## 程式設計

## Facebook SDK & Post by Python

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## What's an API?

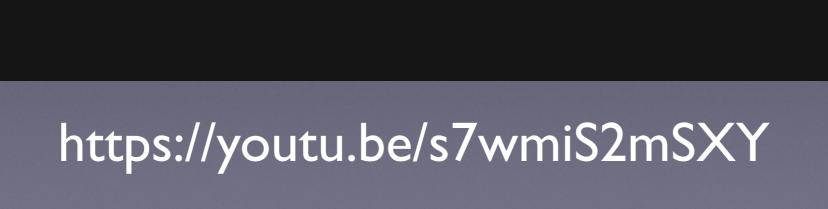
API is the acronym for Application
 Programming Interface, which is a software intermediary that allows two applications to talk to each other.

 // API adalah akronim untuk Application

// API adalah akronim untuk Application Programming Interface, yang merupakan perantara perangkat lunak yang memungkinkan dua aplikasi untuk saling berbicara.

 Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.

// Setiap kali Anda menggunakan aplikasi seperti Facebook, mengirim pesan instan, atau memeriksa cuaca di ponsel Anda, Anda menggunakan API.



# What's a Graph API?

 The Graph API is the primary way for apps to read and write to the Facebook social graph.

// Grafik API adalah cara utama bagi aplikasi untuk membaca dan menulis ke grafik sosial Facebook.

 All of our SDKs and products interact with the Graph API in some way, and our other APIs are extensions of the Graph API, so understanding how the Graph API works is crucial.

// Semua SDK dan produk kami berinteraksi dengan API Grafik dalam beberapa cara, dan API kami yang lain adalah ekstensi dari API Grafik, jadi memahami cara kerja API Grafik sangat penting.

Tools

#### Graph API

Overview

Using the Graph API

FAQ

Reference

Webhooks

Advanced

Changelog

Server-Sent Events

#### Graph API

v3.2 The latest version is:

The Graph API is the primary way for apps to read and write to the Facebook social graph. All of our SDKs and products interact with the Graph API in some way, and our other APIs are extensions of the Graph API, so understanding how the Graph API works is crucial.

If you are unfamiliar with the Graph API, we recommend that you start with these documents:

#### Overview

Learn how the Graph API is structured, what access tokens are, and how versions work.

#### Using the Graph API

Learn how to perform common operations.

#### **Graph API Explorer**

Learn how to build gueries and receive responses from the Graph API with our Graph API Explorer app.

#### Reference

Learn how to read our reference documents so you can easily find what you're looking for.

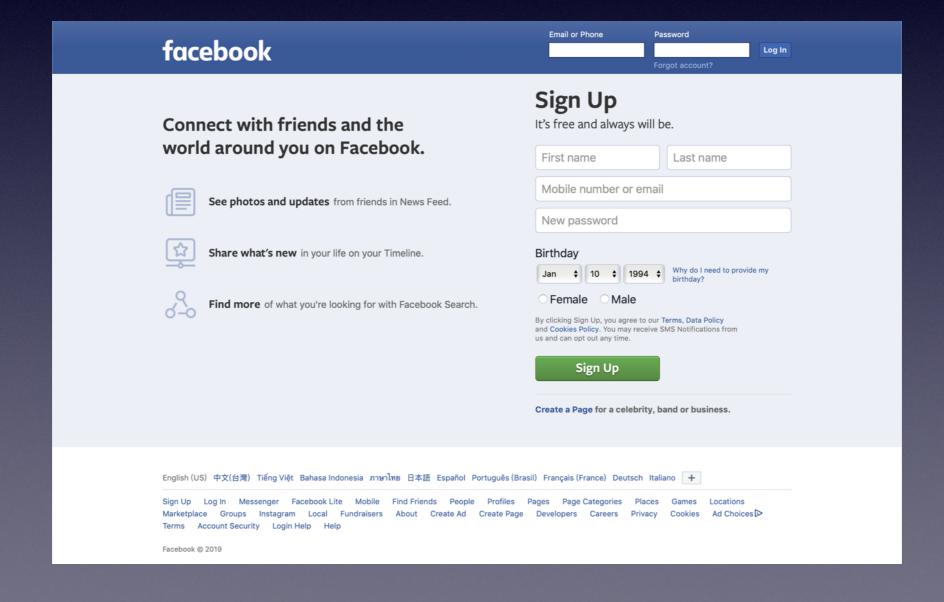
Once you're familiar with the basics, you can move on to more advanced topics like the ones below:

- Read our iOS, Android, JavaScript, PHP, or Third-party SDK documentation to learn how our SDKs interact with the Graph API.
- Browse our Advanced Topics which cover more complex operations like field aliasing, multiple requests, and asynchronous batch requests.
- Read our Upgrade Guide to learn how to upgrade to the latest version.

