

從0開始的linebot

記事本： 從0開始的

已建立： 2018/2/11 下午 12:32

已更新： 2018/2/13 下午 09:15

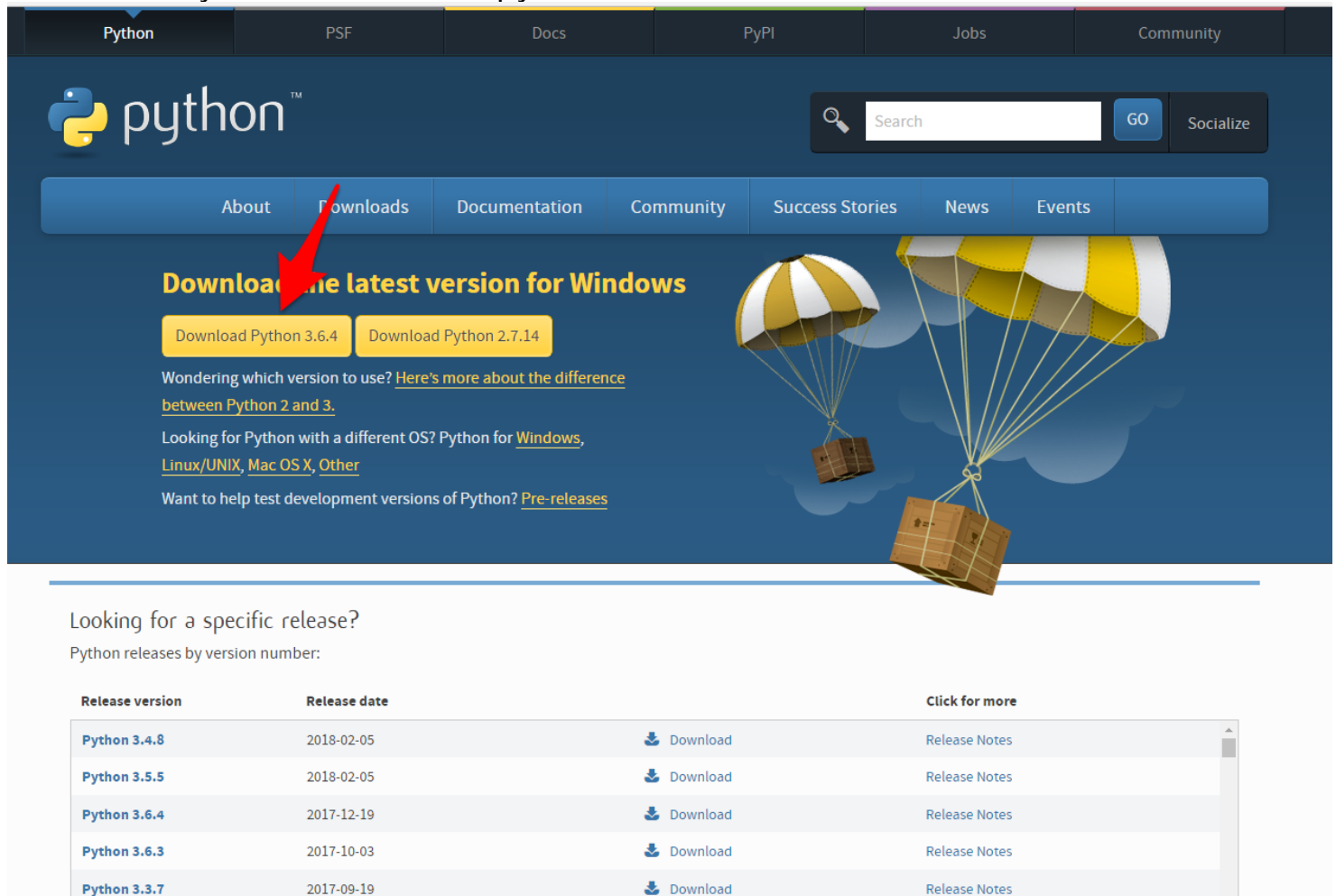
作者： kingkonwolf

URL： about:blank

首先要先灌三個東西

- Python 3
- Heroku CLI
- Git

首先要先裝Python3(我自己是用python3開發)



Python

PSF

Docs

PyPI

Jobs

Community

python™

Search

GO

Socialize

About Downloads Documentation Community Success Stories News Events

Download the latest version for Windows

Download Python 3.6.4

Download Python 2.7.14

Wondering which version to use? [Here's more about the difference between Python 2 and 3.](#)

Looking for Python with a different OS? Python for [Windows](#), [Linux/UNIX](#), [Mac OS X](#), [Other](#)

Want to help test development versions of Python? [Pre-releases](#)

Looking for a specific release?

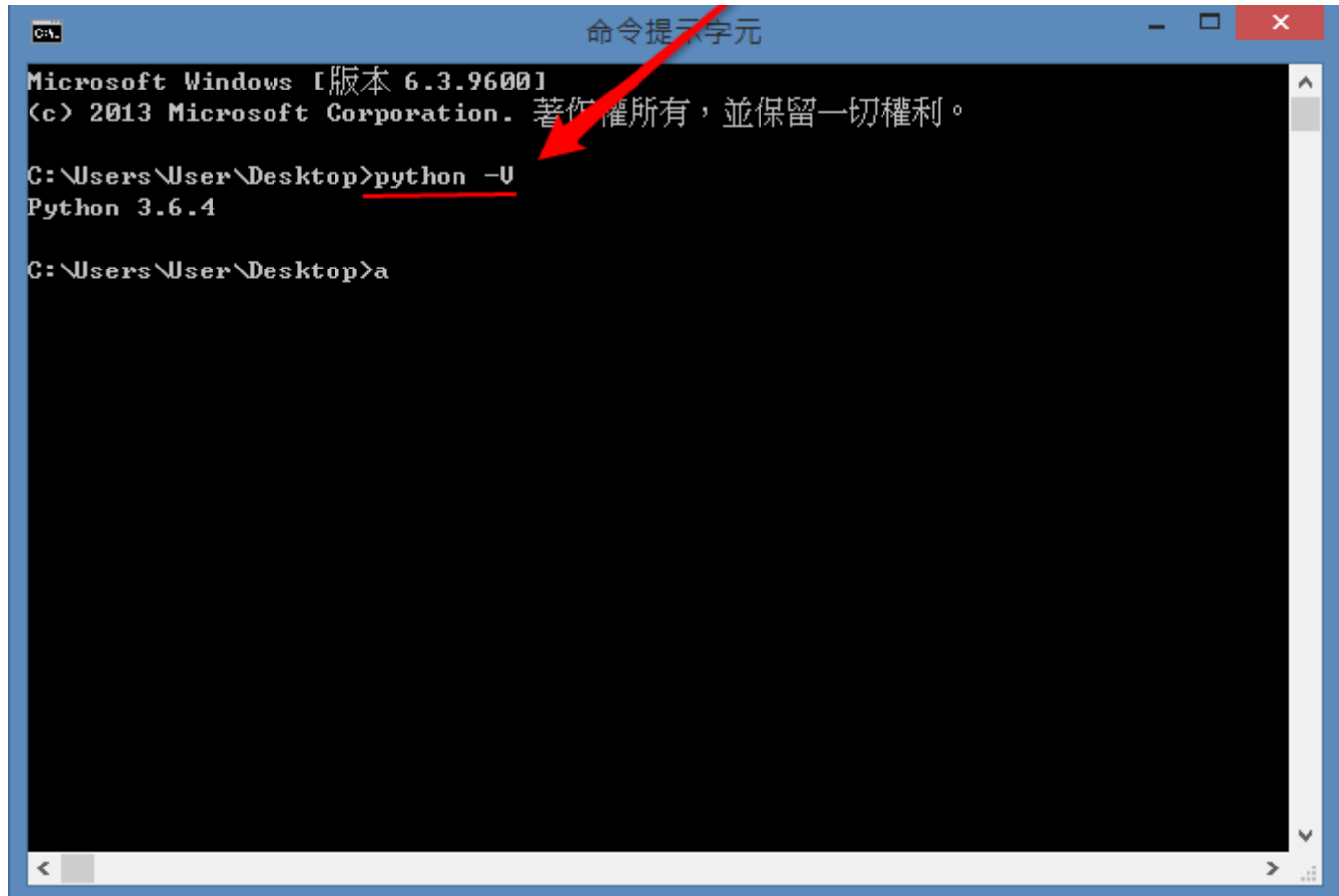
Python releases by version number:

