
Evernote to Blogger APIs 串接經驗分享

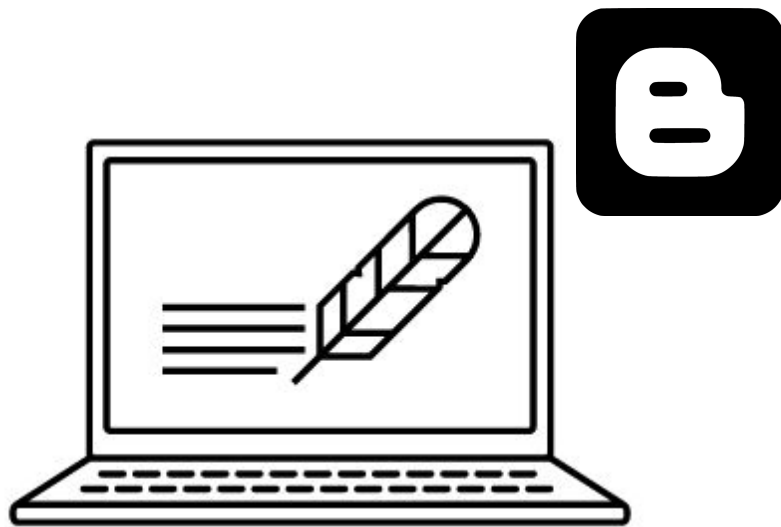
— Siyuan Wang —
<http://twsiyuan.com>

About me

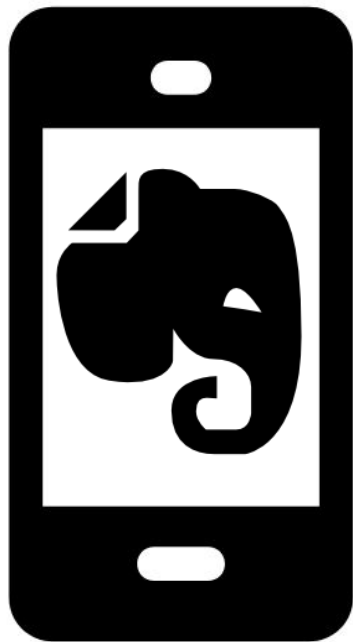
- 王思元
- Gambling game company
-
- Golang experience 1y+
- Develop game server using golang
- Integrate math C++ core using cgo
- Build several helper cli program using golang cli
-
- More info., see <http://twsiyuan.com>



