

# LINE CHATBOT

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服務單位：群水守股份有限公司

1

March 18, 2022



## 今天上課會使用到的工具



### Messaging API

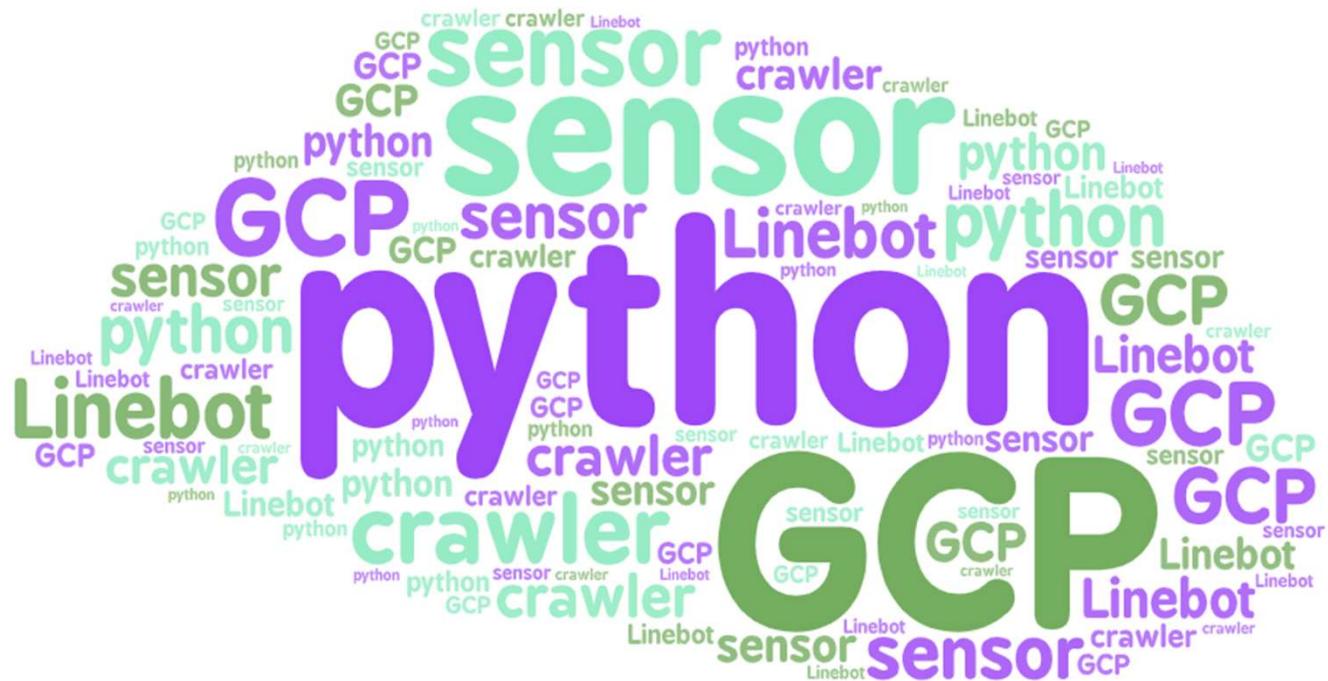
Use Messaging API and connect to users around the world!



Google  
App Engine



# GOOGLE大神很好用！



# 課程重點：

Part 1: WEB CRAWLER

Part 2: LINE DEVELOPERS

Part 3: GOOGLE APP ENGINE

Part 4: Rich menu of LINE Chatbot

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# PART1: WEB CRAWLER





<https://ci.taiwan.gov.tw/dsp/>



		地震儀	地圖式瀏覽	95站	有感地震事件發生後 資料目錄 不定期	回首頁 網站導覽 關於平台 2013年3月	EN	訂閱我們 API網址	下載
防救災	消防署	災情通報		41項	應變中心開設後	2015年	NA	API網址	下載
		河川水位站		267站	10分鐘	2012年1月	API網址	API網址	下載
		雨量感測器		9站	10分鐘	2019年~迄今	API網址	API網址	下載
		非連續性淹水感測器		78站	10分鐘	2018年~迄今	API網址	API網址	下載
	水利署	淹水感測器		336站	10分鐘	2018年~迄今	API網址	API網址	下載
		堤防結構安全測站		31站	10分鐘	2018年~迄今	API網址	API網址	下載
		閘門		37站	10分鐘	2019年~迄今	API網址	API網址	下載
		水利防災用影像		284站	即時	NA	API網址	NA	API網址
		雨量感測器		90站	10分鐘	2012年1月	API網址	API網址	下載