Release version	Release date		Click for more
Python 3.4.8	2018-02-05	Download	Release Notes
Python 3.5.5	2018-02-05	Download	Release Notes
Python 3.6.4	2017-12-19	Download	Release Notes
Python 3.6.3	2017-10-03	Download	Release Notes
Python 3.3.7	2017-09-19	Download	Release Notes

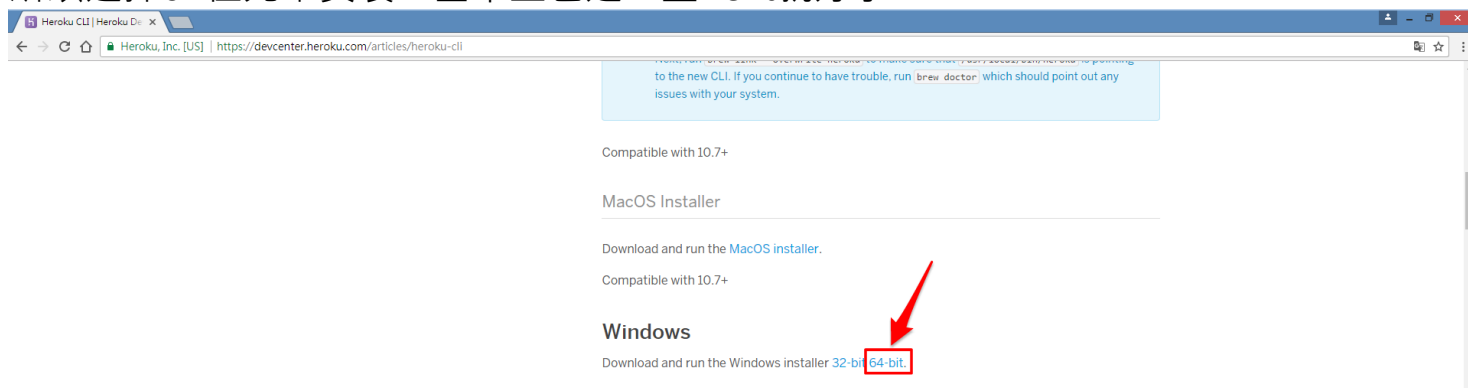
然後就類似java的環境設定變數一樣，把路徑設定進去，python3可以直接用勾選的方式做新增環境變數的動作，之後就一直next到底就好



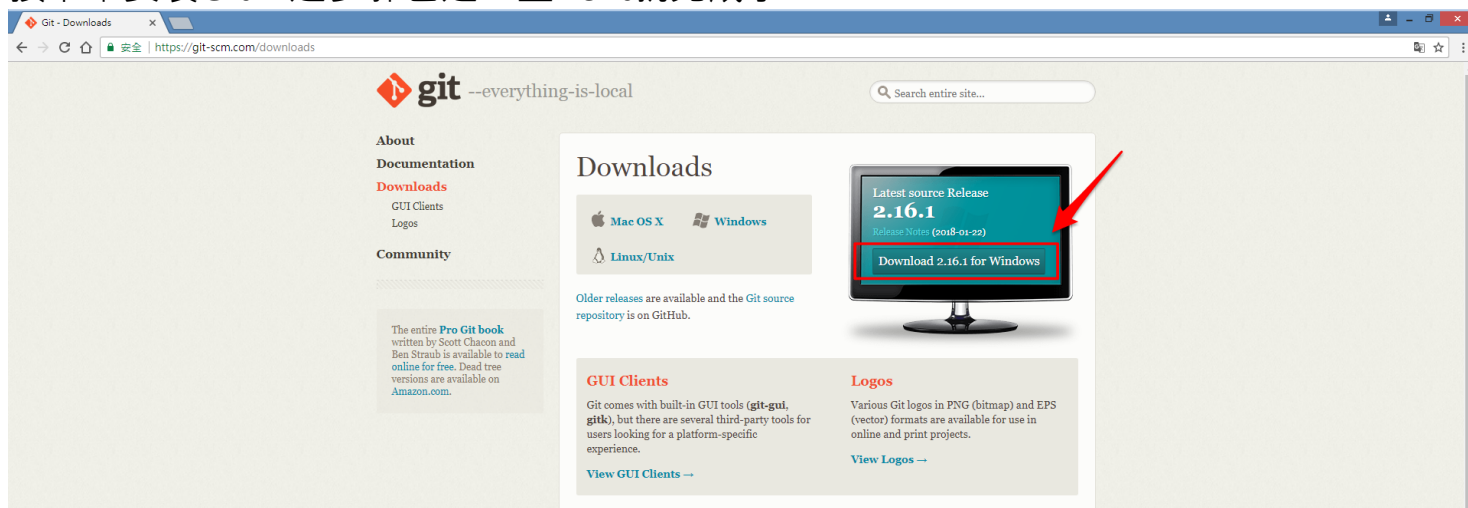
灌完之後輸入->python -V檢查是否可以呼叫python，有出現這種版本號表示路徑設定成功



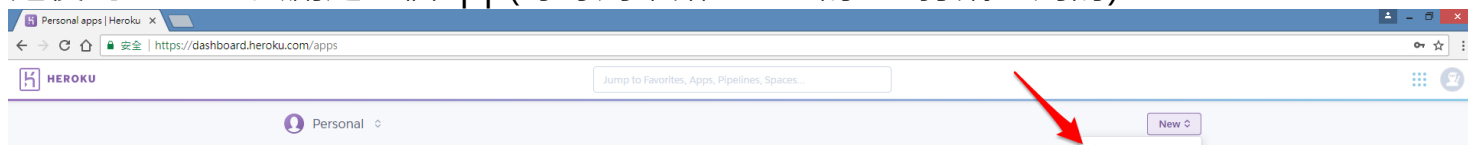
接下來灌Heroku CLI，首先到他們的官網找download，因為我自己的電腦是64位元。所以選擇64位元來安裝，基本上也是一直next就好了