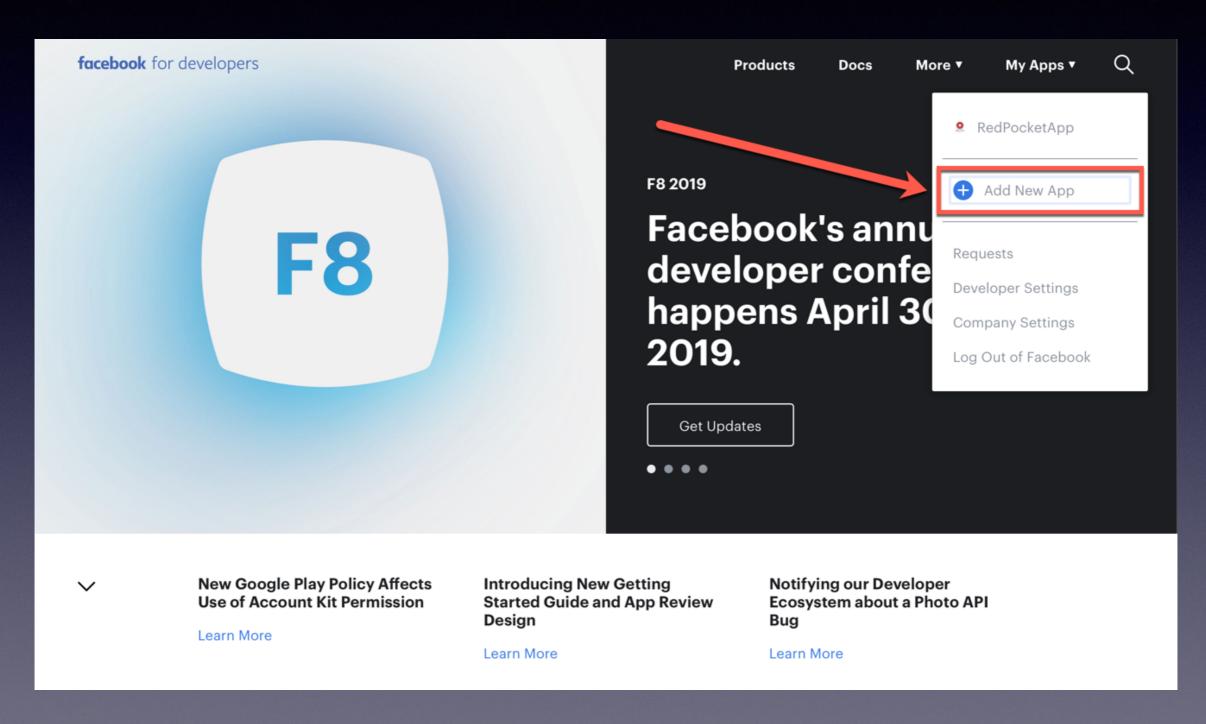


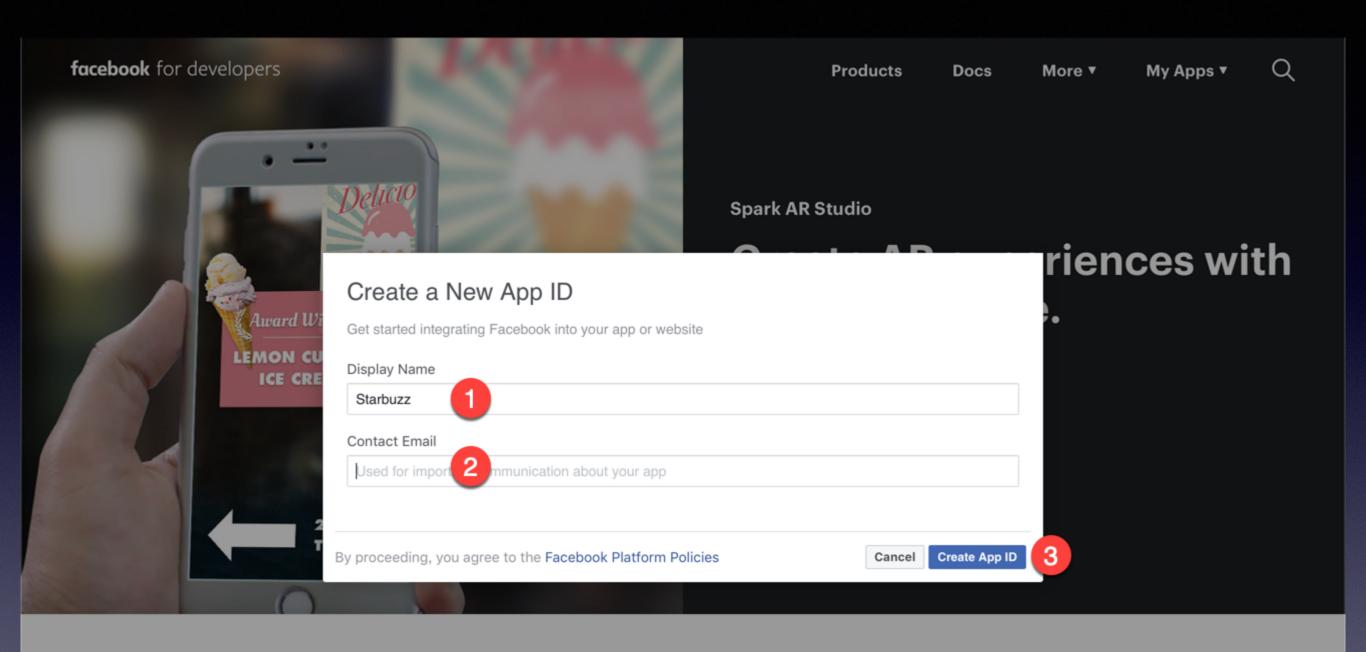
# Create a Facebook App

Log in Facebook (https://www.facebook.com)
 // Masuk Facebook



# Go to Facebook Developer > My Apps > Add New App





New Google Play Policy Affects Use of Account Kit Permission

Learn More

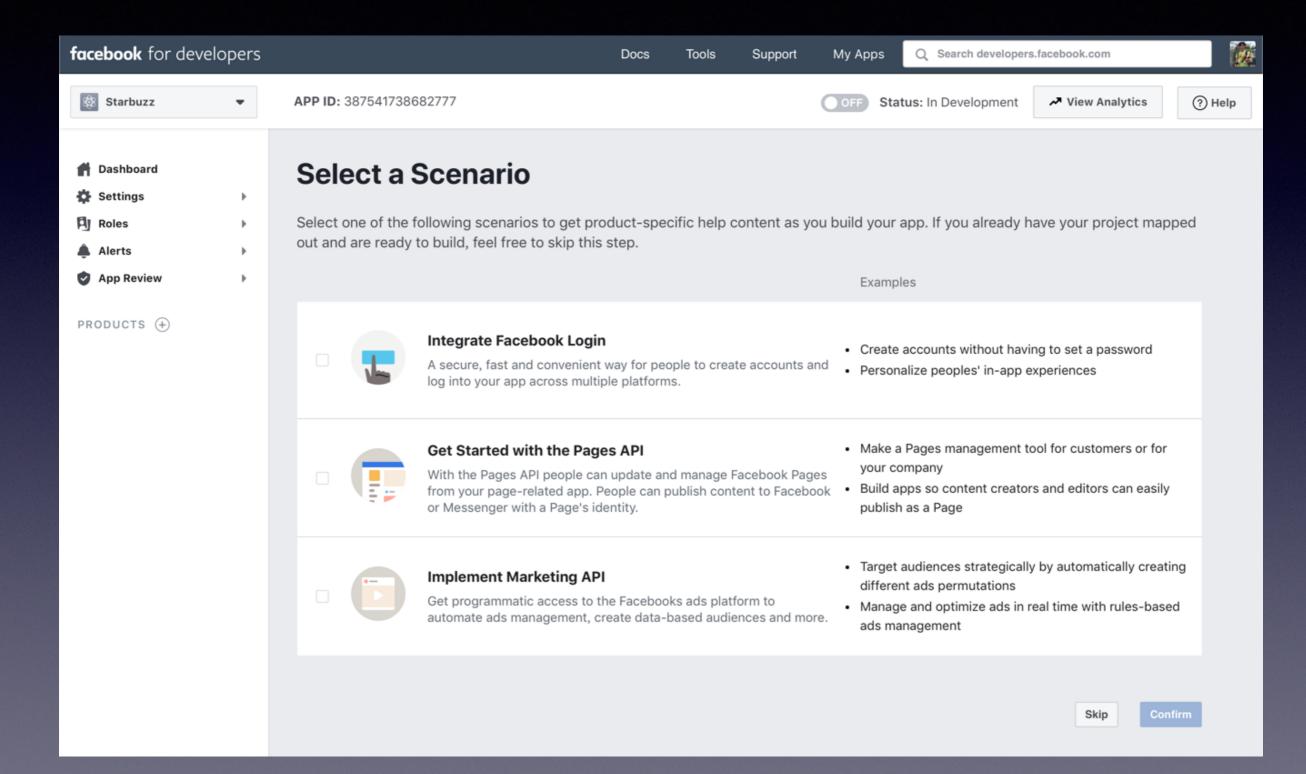
Introducing New Getting Started Guide and App Review Design