8

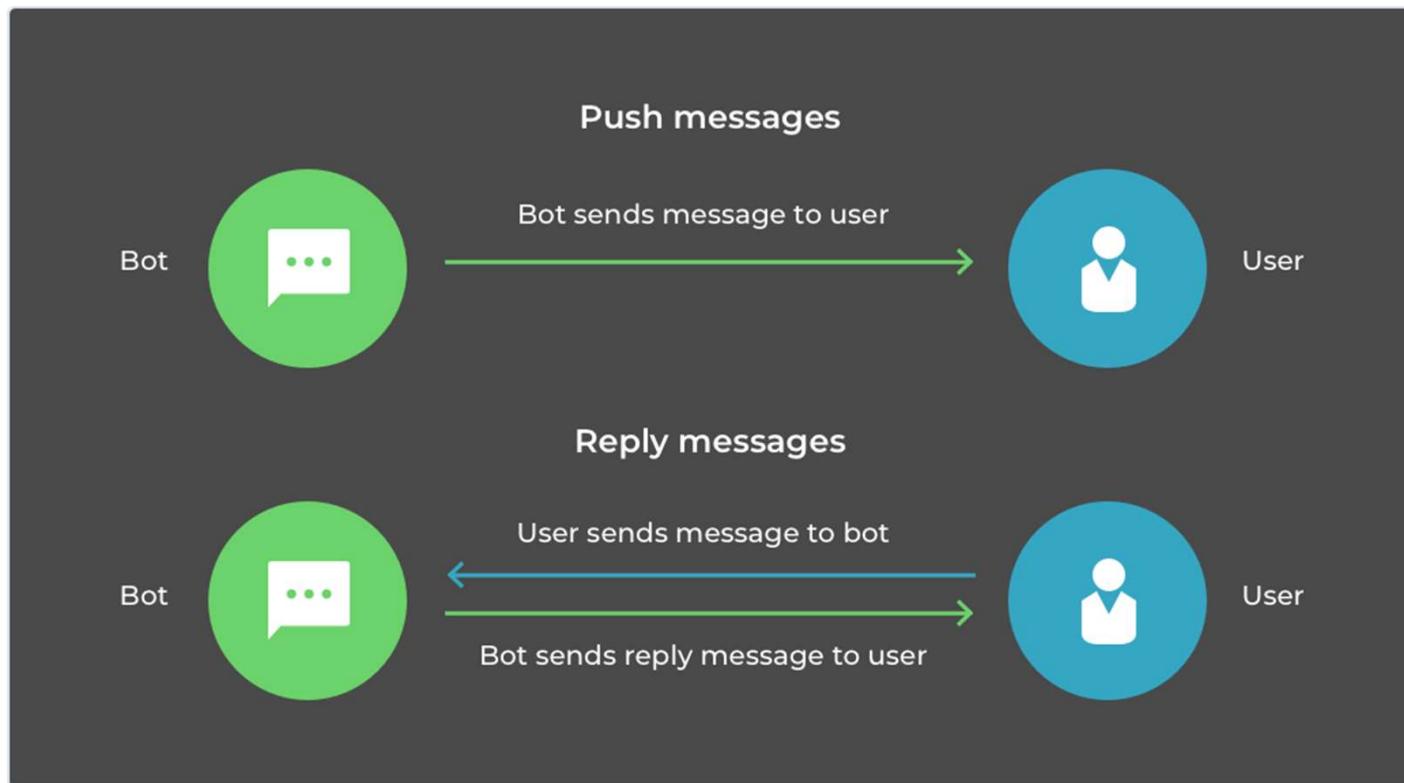
# PART2: LINE DEVELOPERS



# LINE Developers

## What is the Messaging API?

The Messaging API lets you develop two-way communication between your service and LINE users.



<https://developers.line.biz/en/services/messaging-api/>

## ■Line開發者帳號申請與設定



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

<https://developers.line.biz/en/?status=success>





Console home

**Providers**

Search...

Admin

DayuRobot

DeepWind

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**Providers (3)** Create

Provider Role

DayuRobot Admin

DeepWind Admin

Provider	Role
DayuRobot	Admin
DeepWind	Admin

Search...

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Create a new provider

Provider name ? Capstone

✓ Don't leave this empty

✓ Don't use special characters (4-byte Unicode)

- Enter no more than 100 characters

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**Capstone\_login**  
 LINE Login  
Published •

**Capstone\_bot**  
 Messaging API

**LINE Developers** News Products Documentation FAQ Glossary Community Blog

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**Create a channel**

Choose a channel type to continue

 LINE Login Messaging API CLOVA Skill Blockchain Service LINE MINI App

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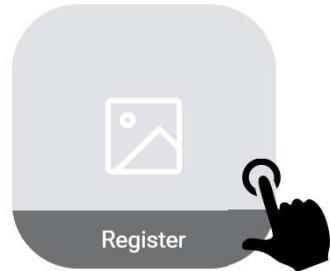
Tools

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TOP

**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

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**Channel icon**

optional



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

**Channel name**

Capstone\_bot

Note: The channel name can't be changed for seven days

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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](#) 

 Select the checkbox after reading the related document

Create

## 同意我們使用您的資訊

### ■ 我們將會蒐集與使用的資訊

- 用戶傳送及接收的傳輸內容（包括訊息、網址資訊、影像、影片、貼圖及效果等）。
- 用戶傳送及接收所有內容的發送或撥話格式、次數、時間長度及接收發送對象等（下稱「格式等資訊」），以及透過網際協議通話技術（VoIP；網路電話及視訊通話）及其他功能所處理的內容格式等資訊。
- 企業帳號使用的 IP 位址、使用各項功能的時間、已接收內容是否已讀、網址的點選等（包括但不限於連結來源資訊）、服務使用紀錄（例如於 LINE 應用程式使用網路瀏覽器及使用時間的紀錄）及隱私權政策所述的其他資訊。