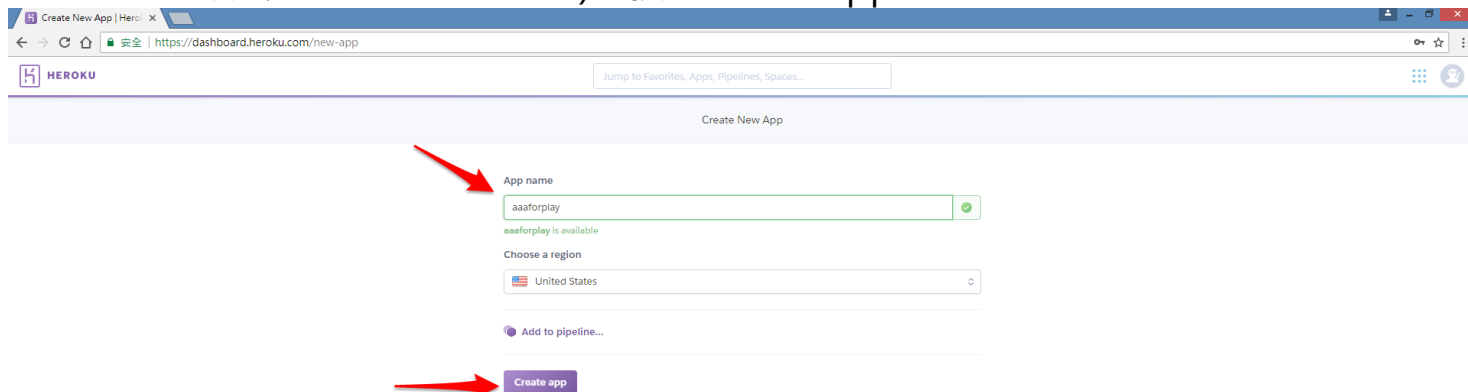
接下來要裝Git，這步驟也是一直next就完成了



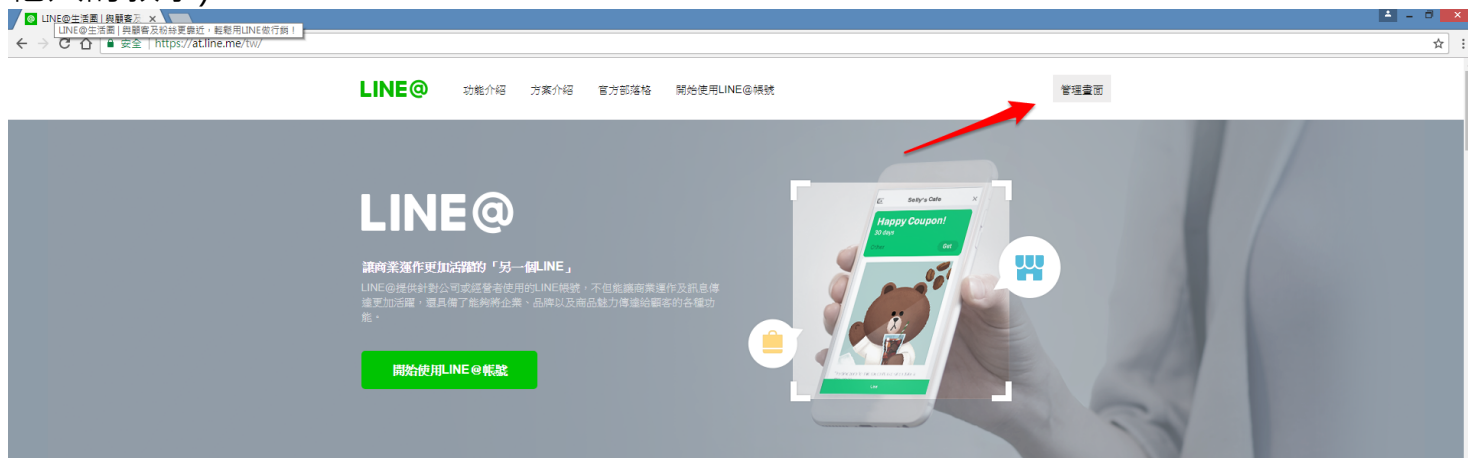
之後到heroku去創建一個app(等等用來給line at的bot打網址用的)



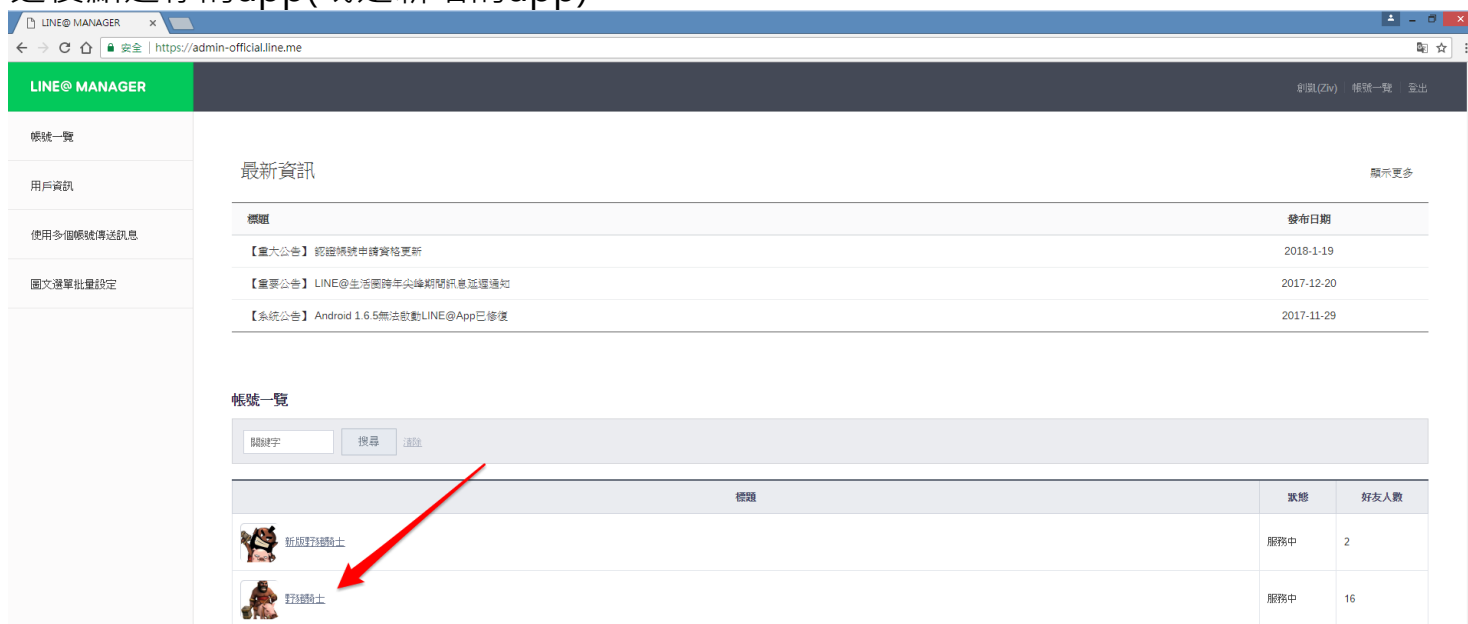
我們就隨便取個名字好了(雖然用他們的工具也可以產生一個app，但是名字通常很長，不好記，所以我都自己手動創一個)，按下create app就建好了