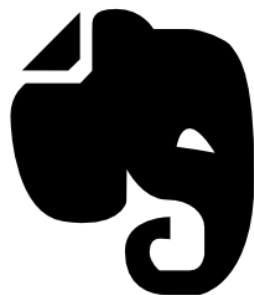
為什麼做了這個 side project？



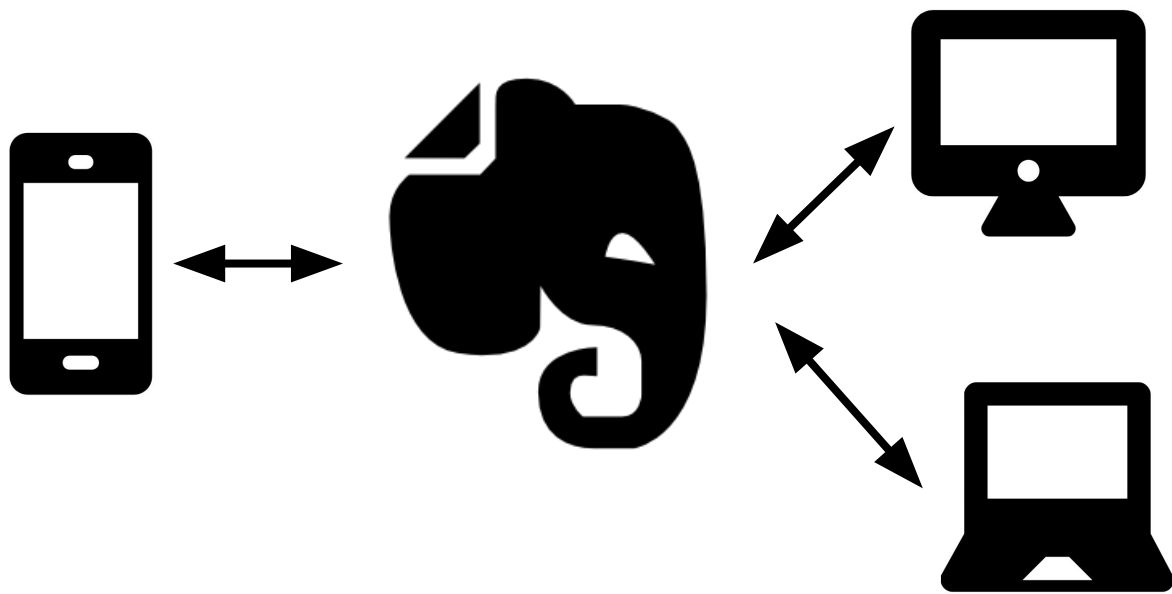
我有一個部落格 @Blogger



我都使用手機在 Evernote 寫草稿



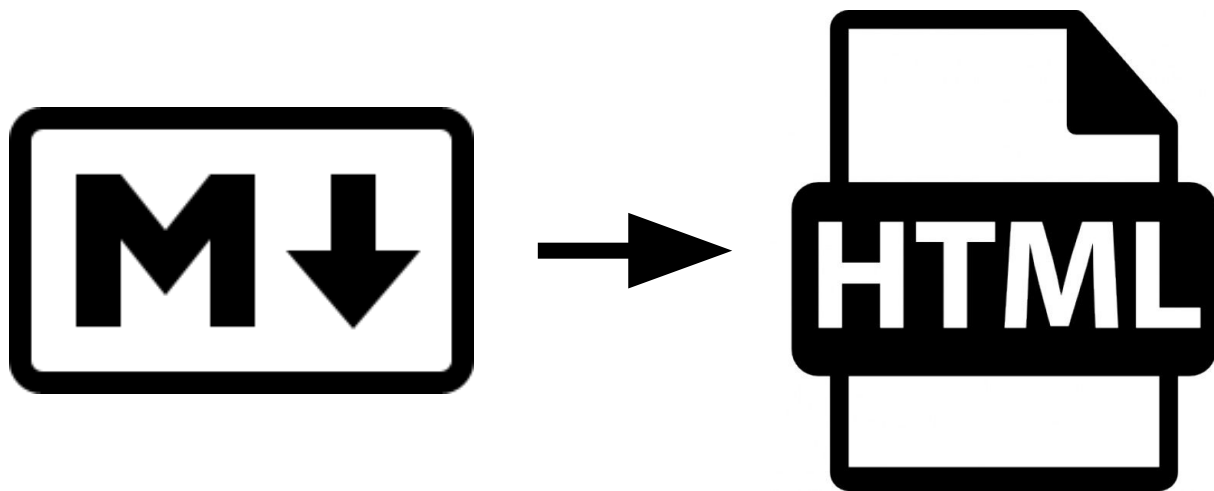
Evernote 是一本筆記軟體



它可以同步草稿到各個裝置



但每次發佈文章前，需要手動將草稿進行加工

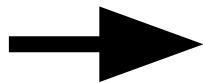


將 Markdown 草稿轉成 HTML

Welcome to **GTG**

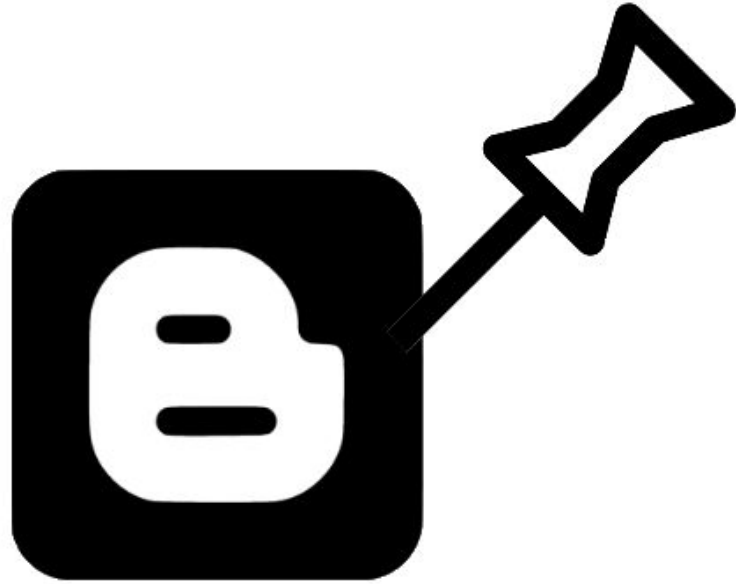
![GTG](images/gtg.jpg)