### ■ 我們蒐集與使用資訊並提供給第三方的目的

上述資訊將被用於 (i) 避免未經授權之使用；(ii) 提供、開發及改善本公司服務；以及 (iii) 傳送廣告。

此外，我們可能會將這些資訊分享給 LINE 關係企業或本公司的服務提供者及分包商。

如果授予此處同意的人不是企業帳號所有人所授權之人，請事先取得該被授權人的同意。如果 LINE 接獲被授權人通知表示其未曾授予同意，LINE 得中止該企業帳號的使用，且不為因此而生的任何情事負責。

同意

Family sites

English



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TOP > Capstone > Capstone\_bot > Basic settings

App types Bot

Permissions ⓘ PROFILE

Channel secret ⓘ [REDACTED]

Issue

Assertion Signing  
Key ⓘ



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TOP > Capstone > Capstone\_bot > Messaging API

Greeting messages Enabled

Edit



## Channel access token

Channel access token (long-lived)



Issue

Search...

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Capstone

Tools

## Channel access token

Channel access token (long-lived)

V-MQUTLIA-4-A-ZEOGL-M-LQJUW-YUH-SjQ-YOESLA-L-GB7BZ-L-BWIEI-J-1-a  
[REDACTED]  
[REDACTED]

Reissue

## □Python本地架設與 Django 環境開發



## ■ 安裝Django與相關套件



- 進入 cmd (Anaconda Prompt / Anaconda Powershell Prompt)
- pip install django == 2.27
- pip install line-bot-sdk

## ■ 接著架設django環境創建一個資料夾，作為主目錄，並使用django語法創建專案

- cd c:/
- mkdir linebot #創建linebot資料夾
- cd linebot
- django-admin startproject mylinebot #創建mylinebot專案
- cd mylinebot
- python manage.py runserver localhost:8080 #運行Django

## ■ 接著創建django 中的 app，專門運行 linebot

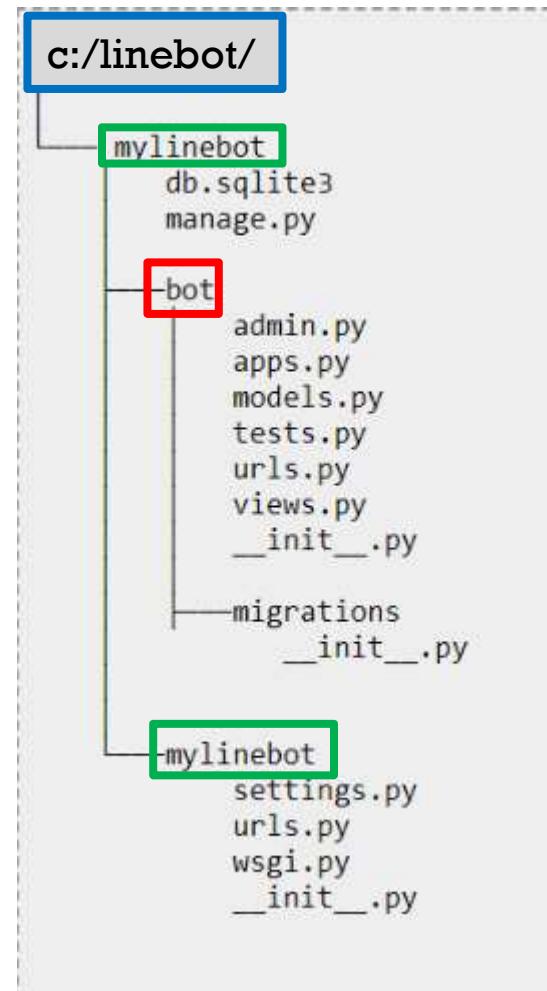
- python manage.py startapp bot



# Python本地架設與 Django 環境開發

```
mkdir linebot  
cd linebot  
django-admin startproject mylinebot #創建mylinebot專案  
cd mylinebot  
python manage.py runserver 0.0.0.0:8080 #運行django
```

```
python manage.py startapp bot
```



## □ Ngrok設定與佈署



## Download ngrok

The fastest way to put anything on the internet.

Mac OS    Windows    Linux    Docker    Other

Install ngrok via Chocolatey

```
$ choco install ngrok
```

or

Download ZIP file

Windows (64-bit) ▼ Download

Ask a question

<https://ngrok.com/download>



## Anaconda Powershell Prompt

鍵入: cd C:\linebot\mylinebot

鍵入: python manage.py runserver localhost:8080

```
■ Anaconda Prompt (Anaconda3) - python manage.py runserver 0.0.0.0:8080
Django version 2.2.7, using settings 'mylinebot.settings'
Starting development server at http://0.0.0.0:8080/
Quit the server with CTRL-BREAK.
Invalid HTTP_HOST header: '192.168.0.103:8080'. You may need to add '192.168.0.103' to ALLOWED_HOSTS.
Bad Request: /
[04/May/2020 17:07:22] "GET / HTTP/1.1" 400 63178
Invalid HTTP_HOST header: '192.168.0.103:8080'. You may need to add '192.168.0.103' to ALLOWED_HOSTS.
Bad Request: /v1/status
[04/May/2020 17:07:24] "GET /v1/status HTTP/1.1" 400 63277
Invalid HTTP_HOST header: '192.168.0.103'. You may need to add '192.168.0.103' to ALLOWED_HOSTS.
Bad Request: /HNAP1/
[04/May/2020 17:07:24] "GET /HNAP1/ HTTP/1.1" 400 63323

(base) c:\linebot\mylinebot>python manage.py runserver 0.0.0.0:8080
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 17 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
May 04, 2020 - 17:09:08
Django version 2.2.7, using settings 'mylinebot.settings'
Starting development server at http://0.0.0.0:8080/
Quit the server with CTRL-BREAK.
```