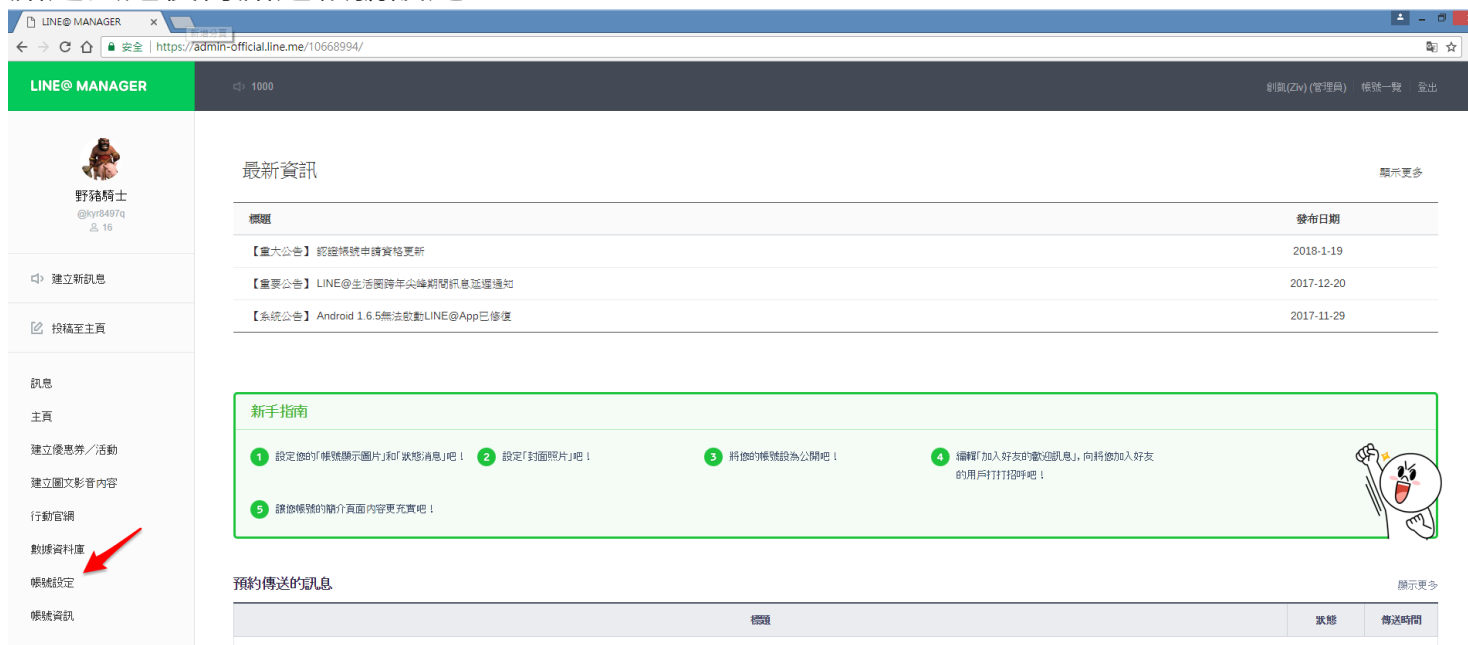
接下來就到line at去申請機器人的帳號，我忘記前面的東西要怎麼弄了(網路上應該有其他人的教學)



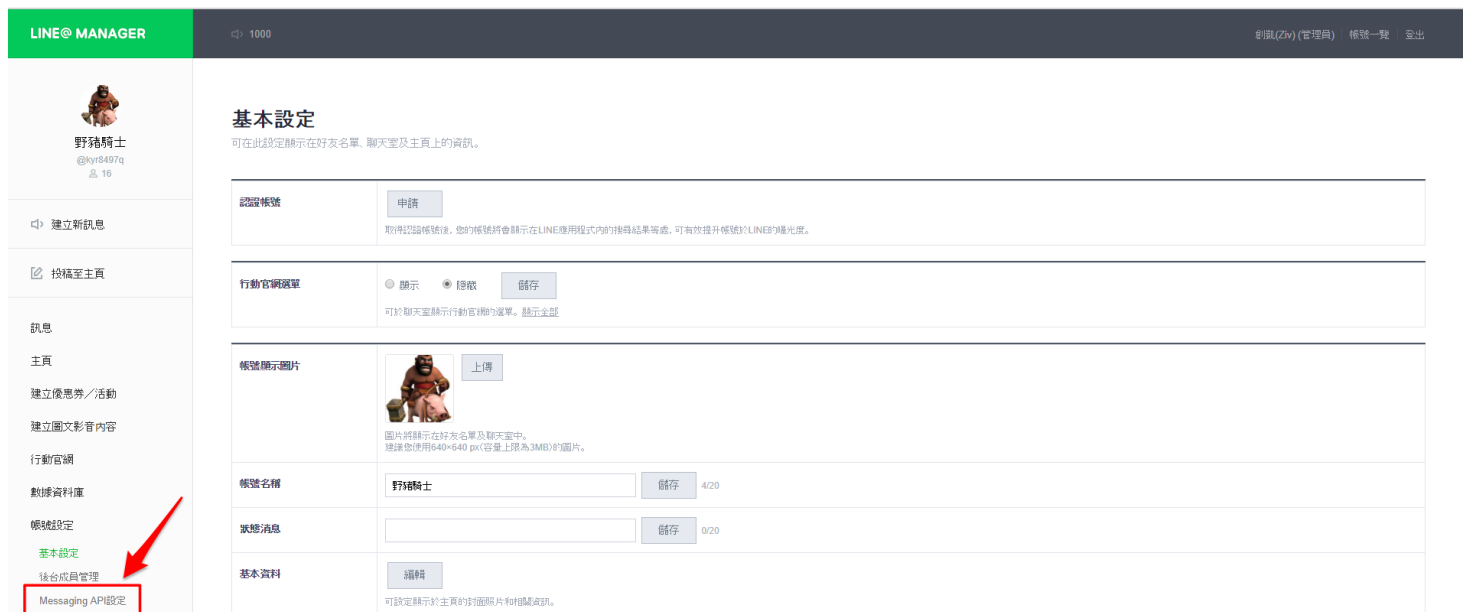
之後點選你的app(或是新增的app)



