app到heroku

```
heroku git:remote -a ntcuecpythonbot  
git init  
git add .  
git commit -am'ok'  
git push heroku master
```

你的APP名稱

The screenshot shows the Visual Studio Code interface with a Python file named `app.py` open. The code includes imports for `Flask`, `LineBotApi`, and `WebhookHandler`. It defines a `callback` function that handles incoming messages. The terminal window at the bottom shows the output of the `git push heroku master` command, indicating a successful deployment to Heroku. A green arrow points from the terminal output to the `git push heroku master` command in the text block above.

```
1 from flask import Flask, request, abort  
2  
3 from linebot import (  
4     LineBotApi, WebhookHandler  
5 )  
6 from linebot.exceptions import (  
7     InvalidSignatureError  
8 )  
9 from linebot.models import *  
10  
11  
12 #=====這裡是呼叫的檔案內容=====  
13 from message import *  
14 from new import *  
15 from Function import *  
16 #=====這裡是呼叫的檔案內容=====  
17  
18 #=====python的函數庫=====  
19 import tempfile, os  
20 import datetime  
21 import time  
22 #=====python的函數庫=====  
23  
24 app = Flask(__name__)  
25 static_tmp_path = os.path.join(os.path.dirname(__file__), 'static', 'tmp')  
26 # Channel Access Token  
27 line_bot_api = LineBotApi( [REDACTED] )  
28 # Channel Secret  
29 handler = WebhookHandler( [REDACTED] )  
30  
31 # 監聽所有來自 /callback 的 Post Request  
32 @app.route("/callback", methods=['POST'])  
33 def callback():  
34     # get X-Line-Signature header value  
35     signature = request.headers['X-Line-Signature']  
36     # get request body as text  
37     body = request.get_data(as_text=True)  
38     app.logger.info("Request body: " + body)
```

```
remote: -----> Launching...  
remote:      Released v4  
remote:      https://ntcubot.herokuapp.com/ deployed to Heroku  
remote:  
remote: Verifying deploy... done.  
To https://git.heroku.com/ntcubot.git  
    d9ccfe6..56d5f5f master -> master  
  
(base) C:\linebot>cd c:/  
  
(base) c:\>git clone https://github.com/maso0310/linebot.git  
fatal: destination path 'linebot' already exists and is not an empty directory.  
  
(base) c:\>
```

出現這樣表示部屬成功

```
PROBLEMS 8 OUTPUT DEBUG CONSOLE TERMINAL 1: cmd + [ ] [ ] ^ X
remote:      Successfully built future
remote:      Installing collected packages: future, urllib3, idna, certifi, chardet, request
s, line-bot-sdk, Werkzeug, itsdangerous, click, MarkupSafe, Jinja2, flask
remote:      Successfully installed Jinja2-2.11.2 MarkupSafe-1.1.1 Werkzeug-1.0.1 certifi-20
20.12.5 chardet-3.0.4 click-7.1.2 flask-1.1.2 future-0.18.2 idna-2.10 itsdangerous-1.1.0 line-
bot-sdk-1.18.0 requests-2.25.0 urllib3-1.26.2
remote: -----> Discovering process types
remote:      Procfile declares types -> web
remote:
remote: -----> Compressing...
remote:      Done: 47M
remote: -----> Launching...
remote:      Released v3
remote:      https://ntcuecpythonbot.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/ntcuecpythonbot.git
* [new branch]      master -> master

(base) D:\linebot-master>
```

如果出現這個錯誤，需先設定使用者EMAIL&名稱

Run

```
git config --global user.email "you@example.com"  
git config --global user.name "Your Name"
```

設定指令如下：

```
PS C:\AI\chatbot> git config --global user.email "chwu@mail.ntcu.edu.tw"  
PS C:\AI\chatbot> git config --global user.name "chwu"
```

