

A background network pattern consisting of light gray lines connecting various sized gray dots of different opacities, creating a web-like structure across the entire slide.

TMR

TMR

鸚鵡

時間：2018/08/18

功能串接

功能串接

Heroku建置

TMR

Medium部落格教學

Medium

Ed



行銷資料科學

Marketing data science. 台灣第一個行銷資料科學(MDS)知識部落，本粉絲專頁在探討行銷資料科學之基礎概念、趨勢、新工具和實作，讓粉絲們瞭解資料科學的行銷運用，並開啟厚植數據分析能力之契機。粉絲專頁：<https://www.facebook.com/MarketingDataScienceTMR>

Apr 20 · 3 min read

什麼? 祕書也快被取代? 打造你自己的專屬行動祕書 (附實現程式碼)

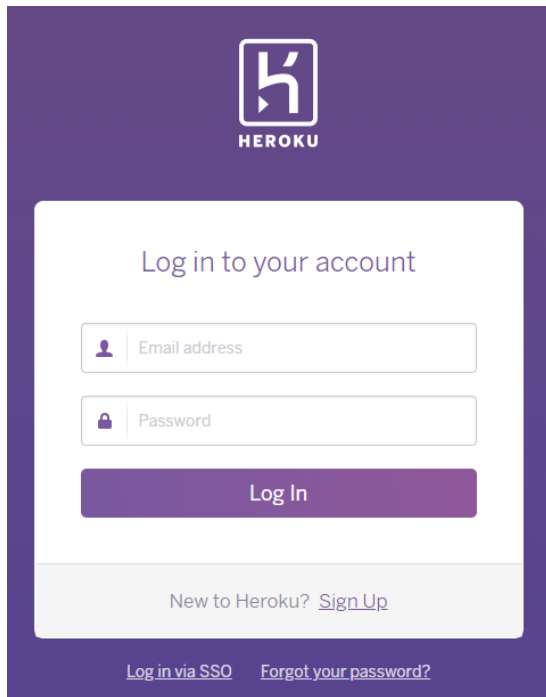
功能串接

Heroku建置

TMR

先到Heroku網站登入
請如果沒有帳號，先辦帳號

<https://id.heroku.com/login>

The image shows the Heroku login interface. At the top, there is the Heroku logo (a stylized 'H' in a square) and the word 'HEROKU' below it. The main heading is 'Log in to your account'. Below this, there are two input fields: 'Email address' with a person icon and 'Password' with a lock icon. A purple 'Log In' button is positioned below the password field. At the bottom of the form, there is a link 'New to Heroku? Sign Up'. At the very bottom of the page, there are two links: 'Log in via SSO' and 'Forgot your password?'.

功能串接

Heroku建置

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點選創建新的APP



功能串接

Heroku建置

TMR

創建自己的APP名稱（待會會一直用到，請謹記）

App name



mystockbot2018 is available

Choose a region

 United States 

 Add to pipeline...

Create app

功能串接

Heroku建置

TMR

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

Personal > mystockbot2018 建置完成

Overview Resources **Deploy** Metrics Activity Access Settings

Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features

Pipelines let you connect multiple apps together and **promote code** between them. [Learn more.](#)

Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method

- Heroku Git Use Heroku CLI
- GitHub Connect to GitHub
- Container Registry Use Heroku CLI

Deploy using Heroku Git Install the Heroku CLI

功能串接

Bot 機器人建置

1. 進入控制台
2. 用自己的通訊軟體帳號登入

A screenshot of the LINE login interface. At the top, the word "LINE" is displayed in large, bold, green capital letters. Below it, there are two input fields: the first is labeled "電子郵件帳號" (Email Account) and the second is labeled "密碼" (Password). To the right of the first field is a small circular icon with a question mark. Below the input fields is a large, dark blue button with the white text "登入" (Login). At the bottom of the interface, there is a small line of text: "關於LINE | © LINE Corporation".

LINE

電子郵件帳號 ?

密碼

登入

關於LINE | © LINE Corporation

功能串接

Bot 機器人建置

TMR

LINE Developers Products Documents News FAQ Community Blog

Welcome Cheating

Providers

Provider List

Tools

Provider List (3)

Provider	Role
	Admin
	Admin
	Admin

Create New Provider

Create New Provider

創建自己的機器人

功能串接

Bot 機器人建置

TMR

LINE Developers Products Documents News FAQ Community Blog

Welcome Cheating

Providers

Provider List

Tools

Create new provider

Enter channel information Confirm Done

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

機器人的公司名稱

Provider name

小秘書派遣公司

Max: 100 characters

Confirm

功能串接

Bot 機器人建置

TMR

LINE Developers Products Documents News FAQ Community Blog

Providers

Provider List

TCY系研國際

小秘書派遣公司

Tools

A provider has been created!
Next, let's create a new channel

Please select a channel from the following and create a new channel.