Learn More

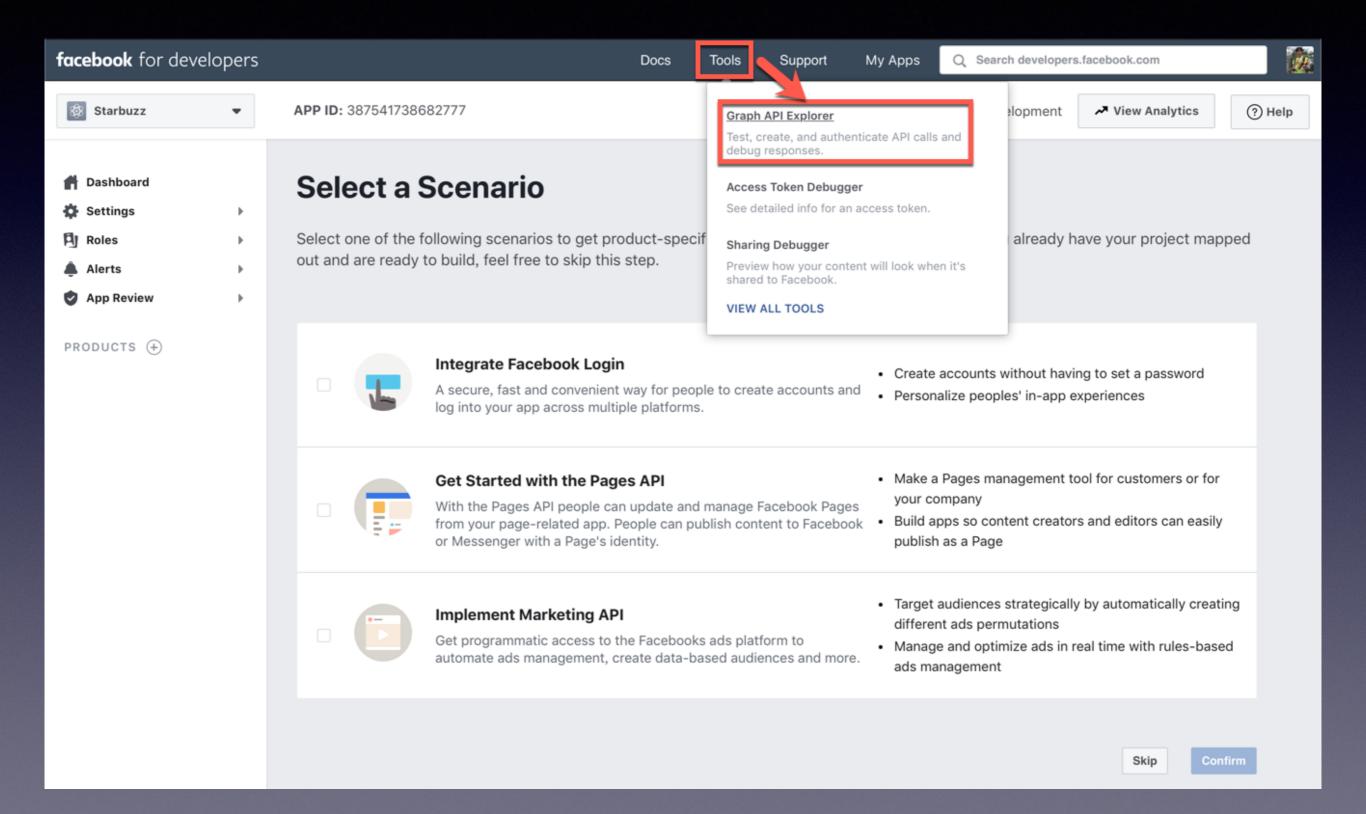
Notifying our Developer Ecosystem about a Photo API Bug