如果有錯誤的話修正

如果輸入 `heroku git:remote -a 你的app` 出現錯誤
執行 `git init` 後在重新輸入執行即可。如下

```
(base) D:\linebot-master>heroku git:remote -a ntcubot  
Error: Command failed: git remote  
fatal: not a git repository (or any of the parent directories): .git
```

```
(base) D:\linebot-master>git init  
Initialized empty Git repository in D:/linebot-master/.git/
```

```
(base) D:\linebot-master>heroku git:remote -a ntcuecpythonbot  
set git remote heroku to https://git.heroku.com/ntcuecpythonbot.git
```

```
(base) D:\linebot-master>
```

出現這個表示成功
指定一個空間了

步驟3-1 進入Heroku 檢查是否已經部署成功

The screenshot shows the Heroku dashboard for the application 'ntcuepythonbot'. The user is logged in as 'Personal'. The navigation menu includes Overview, Resources, Deploy, Metrics, Activity, Access, and Settings. The 'Overview' tab is selected. The 'Installed add-ons' section shows no add-ons for this app. The 'Dyno formation' section shows no process types yet. The 'Collaborator activity' section shows one collaborator. The 'Latest activity' section shows a deployment success message: 'chwu@mail.ntcu.edu.tw: Deployed 1899181a Today at 9:51 PM · v3'. A green callout bubble with the text '部署成功' (Deployment successful) points to this message. Below it, there is a 'Build succeeded' message: 'chwu@mail.ntcu.edu.tw: Build succeeded Today at 9:50 PM · View build log'. Other activity items include 'Enable Logplex' and 'Initial release'.

Personal > ntcuepythonbot

Open app More

Overview Resources Deploy Metrics Activity Access Settings

Installed add-ons \$0.00/month Configure Add-ons

There are no add-ons for this app
You can add add-ons to this app and they will show here. [Learn more](#)

Dyno formation \$0.00/month Configure Dynos

This app has no process types yet
Add a Procfile to your app in order to define its process types. [Learn more](#)

Collaborator activity Manage Access

Latest activity All Activity

chwu@mail.ntcu.edu.tw: Deployed 1899181a
Today at 9:51 PM · v3

chwu@mail.ntcu.edu.tw: Build succeeded
Today at 9:50 PM · [View build log](#)

chwu@mail.ntcu.edu.tw: Enable Logplex
Today at 9:19 PM · v2

chwu@mail.ntcu.edu.tw: Initial release
Today at 9:19 PM · v1

部署成功

步驟3-2: 找到webhook的網址

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > ntcubot

Overview Resources Deploy Metrics Activity Access **Settings** Open app More

App Information

App Name: ntcubot

Region: United States

Stack: heroku-18

Framework: Python

Slug size: 47.0 MiB of 500 MiB

Heroku git URL: <https://git.heroku.com/ntcubot.git>

Config Vars

Reveal Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

按Settings

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

requests to ensure information is transmitted securely.

[Automated Certificate Management \(ACM\)](#) is available for applications running on paid dynos to automate your SSL security.

Certificates acquired elsewhere may be configured using the [Manual Certificate](#) option.

webhook的網址

Domains

Your app can be found at <https://ntcubot.herokuapp.com/> Add domain

Filter domains

Custom domains will appear here

Custom domains allow you to access your app via one or more non-Heroku domain names (for example, [www.yourcustomdomain.com](#))

步驟4-1：把heroku webhook網址輸入LINE

LINE Developers

Products Documents API reference News FAQ Community Blog

Console home

Providers

Search...

Admin

Azure

NTCUDCT

NTCUDCT1126

Prof. Wu

Professor Wu

ptest

星巴克聊天機器人

高典

TOP > ptest > MyLinebot_test > Messaging API

Scan this QR code with LINE to add your LINE Official Account as a friend. You can share the code with others.

Available APIs

- REPLY_MESSAGE
- PUSH_MESSAGE

Webhook settings

Webhook URL

Verify Edit

Use webhook

記得網址後面加入callback

需啟用webhook

Webhook settings

Webhook URL ?