LINE Login

Messaging API

Clova Skill

Create Channel

創建成功

創建API

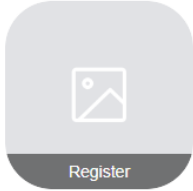
功能串接

Bot 機器人建置

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App icon



Under 3MB; JPEG/PNG/GIF/BMP

App name

Max: 20 characters

Note: The app name cannot be changed for seven days.

App description

Max: 500 characters

功能串接

Bot 機器人建置

請務必要選Developer Trail

問你做什麼工作

Email

TMR

Plan



Developer Trial

A trial plan which lets you create a bot that can send push messages and have up to 50 friends.

Note: You cannot upgrade or buy a premium ID for a Developer Trial plan.



Free

A plan which lets you create a bot with an unlimited number of friends. Push messages cannot be sent with this plan.

Note: You can upgrade this plan at any time.

Category

Select category

Subcategory

Select subcategory

Email address ?

example@line.me

Must be 100 characters

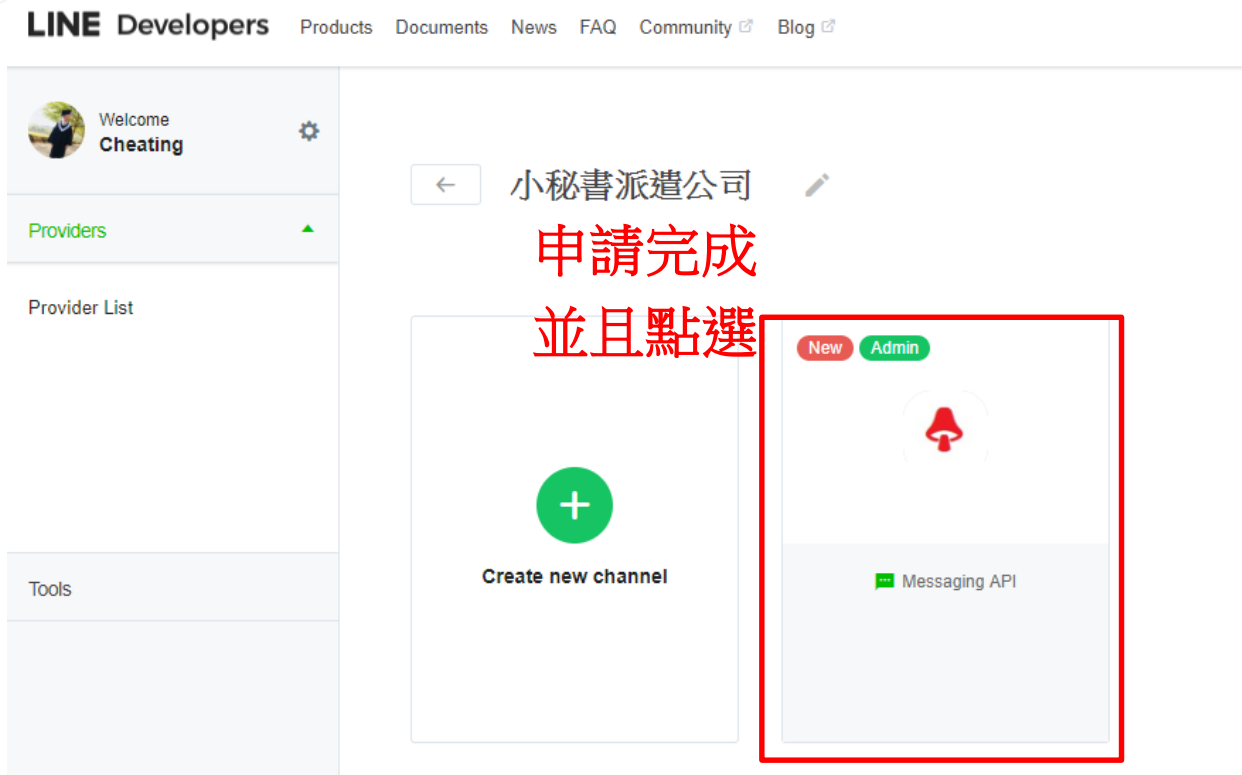
Previous page

Confirm

功能串接

Bot 機器人建置

TMR



Channel access token

一開始打開會是空的，點擊一下Issue就會有了

Messaging settings

Channel access token (long-lived) ?

OjDWk9uOU05gBAR9ILPLuIvK+yFm6AHkja8UgsoUngUpiyoNwQgKPugMpkjjUi1BThz5H6xcZzMo5AQnvt2FLAQs9GwyC/72wgF2XQWbin
+Z5MmFznF5N2ZSXY/98E8j5V6yI03qd4IKfKwyN+HBrgdB04t89/1O/w1cDnyilFU=

Issue

功能串接

Bot 串接與操作

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Webhooks

Use webhooks ?