點進去之後再點選帳號設定



然後選擇message api，右邊下面有一個Line message API的按鈕，點它就可以進到api設定的頁面

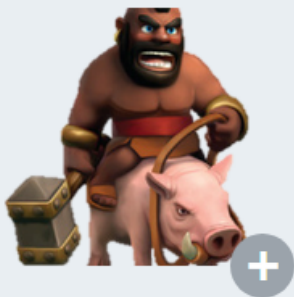


進去之後可以看到很多東西，我們這裡會用到的有Channel Secret，channel access token

然後use webhooks要開啟(enable)，然後把剛剛我們申請的app網址放到webhook URL內，其他的也都開一開，基本上就是一些回話的設定而已

Basic information

App icon



Under 3MB; JPEG/PNG/GIF/BMP

App name

野豬騎士



App description

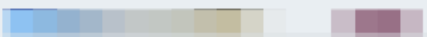
測試機器人



Channel ID

1556911477

Channel secret



Issue

App type

BOT



For display purposes only.

Messaging settings

Channel access token (long-lived) ?



Issue

Use webhooks ?

Enabled

Webhook URL Requires SSL ?

https://zivlinebotforplay.herokuapp.com/callback

Verify

Allow bot to join group chats ?

Enabled

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](#)

設定完之後，為了讓野豬騎士可以回話，我們需要在heroku 安裝postgresql來讓野豬騎士學習資料，首先我們先到heroku 裡面，點選你的app，點選setting

HEROKU

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

Personal > aaaforplay

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

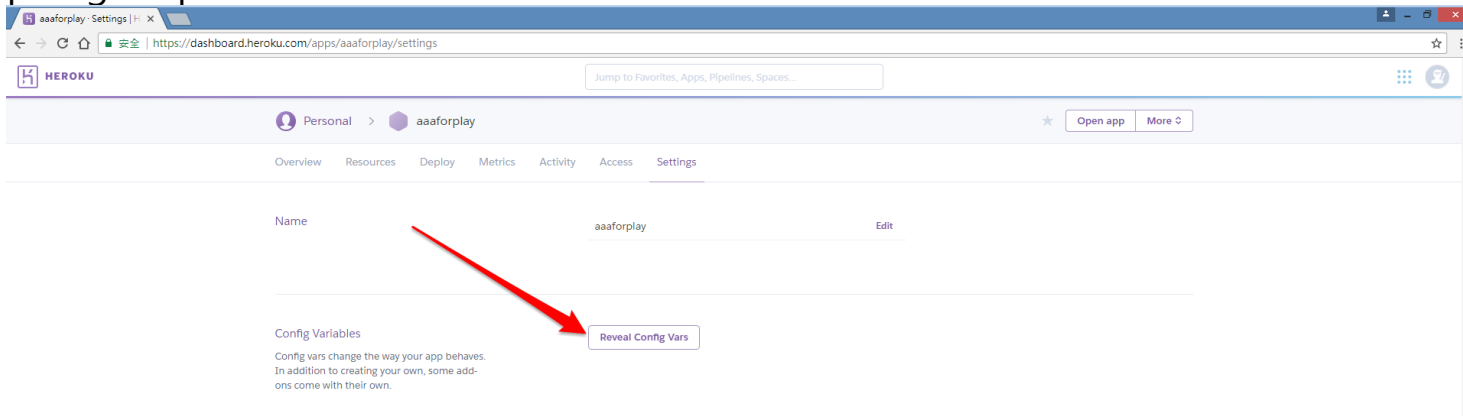
There is no recent activity on this app
Collaborator activity will be shown when there are recent deploys

Latest activity

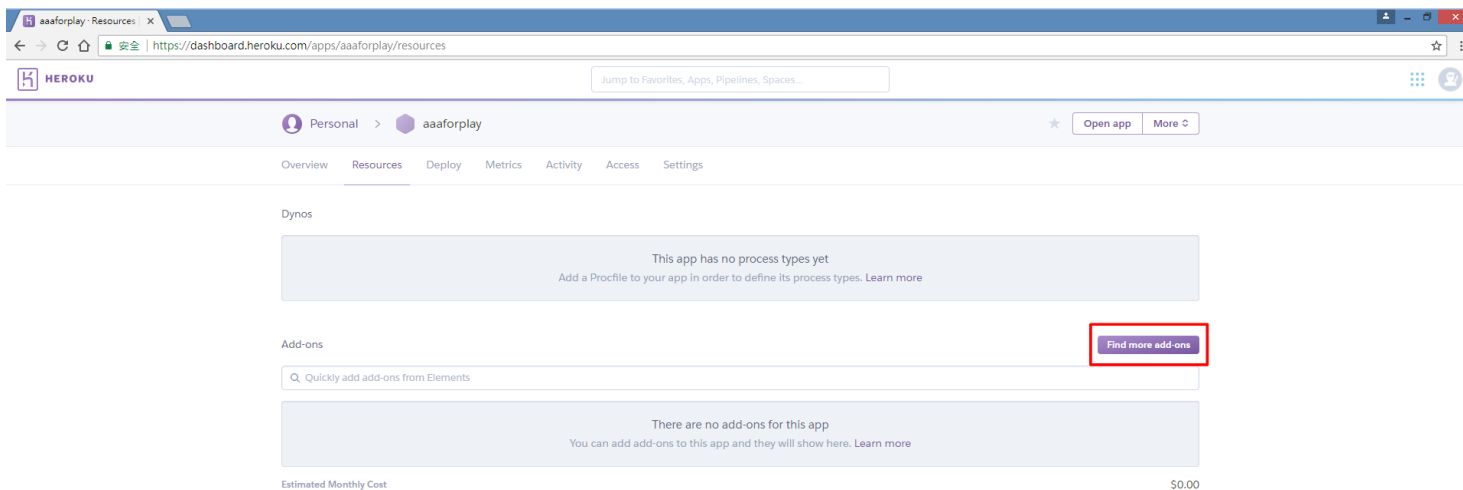
All Activity

- kingkonwolf@gmail.com: Enable Logplex
5 minutes ago · v2
- kingkonwolf@gmail.com: Initial release
5 minutes ago · v1