`https://ntcuecpythonbot.herokuapp.com/callback`

Verify

Edit

Use webhook ?



網址後面要加上
callback

按一下Verify
確認是否成功

LINE Official Account features

Edit the message text and other settings for your Official Account Manager

Allow bot to join group chats ?

Disabled

Edit 

Auto-reply messages ?

Enabled

Edit 

Greeting messages ?

Enabled

Edit 

要改為enable

Account settings

Basic settings

Account name python_bot 

Status message 

Profile photo

Cover photo

[Preview profile](#)

Display settings

Verification status Unverified account

Verified accounts appear in search results and other locations in the LINE app, giving them higher visibility.

Location settings None

Your location info will be shown in reward card and account search results.

Chat settings

Group and multi-person chats Prevent account from joining groups and multi-person chats

Allow account to join groups and multi-person chats

LINE Official Account features

Edit the message text and other settings for your LINE Official Account Manager

Allow bot to join group chats [?]

Disabled

Edit [↗]

Auto-reply messages [?] Enabled

Edit [↗]

Greeting messages [?] Enabled

Edit [↗]

要改為enable

Response settings

Main settings

Response mode Bot
You can use webhooks and auto-response messages in bot mode.

Chat
You can use chats, auto-response messages, and the smart chat service in chat mode.

Greeting message Enabled
 Disabled

[Greeting message settings](#)

Detailed settings

Auto-response Enabled
 Disabled

[Auto-response message settings](#)

Webhooks Enabled
 Disabled

[Messaging API settings](#)

完成了LINE BOT 可以掃描以下 QR CODE加入LINEBOT

LINE Developers Products Documents API reference News FAQ Community Blog

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高典

Tools

TOP > ptest > MyLinebot_test > Messaging API

MyLinebot_test
Admin Messaging API

Basic settings Messaging API LIFF Security Statistics Roles

Messaging API settings

Bot information

Bot basic ID @521vwltz

QR code



可以修改app.py,製作你想要的回應

```
48 # 處理訊息
49 @handler.add(MessageEvent, message=TextMessage)
50 def handle_message(event):
51     msg = event.message.text
52     if '最新合作廠商' in msg:
53         message = imagemap_message()
54         line_bot_api.reply_message(event.reply_token, message)
55     elif '最新活動訊息' in msg:
56         message = buttons_message()
57         line_bot_api.reply_message(event.reply_token, message)
58     elif '註冊會員' in msg:
59         message = Confirm_Template()
60         line_bot_api.reply_message(event.reply_token, message)
61     elif '旋轉木馬' in msg:
62         message = Carousel_Template()
63         line_bot_api.reply_message(event.reply_token, message)
64     elif '圖片畫廊' in msg:
65         message = test()
66         line_bot_api.reply_message(event.reply_token, message)
67     elif '功能列表' in msg:
68         message = function_list()
69         line_bot_api.reply_message(event.reply_token, message)
70     else:
71         message = TextSendMessage(text=msg)
72         line_bot_api.reply_message(event.reply_token, message)
```

可以試試看不同的內建模組修改

文字回應區
目前是設定回覆一模一樣的文字





思考一下

參考以下文章的遊戲化案例。

<https://blog.chatisfy.com/how-to-gamify-your-chatbot/>

遊戲化有哪四個要素？

如何以遊戲化思維設計LINE互動行銷？

將你的構想發佈在FB社團中。

資料來源

1. [10分鐘用Python做LineBot聊天機器人 | 程式設計【Maso的萬事屋】](#)
2. [LineBot聊天機器人文字訊息、圖片訊息與位置訊息設定 | 程式設計【Maso的萬事屋】](#)
3. [用Python做LineBot聊天機器人：模塊訊息、組圖訊息、旋轉木馬訊息設定 | 程式設計【Maso的萬事屋】](#)

Congratulations.

You can design your interactive LINE bot now !