Enabled

改成Enabled

Edit

Webhook URL Requires SSL ?

https:// mystockbot2018.herokuapp.com/callback

Max: 500 characters

Please enter a URL that supports HTTPS

Update

Cancel

【Heroku專案名稱】.herokuapp.com/callback

功能串接

Bot 串接與操作

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群組聊天

Allow bot to join group chats ?

Disabled

如果沒有用到盡量是關閉

Edit

功能串接

Bot 串接與操作

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Using LINE@ features

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

Auto-reply messages ?

Disabled

Edit

把罐頭回復關閉

Greeting messages ?

Disabled

Edit

功能串接

Bot 串接與操作

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小秘書的QR Code
可以掃描他家好友了

你的ID
(只有這個機器人認這個 I D)

QR code of your bot

QR code



Other

Your user ID ?

Udffeea842a3af70393cfb7986ff126cc

功能串接

Bot 串接與操作

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下載Bot 基本程式碼

The screenshot displays the GitHub interface for the repository 'rifleak74 / Linebot-Basic'. At the top, there are navigation links for 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', 'Insights', and 'Settings'. Below these, the repository name is shown along with 'Watch', 'Star', and 'Fork' buttons. The main content area shows the 'Line Bot basic code' with an 'Edit' button. A summary bar indicates '3 commits', '1 branch', '0 releases', and '1 contributor'. Below this, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. The file list shows 'rifleak74 Update app.py' as the latest commit. Below the file list, the 'README.md' file is selected, showing the title 'Linebot-Basic'.

rifleak74 / Linebot-Basic

Watch 0 Star 0 Fork 1

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Line Bot basic code Edit

Add topics

3 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

rifleak74 Update app.py Latest commit 58b35c4 on 18 Apr

Profile	Add files via upload	4 months ago
README.md	Create README.md	4 months ago
app.py	Update app.py	4 months ago
npm-debug.log	Add files via upload	4 months ago
requirements.txt	Add files via upload	4 months ago