## ngrok.exe

鍵入: ngrok http 8080

```
■ C:\Users\hmkao\Desktop\Capstone_course\ngrok.exe - ngrok http 8080
ngrok by @inconshreveable
(Ctrl+C to quit)

Session Status
Session Expires          online
Version                  2.3.35
Region                   United States (us)
Web Interface            http://127.0.0.1:4040
Forwarding               http://fe0dfd2f.ngrok.io -> http://localhost:8080
Forwarding               https://fe0dfd2f.ngrok.io -> http://localhost:8080
```

Connections	ttl	opn	rt1	rt5	p50	p90
	0	0	0.00	0.00	0.00	0.00



## linebot\mylinebot\mylinebot\settings.py

Spyder (Python 3.7)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:\linebot\mylinebot\mylinebot\settings.py

temp.py urls.py settings.py

```
1 """
2 Django settings for mylinebot project.
3
4 Generated by 'django-admin startproject' using Django 2.2.7.
5
6 For more information on this file, see
7 https://docs.djangoproject.com/en/2.2/topics/settings/
8
9 For the full list of settings and their values, see
10 https://docs.djangoproject.com/en/2.2/ref/settings/
11 """
12
13 import os
14
15 # Build paths inside the project like this: os.path.join(BASE_DIR, ...)
16 BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
17
18
19 # Quick-start development settings - unsuitable for production
20 # See https://docs.djangoproject.com/en/2.2/howto/deployment/checklist/
21
22 # SECURITY WARNING: keep the secret key used in production secret!
23 SECRET_KEY = 'gm+mugzn=v$(zb@@z6dus)+e&-7cys_-d#uzl%4uy2*spw1@1u'
24
25 # SECURITY WARNING: don't run with debug turned on in production!
26 DEBUG = True
27
28 ALLOWED_HOSTS = ['2b3eff8c.ngrok.io', 'localhost', '*']
29
30
31 # Application definition
```

Mail

Permissions: RW End-of-lines: CRLF Encoding: ASCII

Line: 28 Column: 56 Memory: 51%

Help  
Source Console Object

### Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Variable ... File e... H...

IPython console

Console I/A

In [1]:

IPython 5.5.0 -- An enhanced Interactive Python.  
? -> Introduction and overview of IPython's features.  
%quickref -> Quick reference.  
help -> Python's own help system.  
object? -> Details about 'object', use 'object??' for extra details.





## linebot\mylinebot\mylinebot"urls.py

Spyder (Python 3.7)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:\linebot\mylinebot\mylinebot"urls.py

temp.py views.py urls.py settings.py

```
1 """mylinebot URL Configuration
2
3 The `urlpatterns` list routes URLs to views. For more information please see:
4     https://docs.djangoproject.com/en/2.2/topics/http/urls/
5 Examples:
6 Function views
7     1. Add an import: from my_app import views
8         2. Add a URL to urlpatterns: path('', views.home, name='home')
9 Class-based views
10    1. Add an import: from other_app.views import Home
11        2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
13    1. Import the include() function: from django.urls import include, path
14        2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.contrib import admin
17 from django.urls import path
18 from django.conf.urls import include, url
19
20 urlpatterns = [
21     path('admin/', admin.site.urls),
22     url(r'^bot/', include('bot.urls')),
23 ]
24
```

Variable explorer

Name Type Size Value

Variable ... File e... H...

IPython console

Console 2/A

```
IPython 5.5.0 -- An
enhanced Interactive
Python.
?      ->
Introduction and
overview of IPython's
features.
%quickref -> Quick
reference.
help      -> Python's
own help system.
object?   -> Details
about 'object', use
'object??' for extra
details.
```

In [1]:

Permissions: RW End-of-lines: CR LF Encoding: ASCII Line: 22 Column: 40 Memory: 51 %



## linebot\mylinebot\mylinebot\bot"urls.py

Spyder (Python 3.7)

File Edit Search Source Run Debug Consoles Projects Tools View Help

Editor - C:\linebot\mylinebot\bot"urls.py

temp.py urls.py

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Mon May  4 16:16:08 2020
4
5 @author: hmka
6 """
7
8 from django.conf.urls import include, url
9 from . import views
10 urlpatterns = [
11     url('^callback/', views.callback),
12 ]
13
```

新增

You can get help on any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.  
Help can also be shown automatically after writing a left parenthesis next

Variable explorer File explorer Help

IPython console

```
Python 3.7.3 (default, Apr 24
2019, 15:29:51) [MSC v.1915 64
bit (AMD64)]
Type "copyright", "credits" or
"license" for more
information.