Learn More

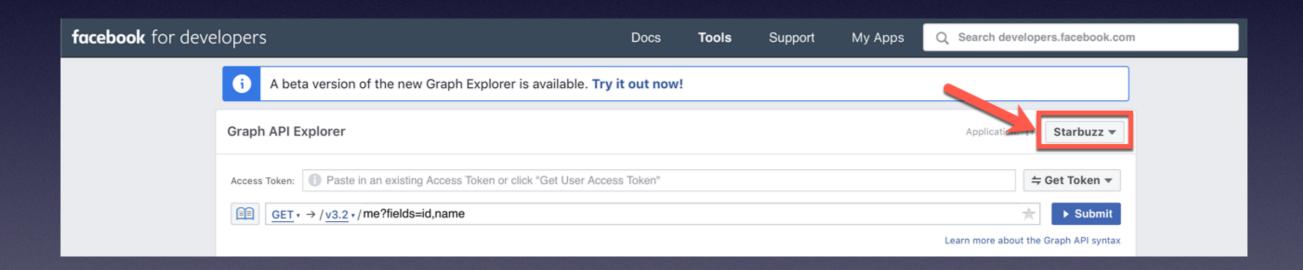
### Finish create Facebook App



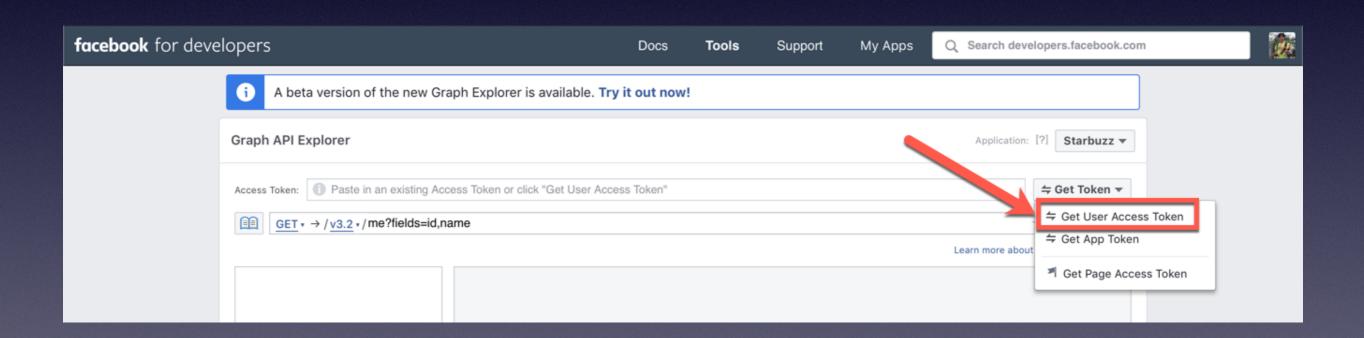
# Get Graph API Token



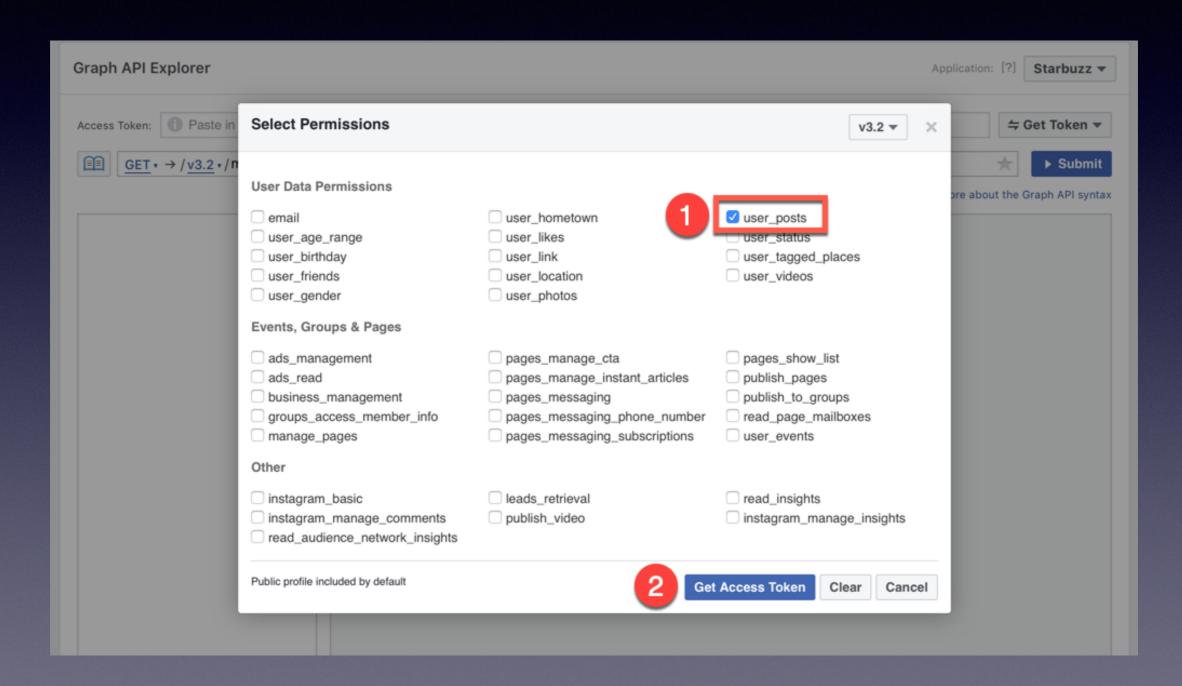
### Application choice "Starbuzz"