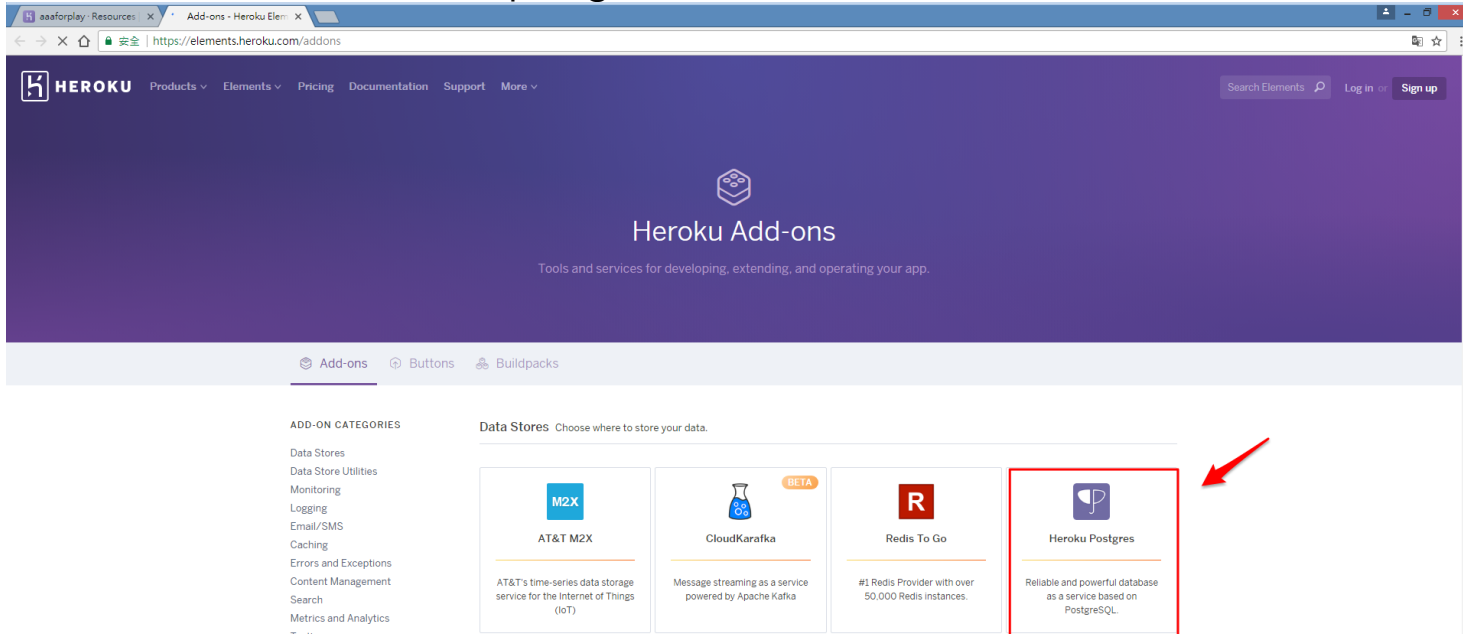
之後把剛剛的channel secret跟channel access token放到他的config中，之後會有postgresql的路徑，也是放到這邊來



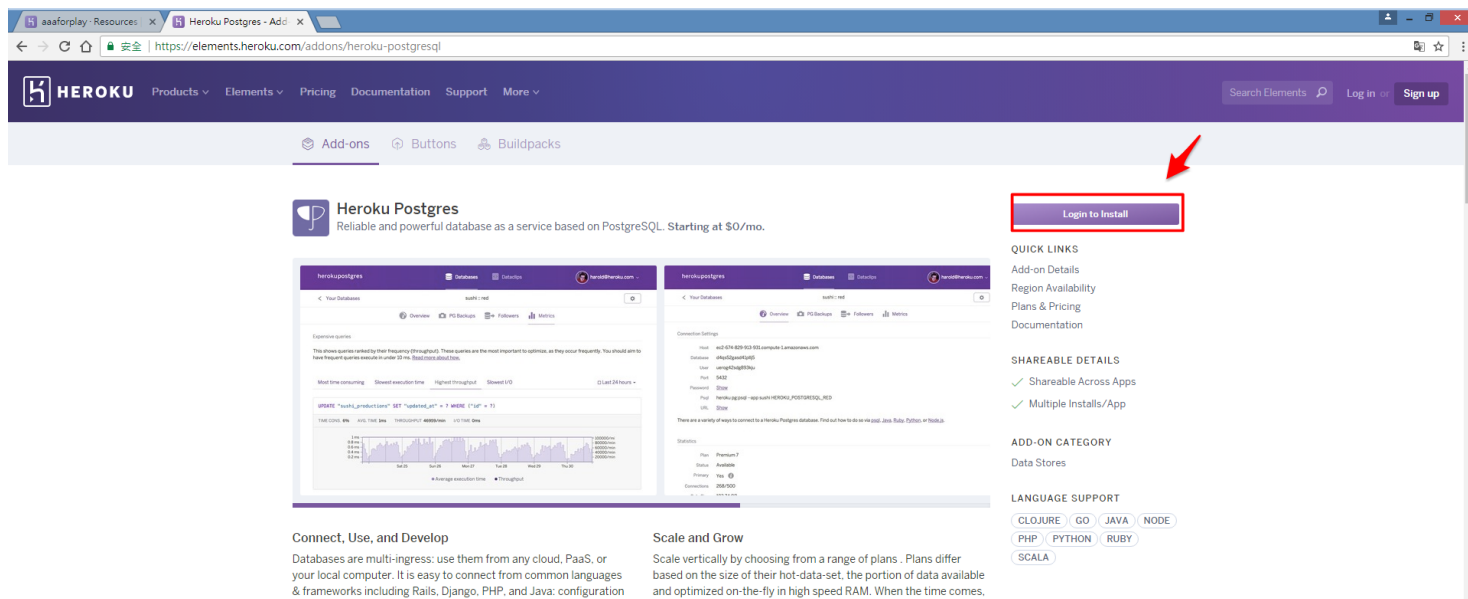
把line的那些資料放好之後，我們來裝postgresql，首先點到resouce的tag選擇find more add-ons