IPython 5.5.0 -- An enhanced
Interactive Python.
?          -> Introduction and
overview of IPython's
features.
%quickref -> Quick reference.
help      -> Python's own help
system.
```

## Page not found (404)

Request Method: GET  
Request URL: http://2b3eff8c.ngrok.io/

Using the URLconf defined in mylinebot.urls, Django tried these URL patterns, in this order:

1. admin/
2. ^bot/

The empty path didn't match any of these.

You're seeing this error because you have DEBUG = True in your Django settings file. Change that to False, and Django will display a standard 404 page.

## ValueError at /bot/callback/

The view bot.views.callback didn't return an HttpResponseRedirect object. It returned None instead.

Request Method: GET  
Request URL: http://2b3eff8c.ngrok.io/bot/callback/  
Django Version: 2.2.7  
Exception Type: ValueError  
Exception Value: The view bot.views.callback didn't return an HttpResponseRedirect object. It returned None instead.

Exception Location: C:\Users\hmkao\Anaconda3\lib\site-packages\django\core\handlers\base.py in \_get\_response, line 126

Python Executable: C:\Users\hmkao\Anaconda3\python.exe

Python Version: 3.7.3

Python Path: ['C:\\linebot\\mylinebot', 'C:\\Users\\hmkao\\Anaconda3\\python37.zip', 'C:\\Users\\hmkao\\Anaconda3\\DLLs', 'C:\\Users\\hmkao\\Anaconda3\\lib', 'C:\\Users\\hmkao\\Anaconda3', 'C:\\Users\\hmkao\\Anaconda3\\lib\\site-packages', 'C:\\Users\\hmkao\\Anaconda3\\lib\\site-packages\\win32', 'C:\\Users\\hmkao\\Anaconda3\\lib\\site-packages\\win32\\lib', 'C:\\Users\\hmkao\\Anaconda3\\lib\\site-packages\\Pythonwin']

Server time: Mon, 4 May 2020 13:26:16 +0000

## Traceback [Switch to copy-and-paste view](#)

C:\Users\hmkao\Anaconda3\lib\site-packages\django\core\handlers\exception.py in inner

```
34.         response = get_response(request)
```

...

► Local vars

Console home

Providers ▲

Search...

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DayuRobot

Tools

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TOP > Capstone > Capstone\_bot > Messaging API

PUSH\_MESSAGE

## Webhook settings

Webhook URL ⓘ

Edit



### LINE Official Account features

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

Providers ▲

Search...

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Capstone

DayuRobot

## Webhook settings

Webhook URL ⓘ

https://fe0dfd2f.ngrok.io/bot/callback/



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

Update Cancel





Console home

**Providers**

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TOP > Capstone > Capstone\_bot > Messaging API

## Webhook settings

Webhook URL ⓘ <https://fe0dfd2f.ngrok.io/bot/callback/>

Verify Edit

Use webhook ⓘ



Console home

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TOP > Capstone > Capstone\_bot > Messaging API

## Webhook settings

Webhook

### Error

The webhook returned an HTTP status code other than 200

OK





# Capstone\_bot 展示



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# PART3: APP ENGINE





# 申請 Google Cloud Platform 帳號

Needs “gmail” account

A screenshot of a search results page from a search engine. The search bar at the top contains the query "GCP 申請流程". A large black hand cursor is positioned over the first search result, which is titled "申請Google Cloud Platform 帳號". Below the title is a numbered list of 8 steps:

1. 開啟**GCP** 首頁
2. 同意**GCP** 服務條款
3. 啟用\$300 美元試用額度
4. 再同意**GCP** 服務條款
5. 填寫客戶資訊
6. 填寫付款方式
7. 建立你的**GCP** 專案
8. 為專案命名

下方显示了发布日期 "2018年11月19日"。在右侧，有一个预览窗口显示的是 "Google Cloud Platform 首頁版" 的登录界面。

www.tekapo.io › 自助開店 ▾

申請Google Cloud Platform 帳號 - TekapoCart

A screenshot of a TekapoCart page titled "申請Google Cloud Platform 帳號". The page has a header "申請Google Cloud Platform 帳號 - TekapoCart" and a footer with links "關於精選摘要" and "意見回饋". A large black hand cursor is positioned over the page content.

<https://www.tekapo.io/page/8-apply-google-cloud-platform-account>



# 下載 Cloud SDK，以及安裝在本機

Cloud SDK 是一組指令列工具，用於在 Google Cloud 中進行開發作業。



約有 98,500,000 項結果 (搜尋時間 : 0.31 秒)

## Cloud SDK - Google Cloud

<https://cloud.google.com> › Developer Tools › Cloud SDK ▾

Cloud SDK 是一組用於在 Google Cloud 中進行開發的工具，包含 gcloud、gsutil 和 bq 指令列工具、用戶端程式庫以及本機模擬器。

[Installing Google Cloud SDK](#)

[Cloud SDK 說明文件 | Google ...](#)

Cloud SDK

說明文件

產品總覽

gcloud CLI 總覽

快速入門導覽課程

所有快速入門導覽課程

適用於 Linux

適用於 Debian 和 Ubuntu

適用於 Red Hat 和 CentOS

適用於 macOS

適用於 Windows

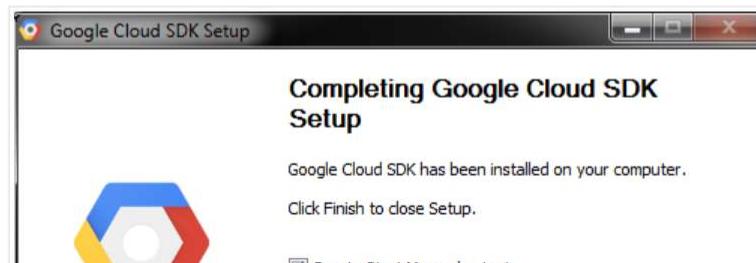
教學指南

所有教學指南

▶ 安裝 SDK

## Before you begin

1. Create a Google Cloud Platform project, if you don't have one already.
2. Download the Google Cloud SDK installer.
3. Launch the installer and follow the prompts.
4. After installation has completed, the installer presents several options:



目錄

[Before you begin](#)

[Initialize the SDK](#)

[Run core gcloud commands](#)

[What's next](#)



# 下載 Cloud SDK，以及安裝在本機

Google Cloud Platform capstoneCourse 搜尋產品和資源

App Engine 瞭解詳情

歡迎使用 App Engine  
在 Google 提供的基礎架構上使用任何語言建置可擴充的應用程式

已建立您的 App Engine 應用程式  
系統會根據您使用的程式語言引導您參閱相關資源，藉此協助您部署應用程式。

開始使用

向全世界問好！  
如果您未曾使用過 App Engine，建議您從建立簡單的「Hello World」應用程式開始學習基礎知識。  
時間：10 分鐘  
開始教學課程

Deploy via command line  
有了 Google Cloud SDK，您就能使用 CLI 輕鬆地建立和部署應用程式：

\$ gcloud app deploy

下載 SDK

Google Cloud Platform capstoneCourse 搜尋產品和資源

App Engine 開始使用 瞭解詳情

此為選用步驟，目的是引導您參閱相關的 SDK 和程式碼範例。如有需要，也會帶您瀏覽啟用計費功能的相關說明文件。

Language

Python

Environment

您應用程式的每個版本都可以採用「標準」或「彈性」執行階段。稍後您可以更改這項設定。

標準

繼續 取消

Google Cloud Platform capstoneCourse 搜尋產品和資源

App Engine 後續步驟 瞭解詳情

## 資源

[Documentation](#) for Python in App Engine.

Visit [Github](#) for code samples in standard Python

## 利用 Google Cloud SDK 部署

[下載 Cloud SDK](#)

初始化 SDK