- [GTG #24](meetup/gtg24)
- [GTG #23](meetup/gtg23)

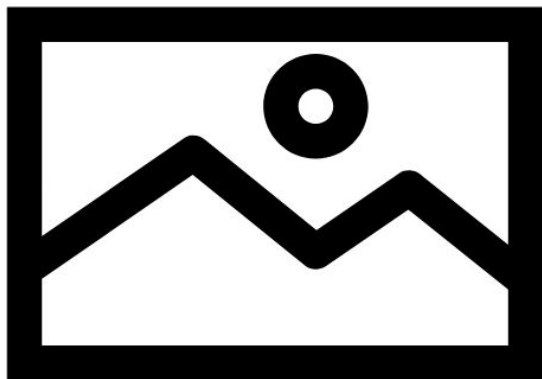


```
<p>Welcome to <strong>GTG</strong></p>
<p></p>
<ul>
<li><a href="meetup/gtg24">GTG #24</a></li>
<li><a href="meetup/gtg23">GTG #23</a></li>
</ul>
```

Markdown 是一種輕量級標記式語言



再貼到 Blogger 發佈管理系統



- **Export**
- **Rename**
- **Convert format**
- **Upload**

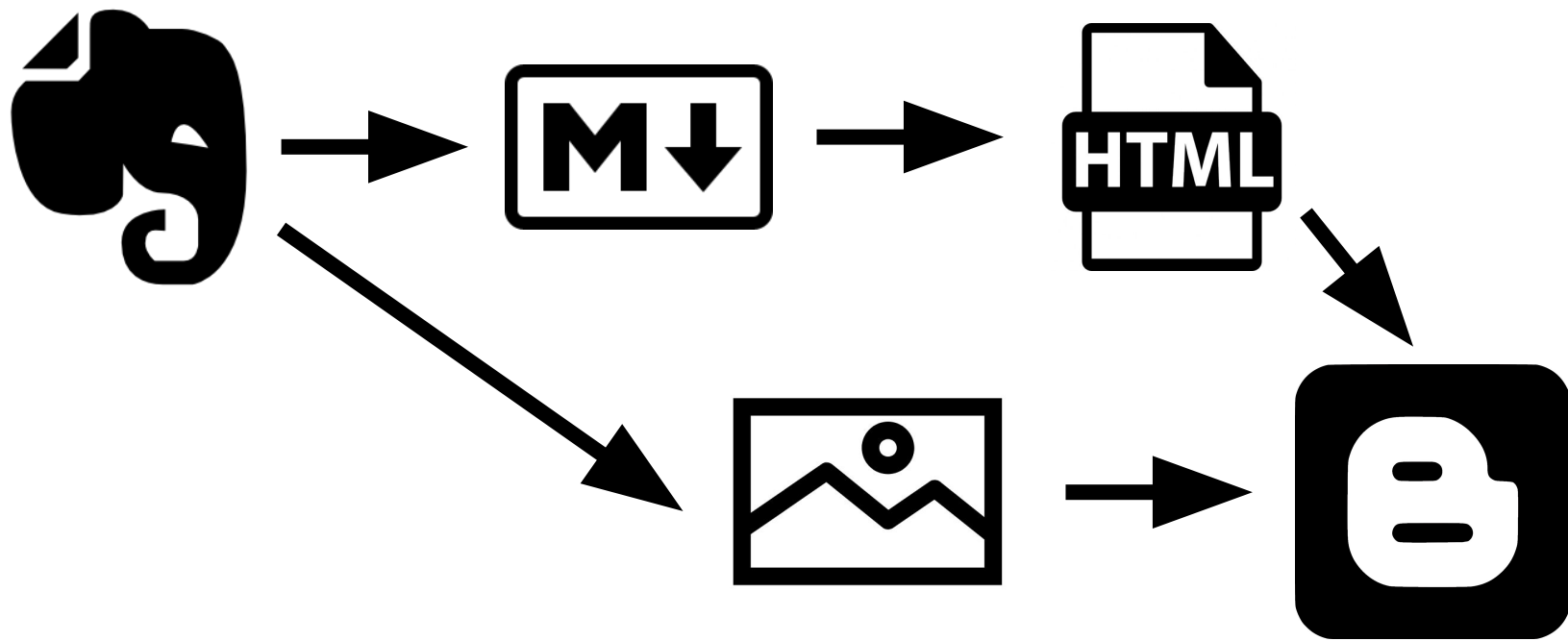
圖片也得額外處理進行上傳



這實在是很麻煩



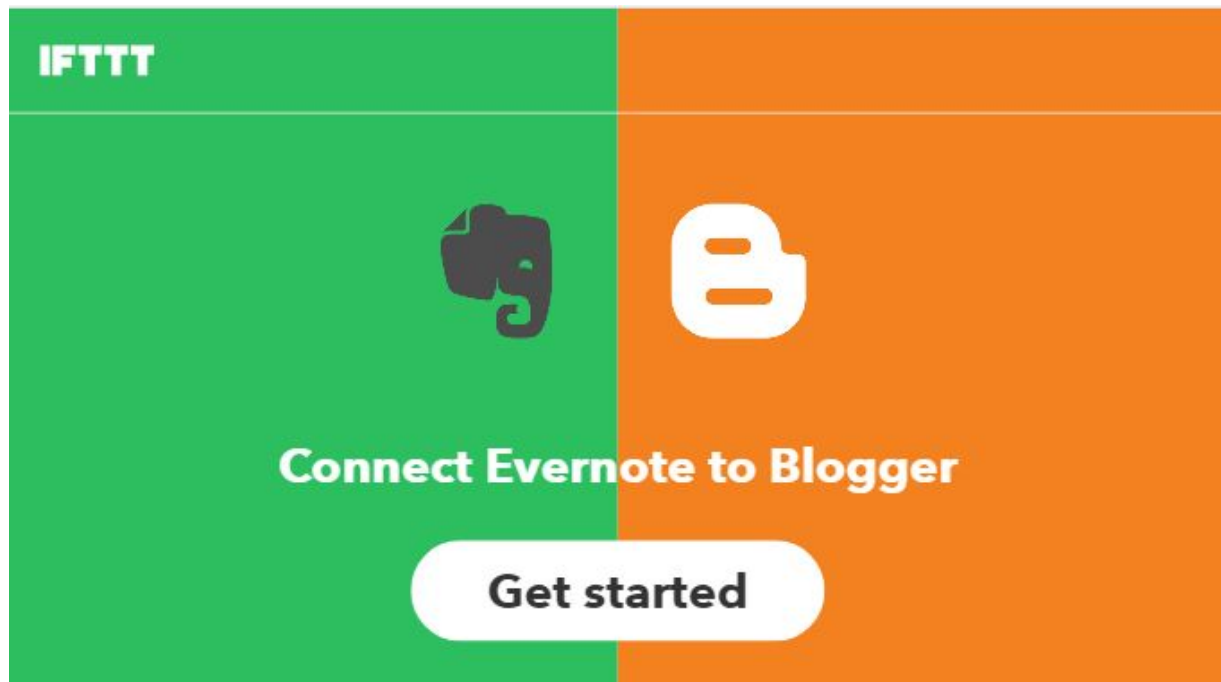