### • Get Token choice "Get User Access Token"



# User Data Permissions click "user \_posts" > click "Get Access Token" button





• • •

#### f 使用 Facebook 帳號登入





送交登入審查 以下某些權限已不再獲得 Facebook 批准使用。 立即提交審查或深入瞭解。



#### Starbuzz 將收到:

姓名和大頭貼照和動態時報貼文。



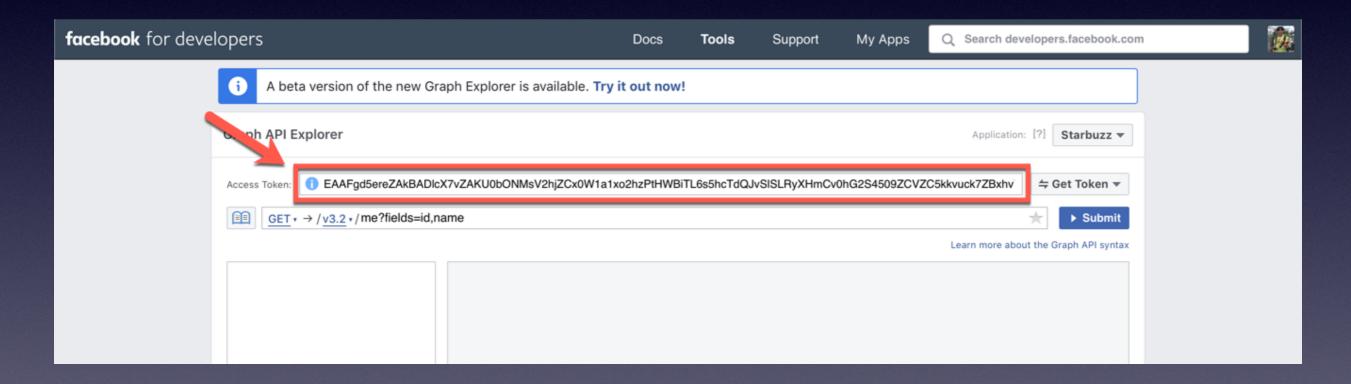
📝 編輯

#### 以 Brian 的身分繼續

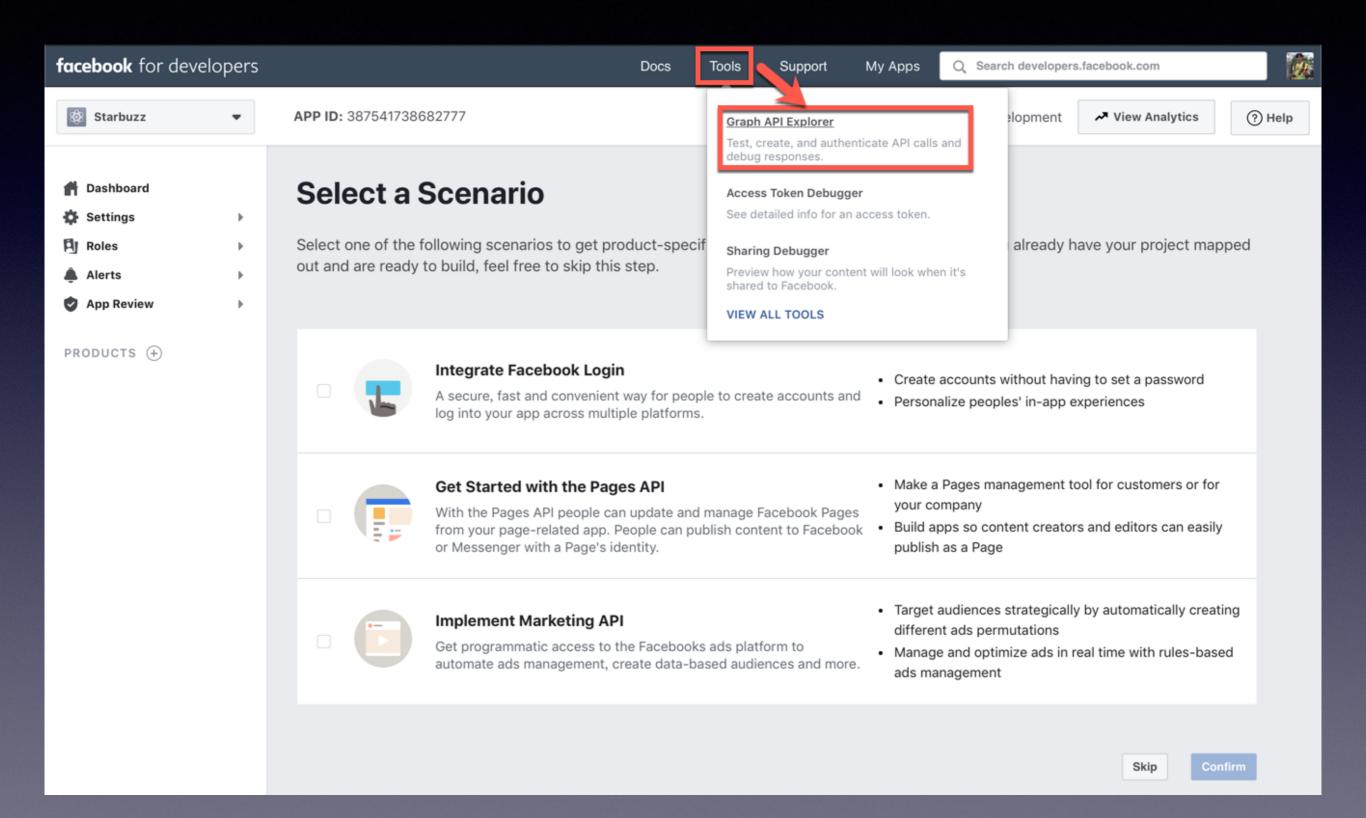
取消

△ 這不會讓應用程式在 Facebook 上發佈貼文

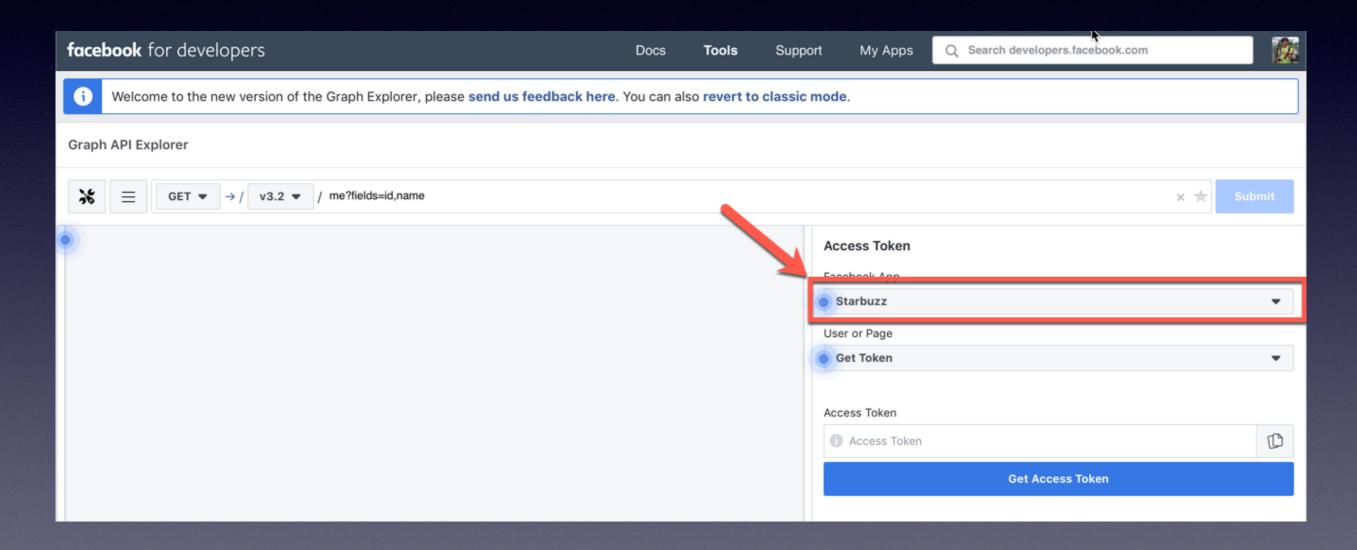
### Copy Access Token



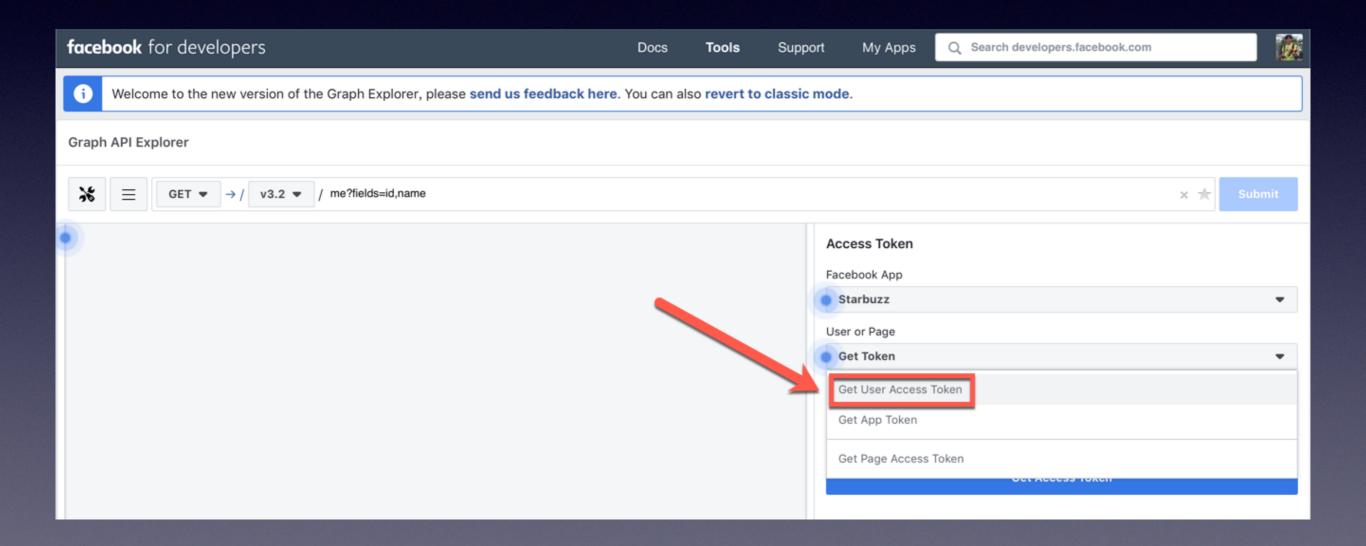
## Get Graph API Token (new)