```
$ gcloud init
```

部署至 App Engine

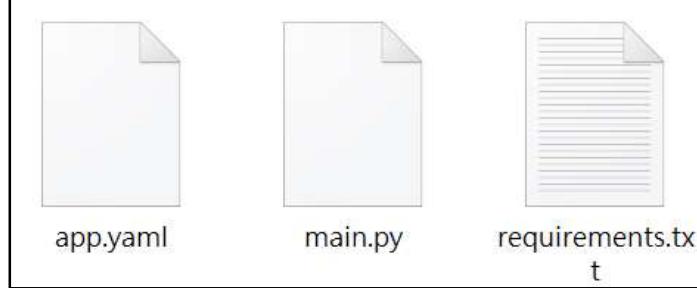
```
$ gcloud app deploy
```

稍後再部署



複製下列三個檔案至\linebot\mylinebot 中

參考檔案: Part3\_App Engine

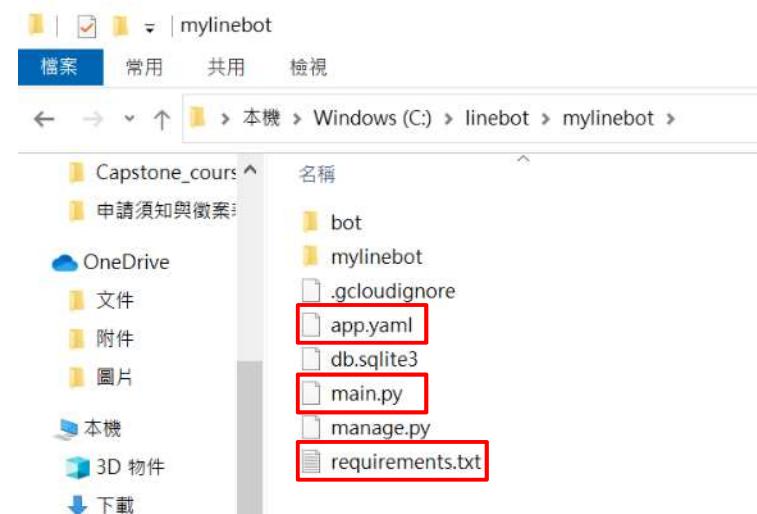


**app.yaml**  
configure your App

**main.py**  
Python WSGI HTTP Server for UNIX  
(使用 gunicorn 托管 Django)

**requirements.txt**  
python third-party packages you required

\linebot\mylinebot





# Google Cloud SDK Shell 指令操作 (I)

```
Google Cloud SDK Shell
Welcome to the Google Cloud SDK! Run "gcloud -h" to get the list of available commands.
---
C:\Users\hmkao\AppData\Local\Google\Cloud SDK>gcloud init
```

鍵入: gcloud init (初始化)

```
Google Cloud SDK Shell - gcloud init
Welcome to the Google Cloud SDK! Run "gcloud -h" to get the list of available commands.
---
C:\Users\hmkao\AppData\Local\Google\Cloud SDK>gcloud init
Welcome! This command will take you through the configuration of gcloud.