有沒有辦法自動化？



一鍵發佈文章



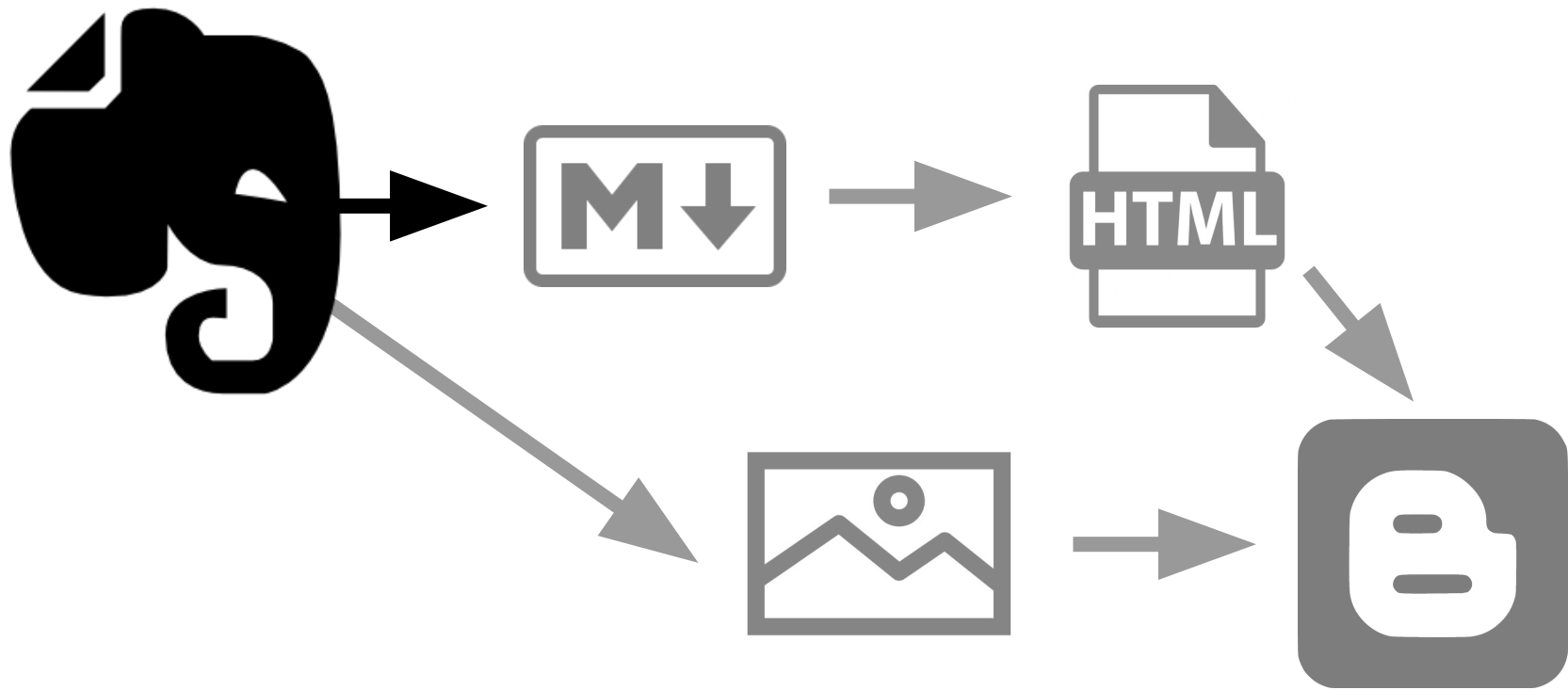
有沒有現成的服務？



但不符所需



只好自己用 Golang 自幹了



回到流程思考，怎麼從 Evernote 抓筆記



Evernote Developer Documentation

Everything you need to know when working with the Evernote API.

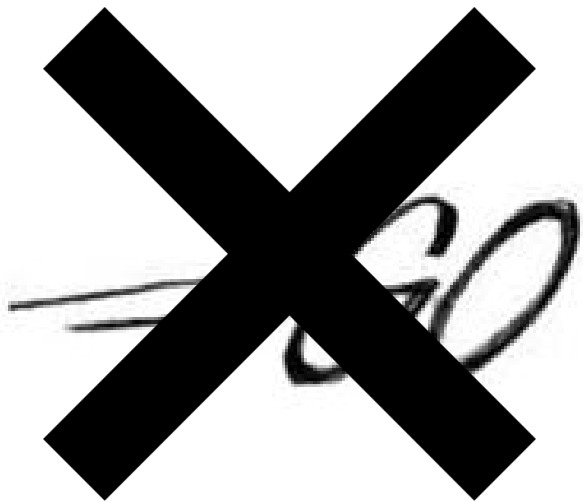
The documentation is organized into three major areas:

- Our **Quick-start guides** will show you how to install and configure the Evernote SDK for your chosen language or platform.
- The **topical Articles** describe individual concepts or functions used when interacting with the Evernote API. You'll probably spend the majority of your time reading these, as they make up the majority of our documentation. They are organized into sections by general topic.
- Finally, the **API Reference** contains a comprehensive listing of all types, functions and enumerations exposed by the API.

Note: You'll need to create an account on our [development server](#).