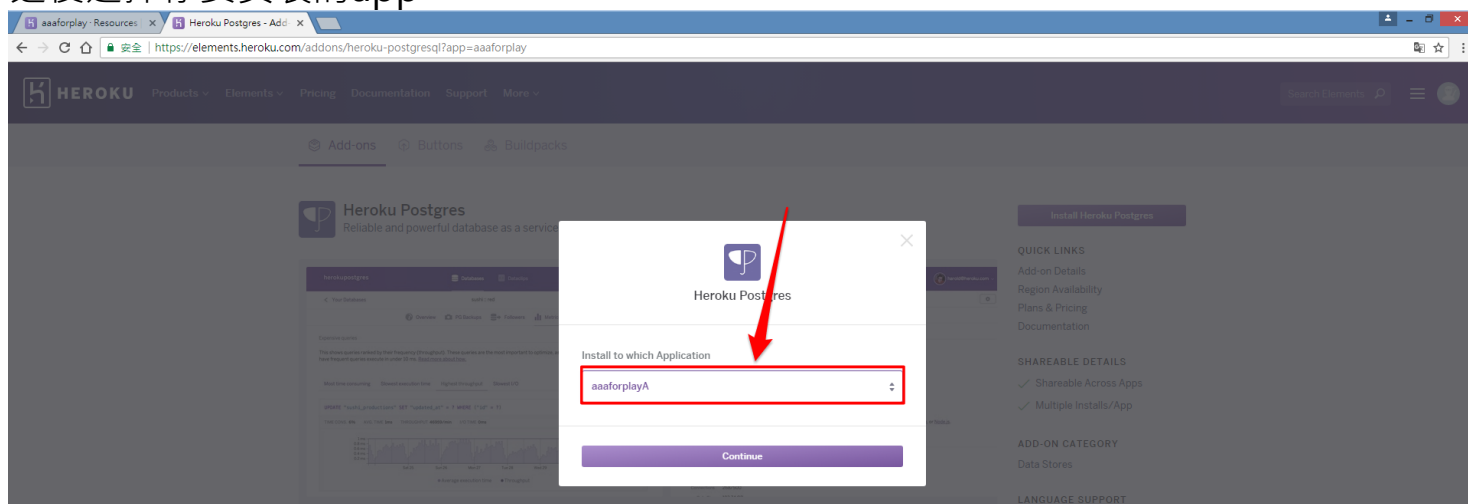
進到頁面後，找到這個heriku postgres



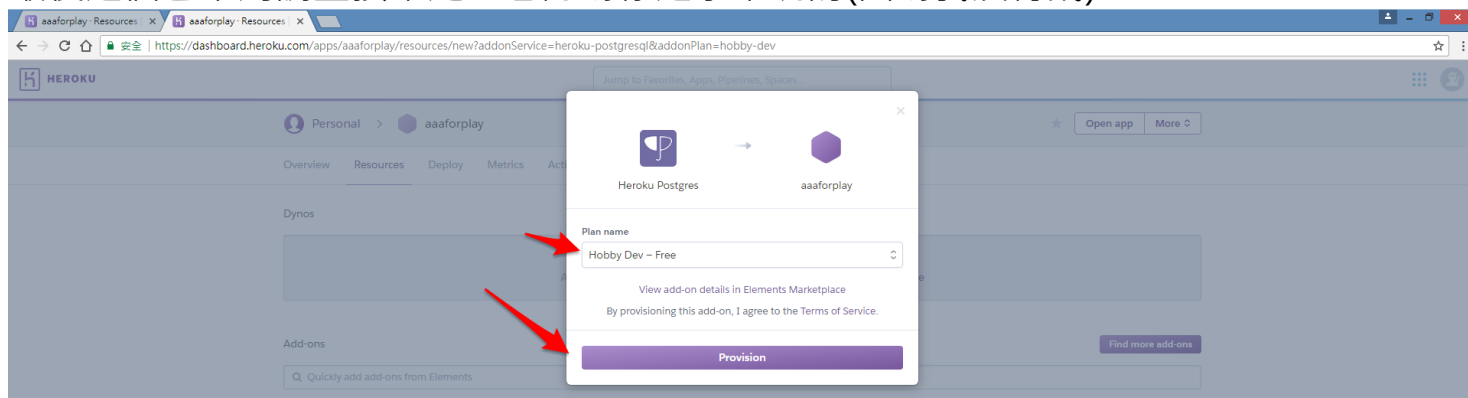
然後就安裝它，基本上這裡沒啥太困難的地方



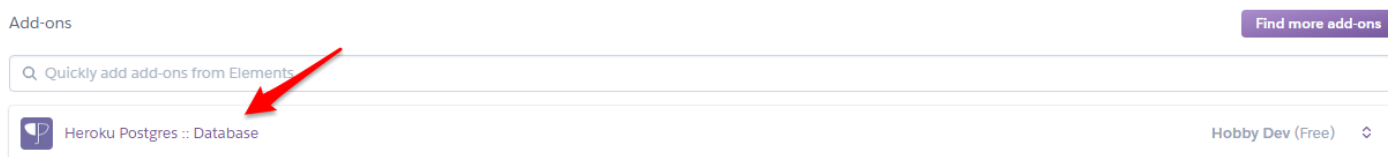
之後選擇你要安裝的app



最後這個也不用調直接確定，它認為你是拿來玩的(因為我沒付錢)



之後要把這個postgres跟heroku 串接起來，所以點你剛剛創建好的db



選擇setting

Databases > postgresql-contoured-76022

SERVICE heroku-postgresql PLAN hobby-dev BILLING APP zivlinebotforplay

Overview Durability **Settings**

HEALTH

Available

PRIMARY Yes VERSION 10.1 CREATED 21 days ago MAINTENANCE Unsupported ROLLBACK Unsupported

UTILIZATION

0 of 20 CONNECTIONS 1,015 of 10,000 ROWS 8.2 MB DATA SIZE 3 TABLES

然後會看到一堆有得沒的資料，關鍵只有url那一條而已，把那一條貼到heroku seting中，基本上就大功告成了

Database Credentials

Get credentials for manual connections to this database.

Please note that **these credentials are not permanent**.
Heroku rotates credentials periodically and updates applications where this database is attached.

Host ec2-54-221-198-206.compute-1.amazonaws.com

Database

User

Port

Password

URI postgres://eyrebrbswtgfp1:701b4d01e4e3495a337ce65048792c20206d0155eaa6270777aba293b955dc7f@ec2-54-221-198-206.compute-1.amazonaws.com:5432

Heroku CLI heroku pg:psql postgresql-contoured-76022 --app zivlinebotforplay

之後就是程式面的問題，如果不想重頭來，先把我的git clone下

來 <https://github.com/owpon/pralinebot>

之後把migration這個資料刪除(因為資料庫不一樣)，所以等等要下語法來新建對db的連結

pralinebot [pralineBot]