README.md

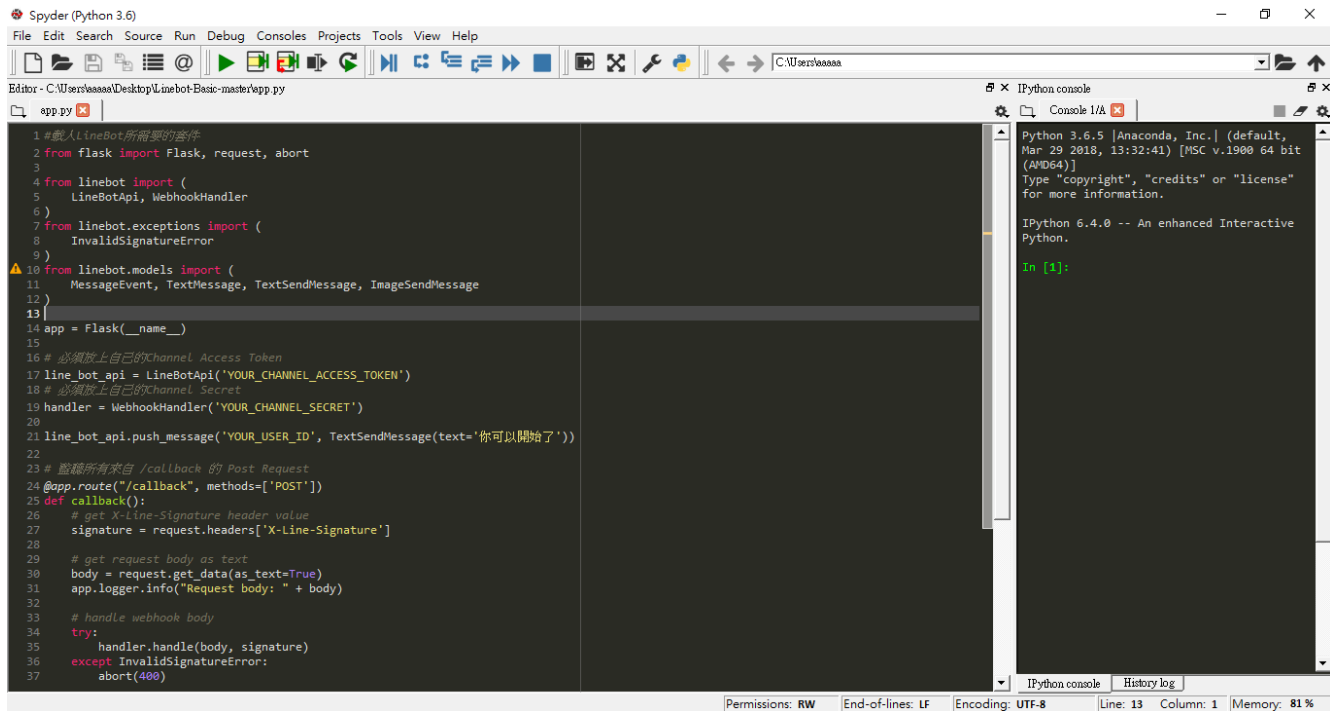
Linebot-Basic

功能串接

Bot 串接與操作

用Spyder 打開 app.py

TMR



```
1 #載入LineBot所需要的套件
2 from flask import Flask, request, abort
3
4 from linebot import (
5     LineBotApi, WebhookHandler
6 )
7 from linebot.exceptions import (
8     InvalidSignatureError
9 )
10 from linebot.models import (
11     MessageEvent, TextMessage, TextSendMessage, ImageSendMessage
12 )
13
14 app = Flask(__name__)
15
16 # 必須放上自己的channel Access Token
17 line_bot_api = LineBotApi('YOUR_CHANNEL_ACCESS_TOKEN')
18 # 必須放上自己的channel secret
19 handler = WebhookHandler('YOUR_CHANNEL_SECRET')
20
21 line_bot_api.push_message('YOUR_USER_ID', TextSendMessage(text='你可以開始了'))
22
23 # 監聽所有來自 /callback 的 Post Request
24 @app.route('/callback', methods=['POST'])
25 def callback():
26     # get X-Line-Signature header value
27     signature = request.headers['X-Line-Signature']
28
29     # get request body as text
30     body = request.get_data(as_text=True)
31     app.logger.info("Request body: " + body)
32
33     # handle webhook body
34     try:
35         handler.handle(body, signature)
36     except InvalidSignatureError:
37         abort(400)
```

Python 3.6.5 [Anaconda, Inc.] (default, Mar 29 2018, 13:32:41) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 6.4.0 -- An enhanced Interactive Python.

In [1]:

Permissions: RW | End-of-lines: LF | Encoding: UTF-8 | Line: 13 | Column: 1 | Memory: 81 %

功能串接

Bot 串接與操作

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Messaging settings

Channel access token (long-lived) ?

OjDWk9uOU05gBAr9ILPLulvK+yFm6AHkja8Ug
+Z5MmFznF5N2ZSXY/98E8j5V6yl03qd4IKfKwy

```
17 line_bot_api = LineBotApi('YOUR_CHANNEL_ACCESS_TOKEN')
18 # 必須放上自己的Channel Secret
19 handler = WebhookHandler('YOUR_CHANNEL_SECRET')
20
21 line_bot_api.push_message('YOUR_USER_ID', TextSendMessage(text='你可以開始了'))
```

Channel secret ?
a7323659e401169be0503d9a3764f1a9

Your user ID ?