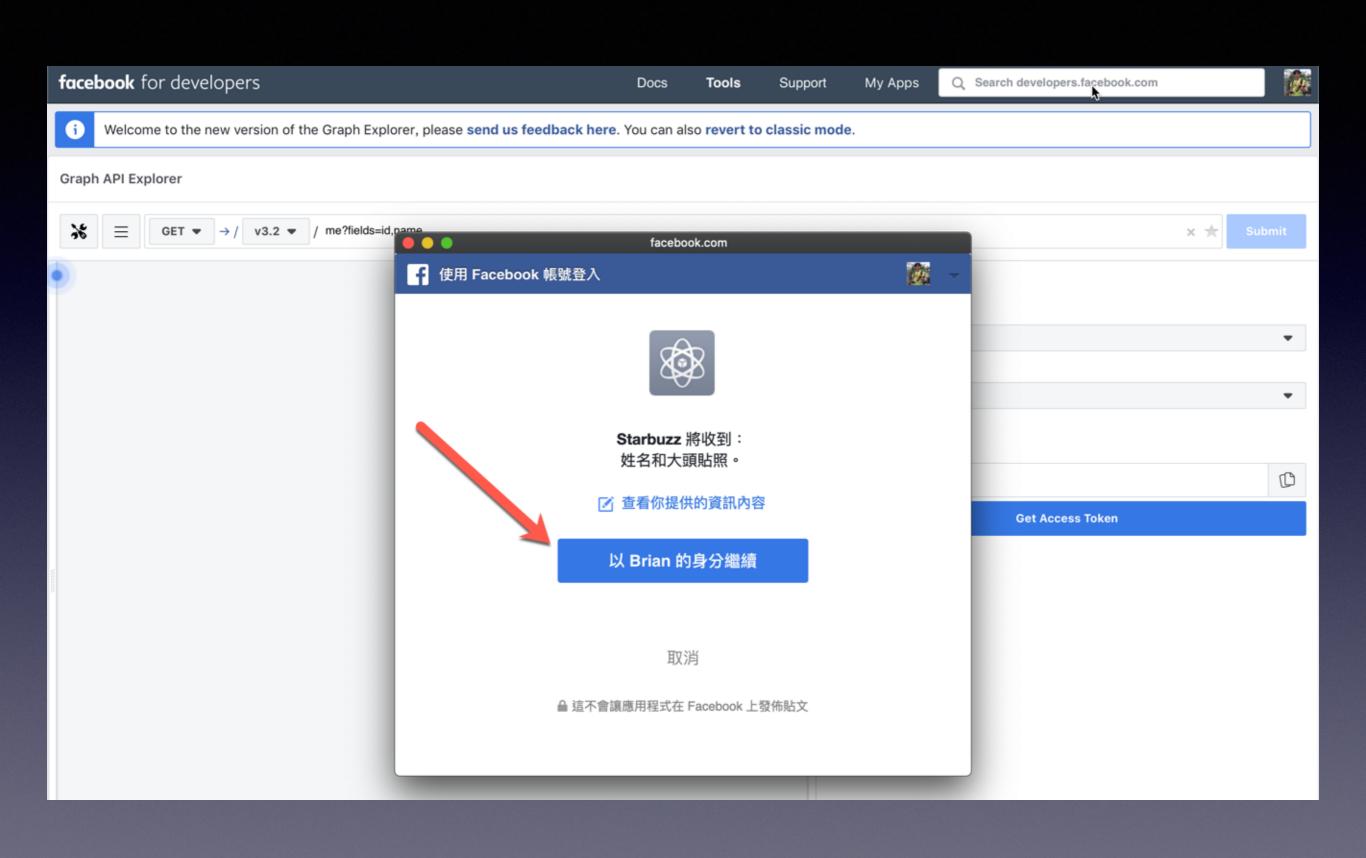


## • Facebook App choice "Starbuzz"

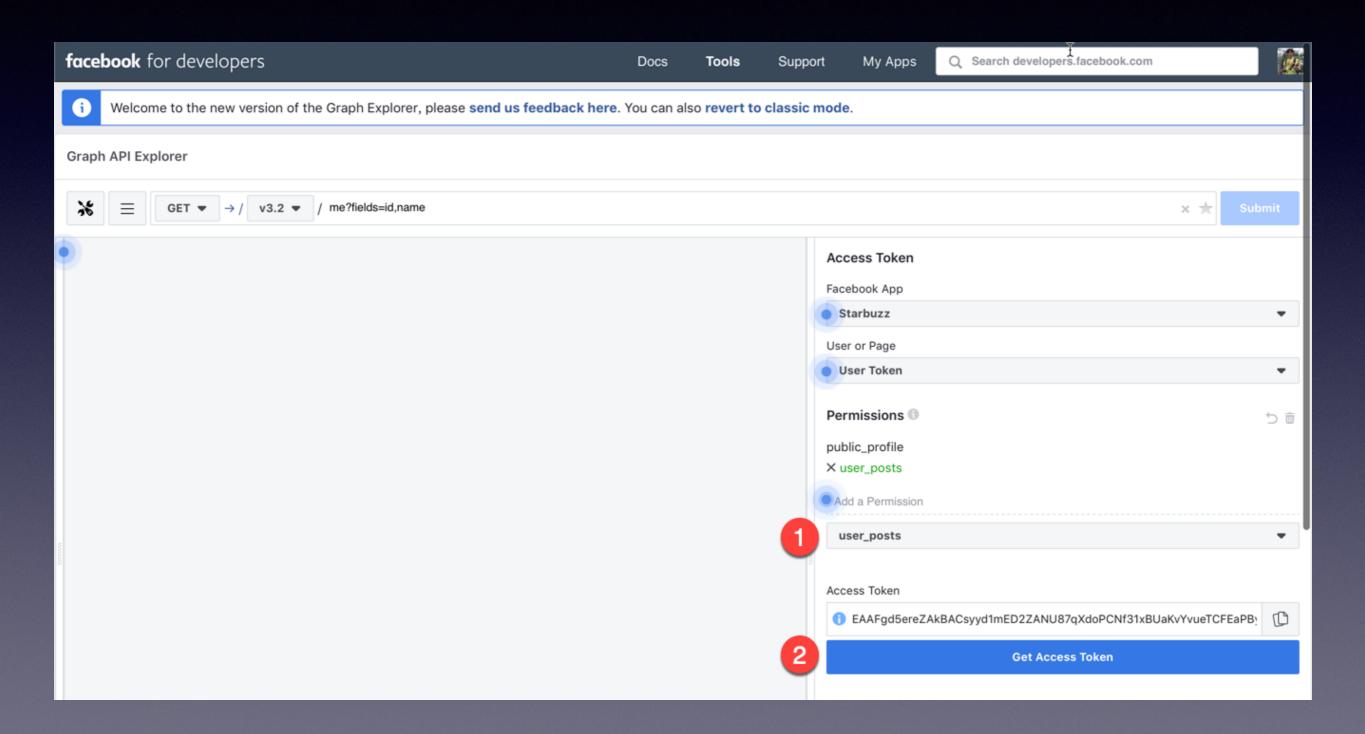


### User or Page choice "Get User Access Token"

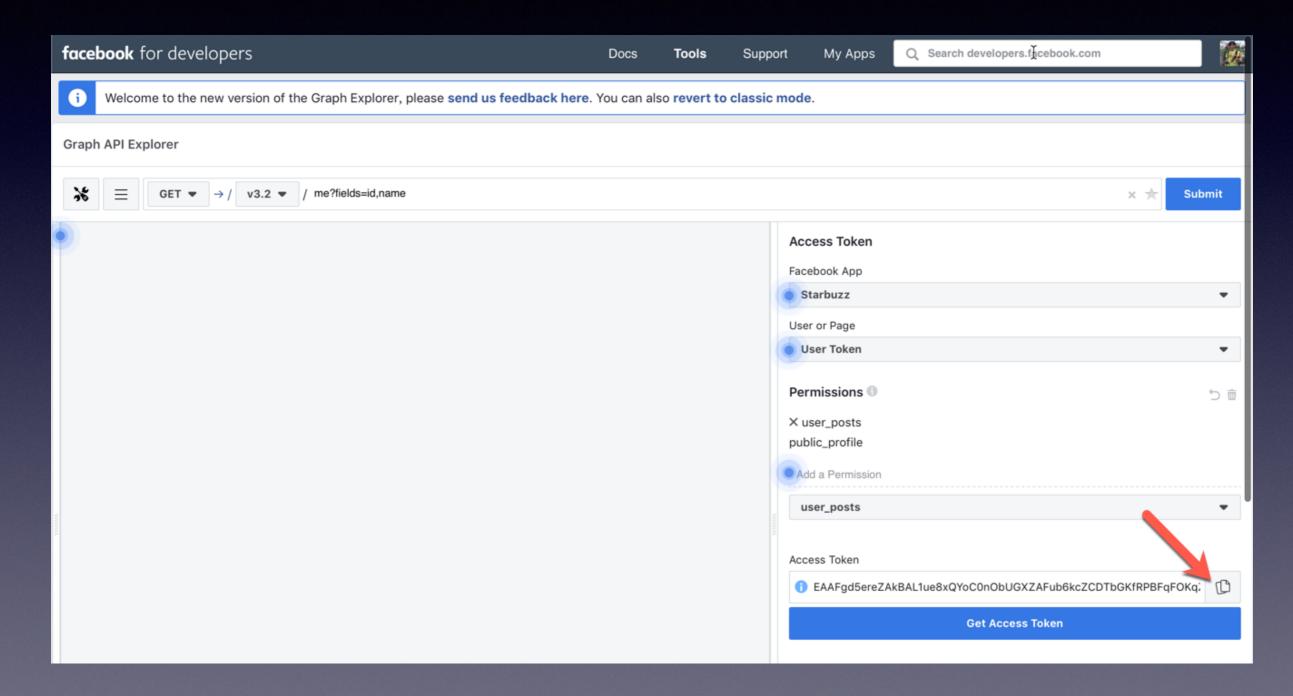




 Add a Permission choice User Data Permissions click "user \_posts" > click "Get Access Token" button