🔑 GET AN API KEY

有沒有 Evernote for golang SDK?



Current SDKs

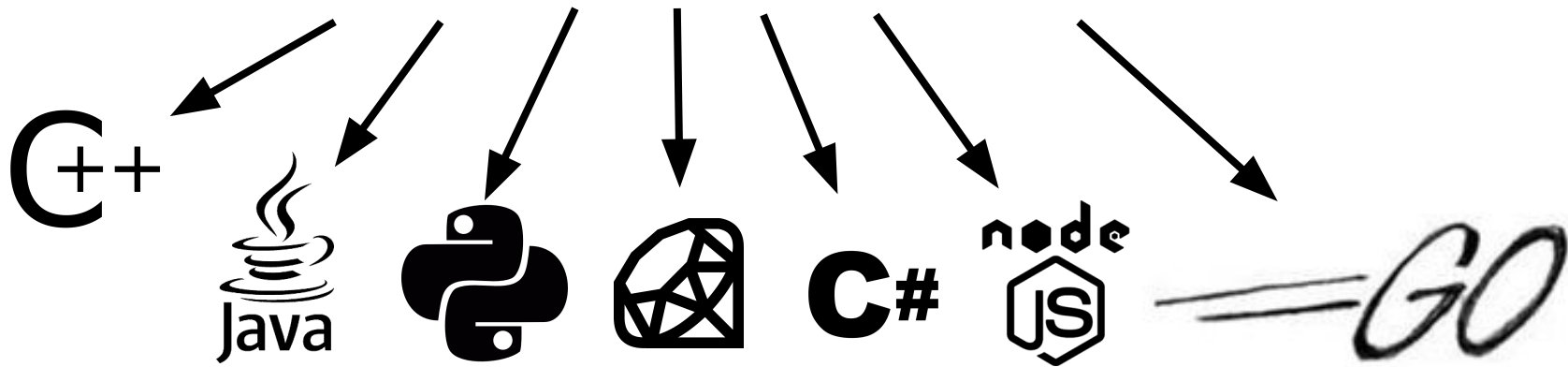
- Python
- JavaScript
- PHP
- Ruby
- Java
- Perl
- C++...

沒有！



但找到 [Evernote-thrift](#)

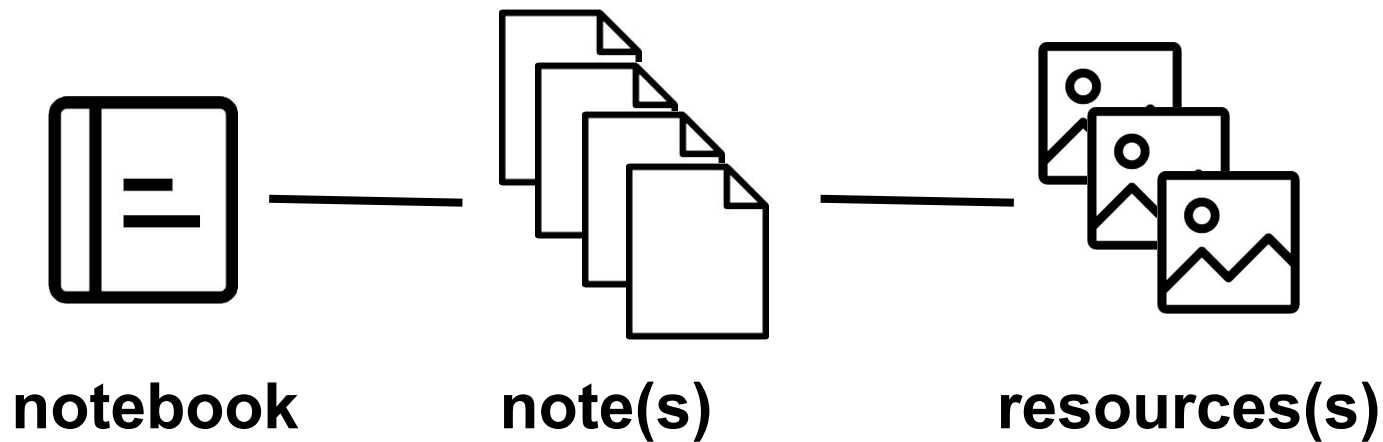
Apache Thrift™



Cross-language binary RPC code generation
engine



So generated an Evernote-SDK for go lang
using thrift



了解 Evernote 資料結構



gtg)