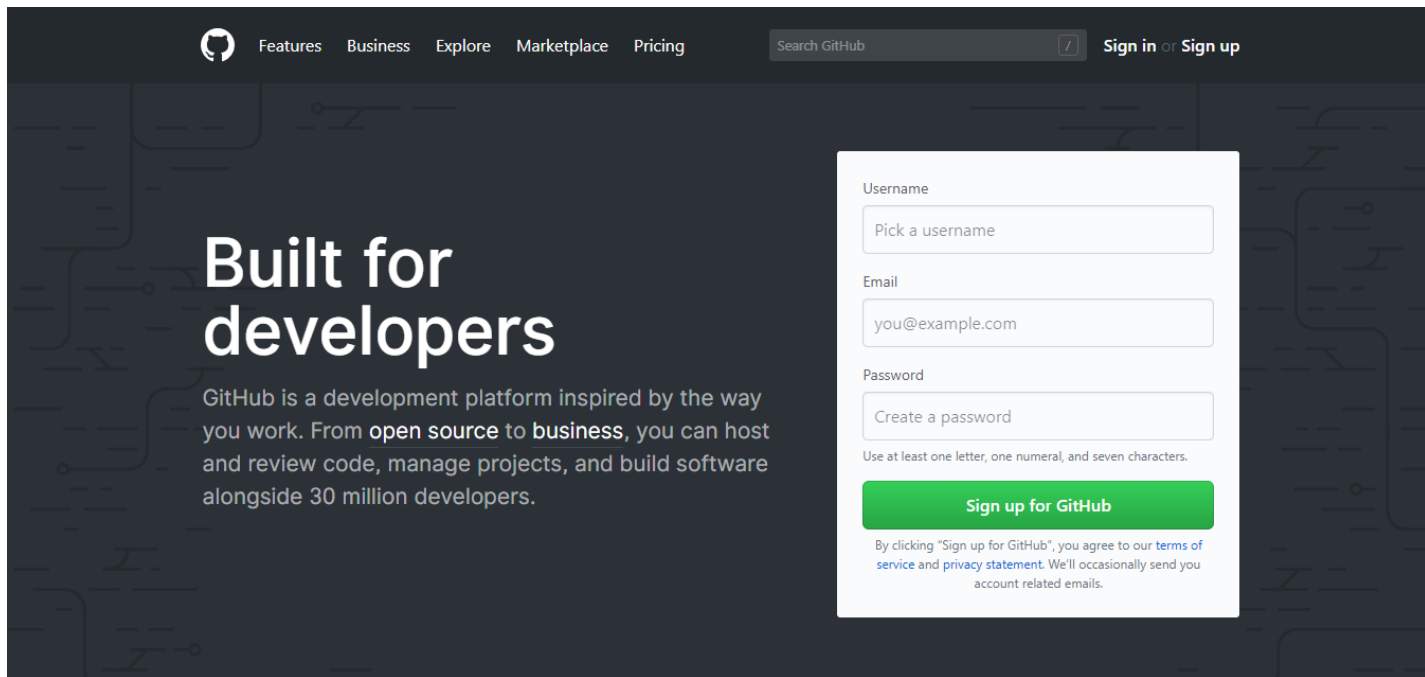
Udffeea842a3af70393cfb7986ff126cc

功能串接

Bot 串接與操作

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登入GitHub



The image shows the GitHub sign-up page. The background is dark with a faint circuit-like pattern. On the left, the text 'Built for developers' is prominent, followed by a description of GitHub as a development platform. On the right, there is a white sign-up form with fields for Username, Email, and Password. A green 'Sign up for GitHub' button is at the bottom of the form. Above the form, the GitHub logo and navigation links (Features, Business, Explore, Marketplace, Pricing) are visible, along with a search bar and 'Sign in or Sign up' links.

Features Business Explore Marketplace Pricing Search GitHub Sign in or Sign up

Built for developers

GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside 30 million developers.

Username
Pick a username

Email
you@example.com

Password
Create a password

Use at least one letter, one numeral, and seven characters.

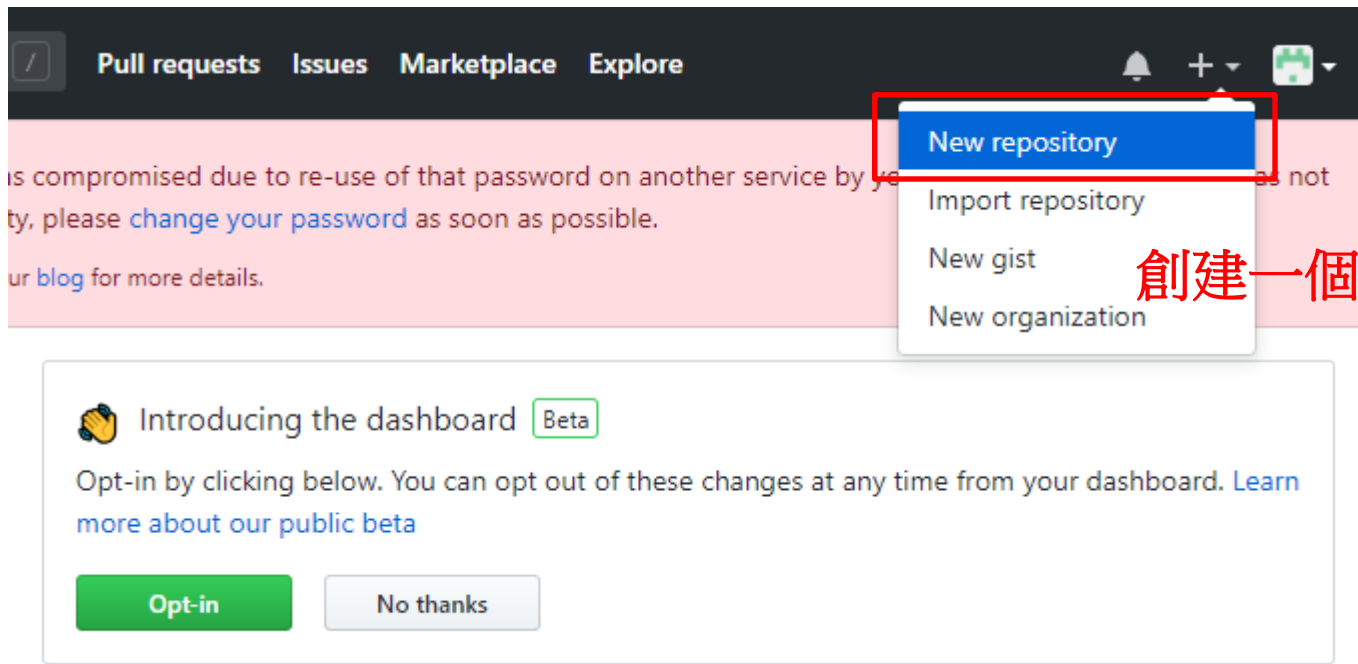
Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy statement](#). We'll occasionally send you account related emails.

功能串接

Bot 串接與操作

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功能串接

Bot 串接與操作

TMR

專案名稱

一般免費帳號只能設公開，當然能不公開就不公開

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Repository name

Great repository names are short and memorable. Need inspiration? How about reimaged-waffle.