migrations

app.py

dbModel.py

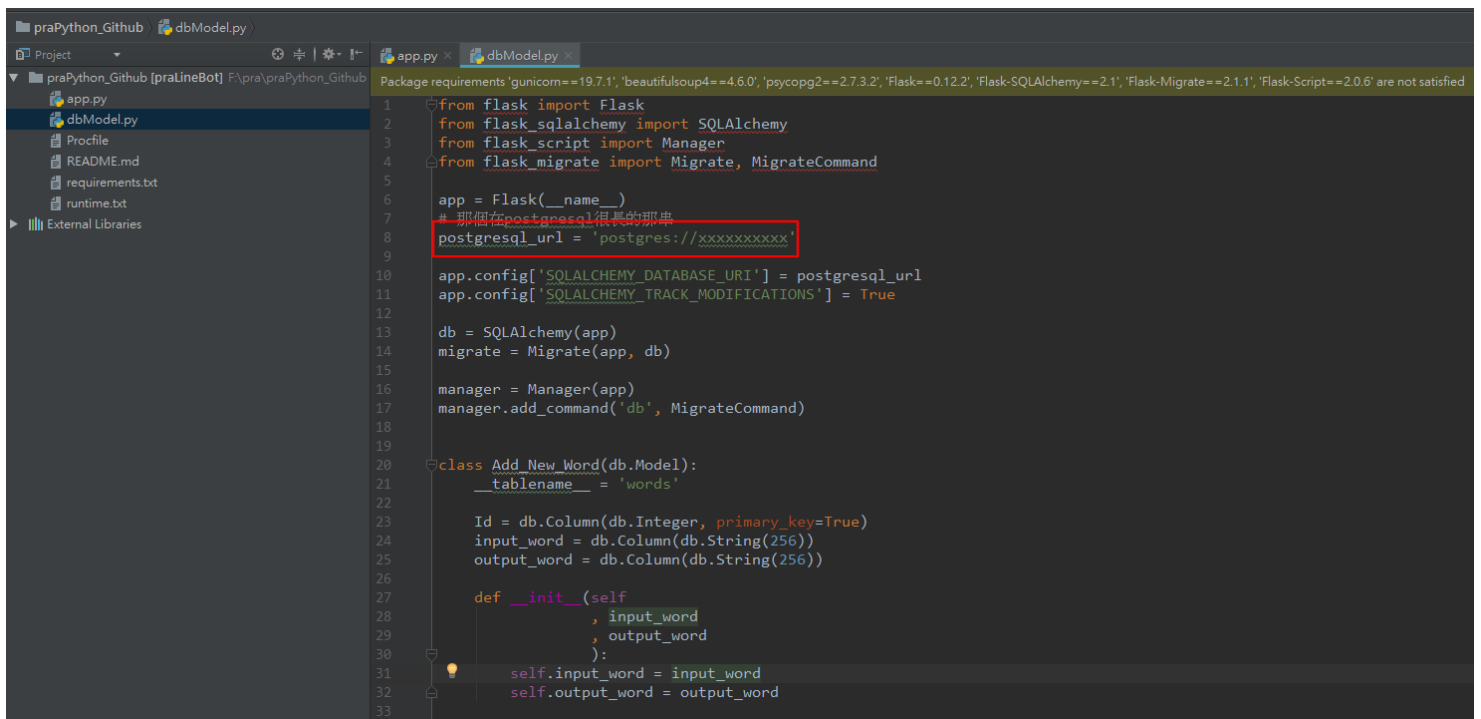
Procfile

README.md

requirements.txt

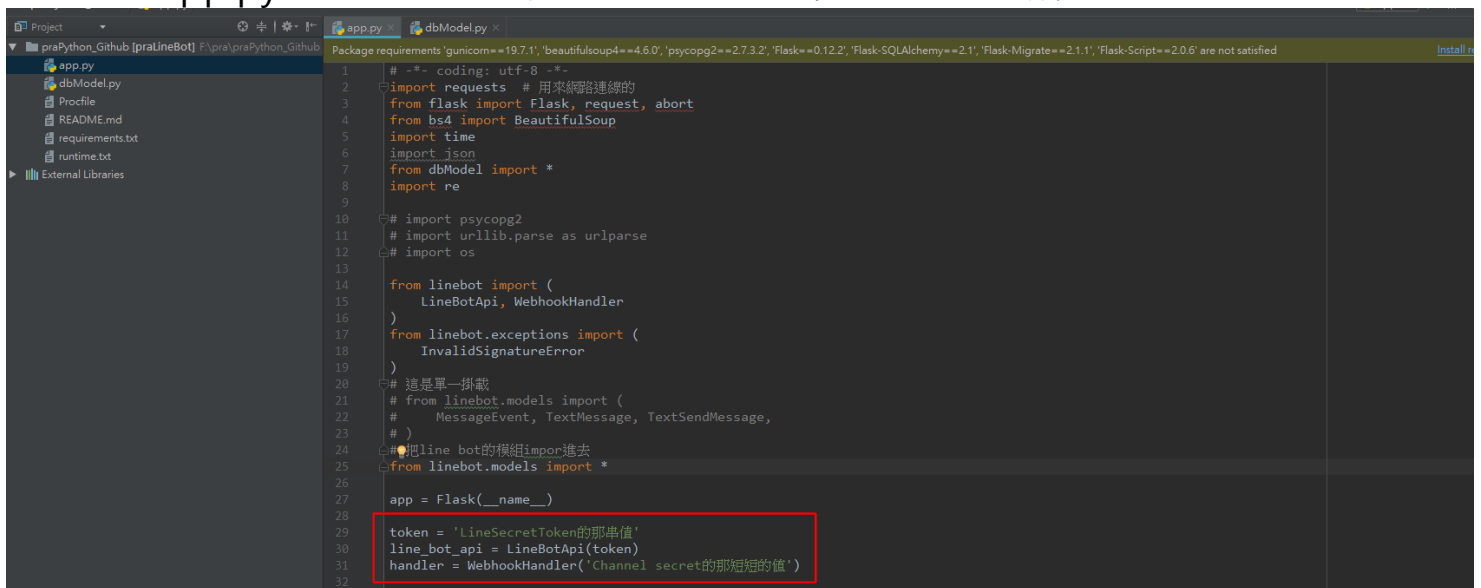
runtime.txt

然後再dbModel裡面有一個postgresql_url，把它換成在資料庫看到的那個uri



```
1 from flask import Flask
2 from flask_sqlalchemy import SQLAlchemy
3 from flask_script import Manager
4 from flask_migrate import Migrate, MigrateCommand
5
6 app = Flask(__name__)
7 # 那個在postgresql很長的那串
8 postgresql_url = 'postgres://xxxxxxxxx'
9
10 app.config['SQLALCHEMY_DATABASE_URI'] = postgresql_url
11 app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = True
12
13 db = SQLAlchemy(app)
14 migrate = Migrate(app, db)
15
16 manager = Manager(app)
17 manager.add_command('db', MigrateCommand)
18
19
20 class Add_New_Word(db.Model):
21     __tablename__ = 'words'
22
23     Id = db.Column(db.Integer, primary_key=True)
24     input_word = db.Column(db.String(256))
25     output_word = db.Column(db.String(256))
26
27     def __init__(self
28         , input_word
29         , output_word
30     ):
31         self.input_word = input_word
32         self.output_word = output_word
33
```

之後再把app.py裡面的token跟Secret放進去基本上就大功告成了



```
1 # -*- coding: utf-8 -*-
2 import requests # 用來網路連線的
3 from flask import Flask, request, abort
4 from bs4 import BeautifulSoup
5 import time
6 import json
7 from dbModel import *
8 import re
9
10 # import pycpg2
11 # import urllib.parse as urlparse
12 # import os
13
14 from linebot import (
15     LineBotApi, WebhookHandler
16 )
17 from linebot.exceptions import (
18     InvalidSignatureError
19 )
20 # 這是單一掛載
21 # from linebot.models import (
22 #     MessageEvent, TextMessage, TextSendMessage,
23 # )
24 # 把line bot的模組import進去
25 from linebot.models import *
26
27 app = Flask(__name__)
28
29 token = 'LineSecretToken的那些值'
30 line_bot_api = LineBotApi(token)
31 handler = WebhookHandler('Channel secret的那短短的')
32
```

然後先切到自己的這隻linebot資料夾，然後輸入以下三個指令來做db的遷移
打"python dbModel.py db init"

之後再打"python dbModel.py db migrate"

最後再打 "python dbModel.py db upgrade"
這樣就可以做完資料庫的搬遷動作