Settings from your current configuration [default] are:
core:
  account: d95622005@g.ntu.edu.tw
  disable_usage_reporting: 'False'
  project: ecomsnet

Pick configuration to use:
[1] Re-initialize this configuration [default] with new settings
[2] Create a new configuration
[3] Switch to and re-initialize existing configuration: [test-1206]
Please enter your numeric choice:
```

```
Choose the account you would like to use to perform operations for
this configuration:
[1] d95622005@g.ntu.edu.tw
[2] dayusws@gmail.com
[3] hmkaol019@gmail.com
[4] Log in with a new account
Please enter your numeric choice:
```

選擇登入帳號 (gmail)



## Google Cloud SDK Shell 指令操作 (II)

```
You are logged in as: [d95622005@g.ntu.edu.tw].
```

```
Pick cloud project to use:
```

- [1] ctspsws-dayu
- [2] dayu-244805
- [3] deepwind-260806
- [4] ecomsnet
- [5] ntu-project-2019
- [6] rational-energy-247804
- [7] taipei-project-2020
- [8] taipeicityiot-267915
- [9] Create a new project

```
Please enter numeric choice or text value (must exactly match list item):
```

選擇欲佈署的”專案名稱”

```
Your current project has been set to: [ecomsnets].
```

```
Do you want to configure a default Compute Region and Zone? (Y/n)?
```

鍵入: n (建議)

```
Some things to try next:
```

- \* Run `gcloud --help` to see the Cloud Platform services you can interact with. And run `gcloud help COMMAND` to get help on any gcloud command.
- \* Run `gcloud topic --help` to learn about advanced features of the SDK like arg files and output formatting.

```
C:\Users\hmka0\AppData\Local\Google\Cloud SDK>cd c:/
```

鍵入: cd c:/ (轉換執行路徑)

```
C:\Users\hmka0\AppData\Local\Google\Cloud SDK>cd c:/  
c:\>cd C:\linebot\mylinebot
```

C:\Users\hmka0\AppData\Local\Google\Cloud SDK>cd c:/ c:\>cd C:\linebot\mylinebot		
← → ▲ ↑		
	本機 > Windows (C) > linebot > mylinebot	
	名稱	修改日期
	bot	2020/5/4 下午 04:23
	mylinebot	2020/5/5 上午 10:49
	.gcloudignore	2020/5/5 上午 10:39
	app.yaml	2019/4/22 下午 11:09
	db.sqlite3	2020/5/4 上午 11:10
	main.py	2020/5/5 上午 10:49
	manage.py	2020/5/4 上午 11:08
	requirements.txt	2020/5/5 上午 10:30



## Google Cloud SDK Shell 指令操作 (III)

```
C:\linebot\mylinebot>dir  
磁碟區 C 中的磁碟是 Windows  
磁碟區序號: 7C1B-7774  
C:\linebot\mylinebot 的目錄  
2020/05/05 上午 10:48 <DIR> .  
2020/05/05 上午 10:48 <DIR> ..  
2020/05/05 上午 10:39 589 .gcloudignore  
2019/04/22 下午 11:09 99 app.yaml  
2020/05/04 下午 04:23 <DIR> bot  
2020/05/04 上午 11:10 0 db.sqlite3  
2020/05/05 上午 10:49 59 main.py  
2020/05/04 上午 11:08 650 manage.py  
2020/05/05 上午 10:49 <DIR> mylinebot  
2020/05/05 上午 10:30 43 requirements.txt  
6 個檔案 1,440 位元組  
4 個目錄 403,558,113,280 位元組可用
```

鍵入: **dir** (查詢路徑下的目錄)

```
C:\linebot\mylinebot>gcloud app deploy  
Services to deploy:  
  
descriptor: [C:\linebot\mylinebot\app.yaml]  
source: [C:\linebot\mylinebot]  
target project: [ecomsnets]  
target service: [default]  
target version: [20200505t113706]  
target url: [https://ecomsnets.appspot.com]
```

鍵入: **gcloud app deploy**

(佈署程式碼至**app engine**)

```
#  
#= Uploading 0 files to Google Cloud Storage  
#=  
#File upload done.  
Updating service [default]...done.  
Setting traffic split for service [default]...done.  
Deployed service [default] to [https://ecomsnets.appspot.com]  
  
You can stream logs from the command line by running:  
$ gcloud app logs tail -s default  
  