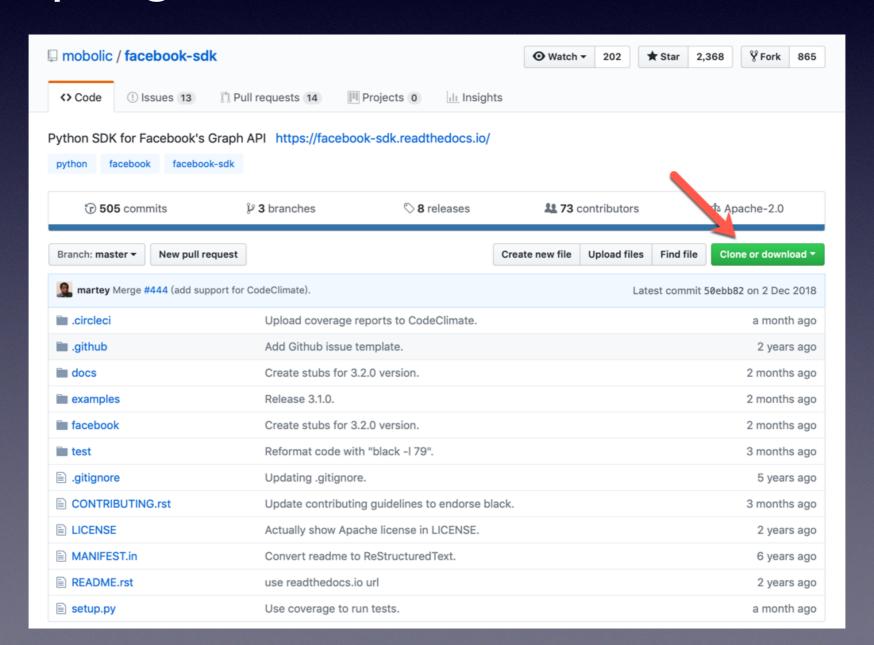


### Copy Access Token



## Download Facebook SDK for Python

https://github.com/mobolic/facebook-sdk



latest

Search docs

Installation

Integrating the SDK with Other Frameworks

Support & Development

**API Reference** 

Changelog

Waste less time data engineering! Sync | Ingest | Join

Free Open Source

d6t-python is a free library for solving common data engineering challenges

Sponsored · Ads served ethically

Docs » Facebook SDK for Python



#### **Facebook SDK for Python**

- Installation
  - Installing from Git
  - Installing a Released Version
- Integrating the SDK with Other Frameworks
  - Flask
  - Google App Engine
  - Tornado
- Support & Development
  - Mailing List
  - Reporting Bugs
- API Reference
  - class facebook.GraphAPI
- Changelog
  - Version 3.2.0 (unreleased)
  - Version 3.1.0 (2018-11-06)
  - Version 3.0.0 (2018-08-08)
  - Version 2.0.0 (2016-08-08)
  - Version 1.0.0 (2016-04-01)
  - Version 0.4.0 (2012-10-15)
  - Version 0.3.2 (2012-07-28)
  - Version 0.3.1 (2012-05-16)

This client library is designed to support the Facebook Graph API and the official Facebook JavaScript SDK, which is the canonical way to implement Facebook authentication. You can read more about the Graph API by accessing its official documentation.

Next 🖸

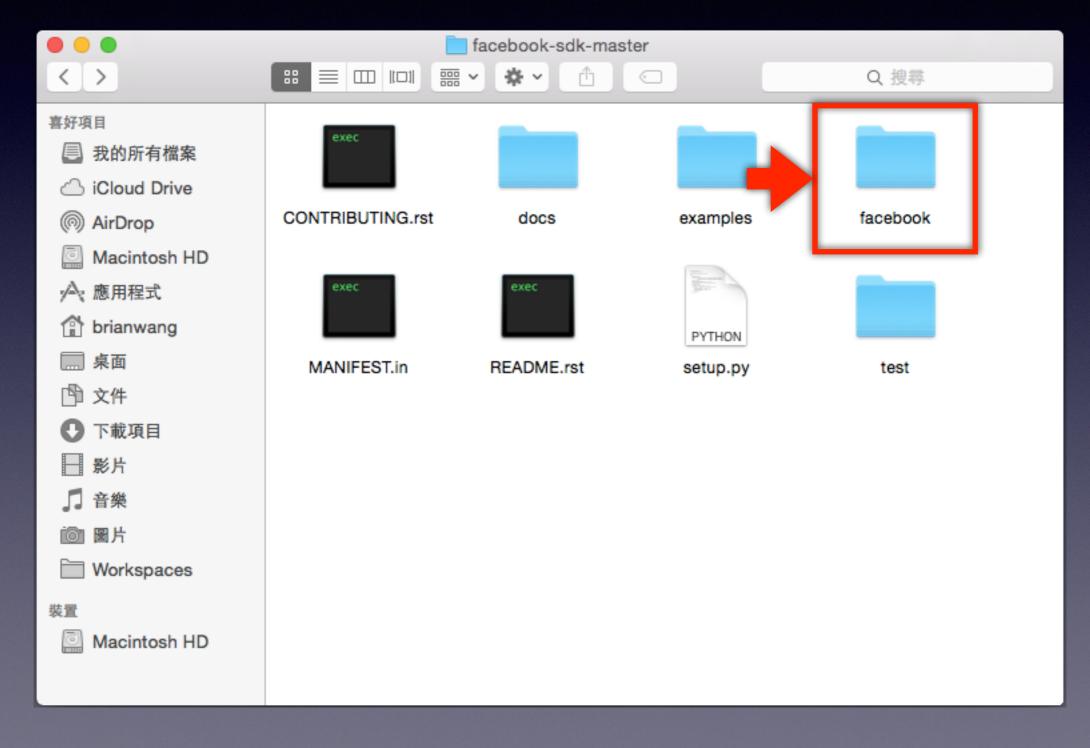


v: latest 🔻

## Create Facebook Demo Project

- Create a "FacebookDemo" folder
- Create a "FacebookPost.py" file
- Unzip facebook-sdk

 Copy facebook-sdk-master > Facebook sub folder to FacebookDemo



```
import facebook
 1
 2
    access_token = "EAAFgd5ereZAkBAAjnoYMcAc7MnkQcDi0ViGfoNs5syZA6ZBHkuZCr0eacCaNnHCRJ880de56HN4FeZBr2htrtWlKJl2PpKbm9GfTpcFwVzXEFC
 3
 4
    def main():
 5
      api = get_api()
 6
      msg = "Hello, world!"
 7
      status = api.put_object(parent_object = 'me', connection_name = 'feed', message = msg)
 8
9
      print(status)
10
11
12
    def get_api():
13
      graph = facebook.GraphAPI(access_token)
14
      return graph
15
16
    if __name__ == "__main__":
17
      main()
```

## Create Starbuzz Project

- Create a "Starbuzz" folder
- Create a "Starbuzz.py" file
- Unzip facebook-sdk

```
import urllib.request
    import time
    import facebook
 4
 5
    access_token = "EAAFgd5ereZAkBAAjnoYMcAc7MnkQcDi0ViGfoNs5syZA6ZBHkuZCr0eacCaNnHCRJ880de56HN4FeZBr2htrtWlKJl2PpKbm9GfTpcFwVzXEFC
6
 7
    def get_facebook_api():
      graph = facebook.GraphAPI(access_token)
 8
9
      return graph
10
11
    def send_to_facebook(msg):
12
            api = get_facebook_api()
13
             status = api.put_object(parent_object = 'me', connection_name = 'feed', message = msg)
14
15
            print(status)
16
    def get_price():
17
      page = urllib.request.urlopen("http://beans-r-us.appspot.com/prices.html")
18
19
      text = page.read().decode("utf8")
20
21
      where = text.find(">$")
22
      start_of_price = where + 2
23
      end_of_price = start_of_price + 4
24
25
      return float(text[start_of_price:end_of_price])
26
27
    def main():
      price_now = input("Do you want to see the price now (Y/N)? ")
28
29
30
      if price_now == "Y":
31
        send_to_facebook("Current price of coffee beans = $" + get_price())
32
      else:
33
        price = 99.99
34
35
        while price > 4.74:
36
          time.sleep(900)
37
38
          price = get_price()
39
40
         send_to_facebook("Buy!")
41
42
    if __name__ == "__main__":
43
      main()
```