Description (optional)

☒ Public

Anyone can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾

Add a license: None ▾

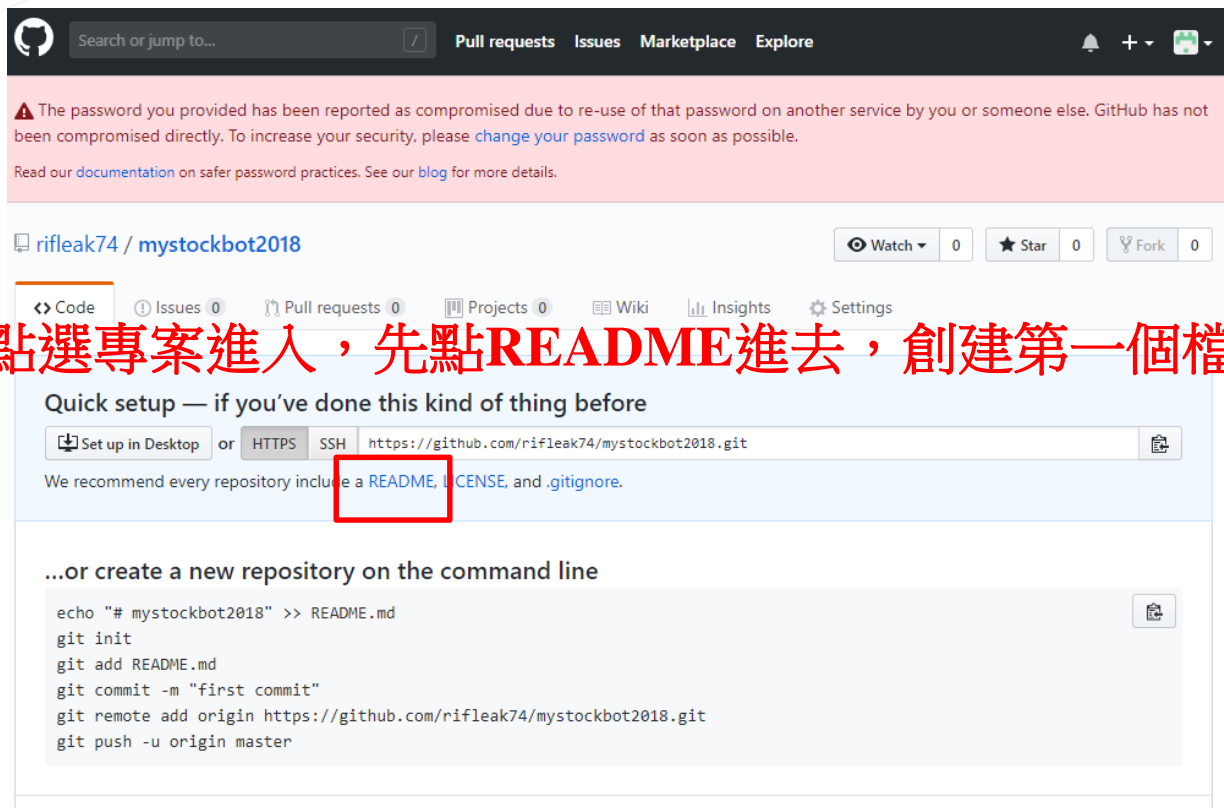


Create repository

功能串接

Bot 串接與操作

TMR



完成後點選專案進入，先點**README**進去，創建第一個檔案

功能串接

Bot 串接與操作

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The screenshot shows the GitHub interface for a repository named 'mystockbot2018'. At the top, there's a navigation bar with links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Insights, and Settings. Below this, a message states 'No description, website, or topics provided.' with an 'Edit' button. The repository statistics show 1 commit, 1 branch, 0 releases, and 1 contributor. A red text overlay '創建完後，點選Upload Files' points to the 'Upload files' button in the 'Create new file' section. Below this, a commit history table shows a commit by 'rifleak74' titled 'Create README.md' with the latest commit hash 'e3160cd' and the time 'just now'. The file list shows 'README.md' with a 'Create README.md' button. The README content area displays 'mystockbot2018'.

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided. Edit

Add topics

1 commit 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

rifleak74	Create README.md	Latest commit e3160cd just now
-----------	------------------	--------------------------------