To view your application in the web browser run:  
$ gcloud app browse  
  
C:\linebot\mylinebot>gcloud app browse
```

鍵入: **gcloud app browse**

(瀏覽佈署狀態)



# Google Cloud SDK Shell 指令操作 (IV)

A screenshot of a Windows desktop with a browser window open. The browser has three tabs: 'Emoji cheat sheet for GitHub', 'LINE Developers', and 'Services – App Engine – capstone'. The current tab is 'Page not found at /'. The URL in the address bar is 'capstonecourse.df.r.appspot.com'. The browser toolbar includes icons for back, forward, search, and other functions. Below the toolbar is a navigation bar with links like 'Journal web', 'Academic web', 'Google relation', 'Sport', 'CTSP Plan', 'Start up', and 'Others'. The main content area shows a yellow header with 'Page not found (404)'. Below it, the text 'Request Method: GET' and 'Request URL: https://capstonecourse.df.r.appspot.com/'. It then says 'Using the URLconf defined in mylinebot.urls, Django tried these URL patterns, in this order:' followed by a list: '1. admin/' and '2. ^bot/'. A note below states 'The empty path didn't match any of these.' At the bottom, it says 'You're seeing this error because you have DEBUG = True in your Django settings file. Change that to False, and Django will display a standard 404 page.' The taskbar at the bottom shows various pinned icons and the system clock indicating '下午 11:08 2021/4/7'.





# 查詢GCP，上傳至app engine的檔案

The screenshot shows the Google Cloud Platform dashboard for the project 'capstoneCourse'. A red dashed box highlights the top navigation bar, which includes the project name 'capstoneCourse', a search bar, and various navigation icons.

**Left Sidebar:** Shows the project details: 'capstoneCourse', '專案 ID: capstonecourse', and '專案編號: 894902779455'. It also has a button to '將使用者新增至這項專案' and a link to '前往專案設定'.

**Resource Navigation:** A red dashed box highlights the '資源' section, which lists 'App Engine' (1 個版本) and 'Storage' (3 個值區).

**Middle Content Area:**

- 摘要 (計數/秒):** A line chart showing response counts over time. The Y-axis ranges from 0 to 0.06/s. The X-axis shows times from 10:15 to 11:00. Three data series are plotted:
  - http/server/response\_count: 0.050/s (blue)
  - http/server/response\_count: 0 (red)
  - http/server/response\_count: 0.050/s (orange)
- 前往 App Engine 資訊主頁:** A link to view more details about the App Engine instance.
- API API:** A section showing API usage metrics.

**Right Sidebar:**

- 所有服務狀態皆正常:** Status summary.
- 前往 Cloud 狀態資訊主頁:** Link to Cloud Status page.
- 計費功能:** Billing information: 預估費用 TWD \$0.00, 帳單週期: 2021/4/1至2021/4/7.
- 計費方式導覽:** Billing method navigation.
- 查看詳細扣款記錄:** View detailed billing records.
- Monitoring:** Monitoring section with links to '建立我的資訊主頁' and '設定快訊政策'.

**Bottom Right:** A red circular badge with the number '43'.



# 設定LINE Developer 上的 Webhook URL

LINE Developers

Console home

Providers

Search...

Admin

Capstone

Tools

Support

TOP > Capstone > Capstone\_bot > Messaging API

Available APIs

- REPLY\_MESSAGE
- PUSH\_MESSAGE

Webhook settings

Webhook URL

Verify Edit

Use webhook

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Family sites English

Google Cloud SDK Shell





# Capstone\_bot 展示



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# PART4: RICH MENU OF LINE CHATBOT





# 設定Rich menu

LINE Developers

Products Documents API reference News FAQ Community Blog



Console home

Providers

Search...

Admin

Capstone

DayuRobot

Tools

Support

TOP > Capstone > Capstone\_bot

## Basic information

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



Channel ID 1654169555

Channel icon



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Family sites

English



# 設定Rich menu

LINE Official Account Manager Capstone\_bot @700zilgz (輕用量) 2 回應模式: 聊天機器人 HMKao Help

主頁 提醒 分析 貼文串 聊天 基本檔案 口袋商店 設定

群發訊息 漸進式訊息 NEW

自動回應訊息

訊息項目 推廣相關

聊天室相關

加入好友的歡迎訊息

圖文選單

資料管理

增加好友人數

收合選單

圖文選單

目前顯示的選單

此為顯示於聊天室供用戶點選的圖文選單。  
※若透過 Messaging API 設定圖文選單，用戶實際看到的選單可能與此有所差異

預約 / 公開 待設定

YYYY/MM/DD ~ YYYY/MM/DD 搜尋 清除

未顯示選單



# 設定Rich menu

- 推廣相關
- 聊天室相關
  - 加入好友的歡迎訊息
  - 圖文選單
  - 資料管理
- 增加好友人數
- 收合選單

此為顯示於聊天室供用戶點選的圖文選單。  
※若透過Messaging API設定圖文選單，用戶實際看到的選單可能與此有所差異

標題: Rich menu  
使用期間: 2021/01/01 00:00 - 2021/12/31 23:59  
動作:

- 文字 - 水深
- 文字 - 雨量圓
- 連結 - <https://www.cwb.gov.tw/V8/C/>



預約 / 公開 待設定

YYYY/MM/DD

~

YYYY/MM/DD

Q

清除

圖片	標題	動作	使用期間
	Rich menu	<ul style="list-style-type: none"><li>• 文字 - 水深</li><li>• 文字 - 雨量圓</li><li>• 連結 - <a href="https://www.cwb.gov.tw/V8/C/">https://www.cwb.gov.tw/V8/C/</a></li></ul>	2021/01/01 00:00 - 2021/12/31 23:59

[ < ] [ 1 ] [ > ]



# Capstone\_bot 展示



Capstone menu ▾

三

□

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**TIME FOR Q & A**

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