README.md	Create README.md	just now
-----------	------------------	----------

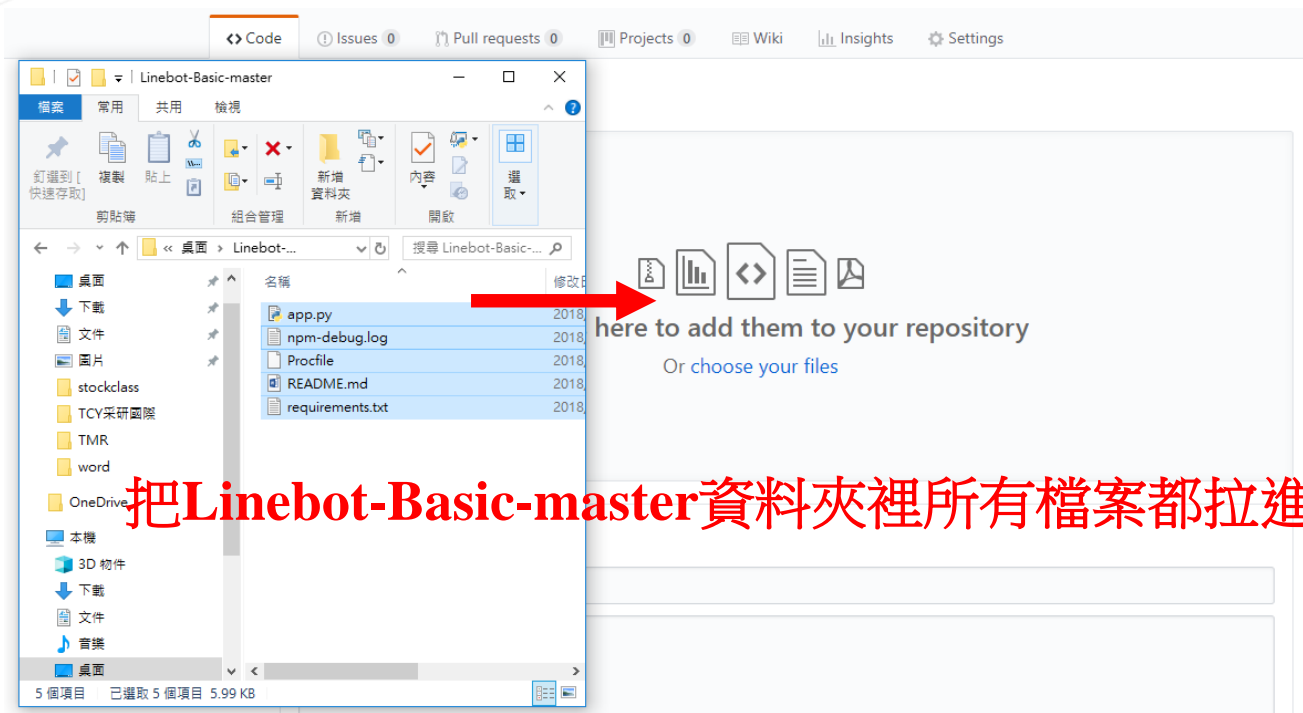
README.md

mystockbot2018

功能串接

Bot 串接與操作

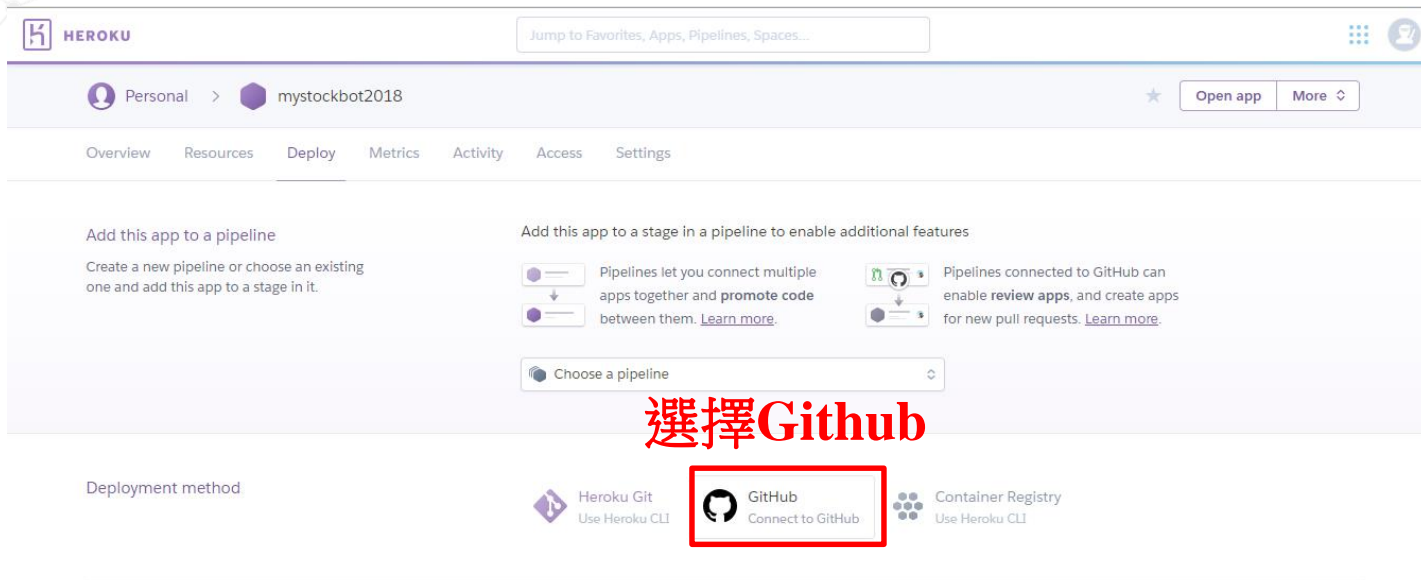
TMR



功能串接

Bot 串接與操作

TMR



選擇Github

選擇自己Github的帳號，
以及剛剛創建的專案名稱

Search for a repository to connect to

rifleak74 repo-name Search

功能串接

Bot 串接與操作

TMR

按下搜尋後，出現下方畫面就是有連接成功，
即可按下後方的**Connect**


Search for a repository to connect to

 rifleak74

mystockbot2018

Search

Missing a GitHub organization? [Ensure Heroku Dashboard has team access.](#)

 rifleak74/mystockbot2018

Connect

功能串接

Bot 串接與操作

TMR

拉到最下面，在Manual deploy的地方
打上master按下Deploy Branch

Manual deploy

Deploy the current state of a branch to this app.

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

🔑 master



Deploy Branch

功能串接


Bot 串接與操作

TMR

出現右方畫面就是正在部屬了

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

 master



Deploy Branch

Receive code from GitHub

Build master

```
-----> Python app detected
-----> Installing requirements with pip
-----> Discovering process types
        Procfile declares types -> web
-----> Compressing...
```

☒ Autoscroll with output

功能串接

Bot 串接與操作

TMR

部屬完成

Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)



master



Deploy Branch

Receive code from GitHub



Build **master**



Release phase



Deploy to Heroku



Your app was successfully deployed.



View

功能串接

Bot 串接與操作

TMR

直接跟機器人對話
他會重複你說的話就是成功了



功能串接

Bot 串接與操作

TMR

如果無法執行可以點選上方More > View logs，查看錯誤訊息

Personal > mystockbot2018

GITHUB rifleak74/mystockbot2018

Overview Resources Deploy Metrics Activity Access Settings

Application Logs

2018-08-16T09:01:29.406216+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=GET path="/favicon.ico" host=mystockbot2018.herokuapp.com request_id=8994cc39-esc3-41a4-9fcd-ef8255fee558 fwd="140.118.119.52" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:07:36.443139+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=12911af3-8e43-43b1-98fd-a0e2a802e8e3 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:07:59.479030+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=3453bca8-e316-4520-889f-c321c2437a48 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:10:37.168777+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=8c642e89-1b5d-4f07-a201-c24d6868ffbd fwd="203.104.156.76" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:12:19.515956+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=0910ebce-db09-4454-8dcc-e43b9604307d fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:12:24.496922+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=787616e1-573a-4a11-b721-a9fcafa956dd fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:12:28.539973+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=98281f47-fbd1-4063-a54a-0bdc109e2aba fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:12:29.866653+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=6078e160-1de8-4e80-b41a-8795d0197d45 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https

2018-08-16T09:13:09.694924+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=b8f1d692-f478-

Autoscroll with output

Open app More

- View logs
- View webhooks
- Run console
- Production check
- Restart all dynos
- Add to pipeline...

功能串接

Bot 串接與操作

TMR

如果無法執行可以點選上方More > View logs，查看錯誤訊息

Overview Resources Deploy Metrics Activity Access Settings

Application Logs

```
2018-08-16T09:01:29.406216+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=GET path="/favicon.ico" host=mystockbot2018.herokuapp.com request_id=8994cc39-escb-41a4-9fcd-ef8255fee558 fwd="140.118.119.52" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:07:36.443139+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=12911af3-8e43-43b1-98fd-a0e2a802e8e3 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:07:59.479030+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=3453bca8-e316-4520-889f-c321c2437a48 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:10:37.168777+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=8c642e89-1b5d-4f07-a201-c24d6868ffbd fwd="203.104.156.76" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:12:19.515956+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=0910ebce-db09-4454-8dcc-e43b9604307d fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:12:24.496922+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=787616e1-573a-4a11-b721-a9fcafa956dd fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:12:28.539973+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=98281f47-fbd1-4063-a54a-0bdc109e2aba fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:12:29.866653+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=6078e160-1de8-4e80-b41a-8795d0197d45 fwd="203.104.146.155" dyno= connect= service= status=503 bytes= protocol=https
2018-08-16T09:13:09.694924+00:00 heroku[router]: at=error code=H10 desc="App crashed" method=POST path="/callback" host=mystockbot2018.herokuapp.com request_id=b8f1d692-f478-
```

Autoscroll with output

或者可以選擇More > Restare all dynos，重新啟動服務

The background of the slide is a light gray network of thin lines connecting various-sized dots. Some dots are larger than others, creating a complex, web-like pattern that fills the entire frame. The word "END" is centered in the middle of this pattern.

END