- [Golang Taiwan Gathering #24](meetup/gtg24) (2017/05/23)
- [Golang Taiwan Gathering #23](meetup/gtg23) (2017/04/18)

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!DOCTYPE en-note SYSTEM "http://xml.evernote.com/pub/enml2.dtd">
```

```
<en-note>
```

```
  <div>Welcome to&nbsp;Golang Taipei Gathering</div>
```

```
  <div>![GTG](
```

```
  <div><br/></div>
```

```
  <div>- [Golang Taiwan Gathering #24](meetup/gtg24) (2017/05/23)</div>
```

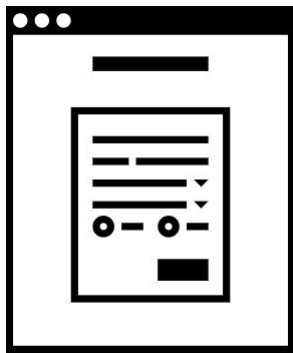
```
  <div>- [Golang Taiwan Gathering #23](meetup/gtg23) (2017/04/18)</div>
```

```
</en-note>
```

了解 Evernote 筆記格式 (HTML)



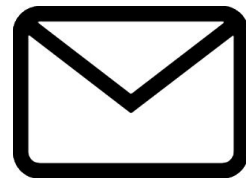
我們需要取得 Access Token



申請
API Key



Activation
request



人工審核
申請通過

取得 OAuth API Key 憑證
(for Production environment)

**User's
Browser**

**Go Http
Server**

**Evernote
Server**

GET

/evernote/login



User's Browser

Go Http Server

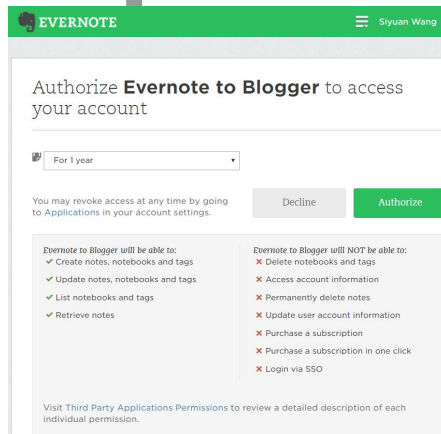
Evernote Server

GET

/evernote/login

REDIRECT

{oauth_uri} with
request token



User's Browser

Go Http Server

Evernote Server

GET

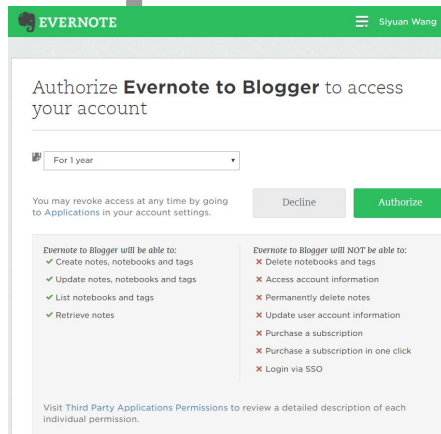
/evernote/login

REDIRECT

{oauth_uri} with
request token

REDIRECT

user accetped, {redirect_uri} with verifier



User's Browser

Go Http Server

Evernote Server

GET

/evernote/login

REDIRECT

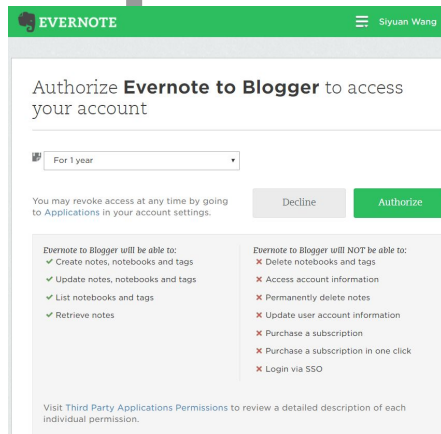
{oauth_uri} with
request token

REDIRECT

user accetped, {redirect_uri} with verifier

GET

{redirect_uri} with verifier



User's Browser

Go Http Server

Evernote Server

GET

/evernote/login

REDIRECT

{oauth_uri} with
request token

REDIRECT

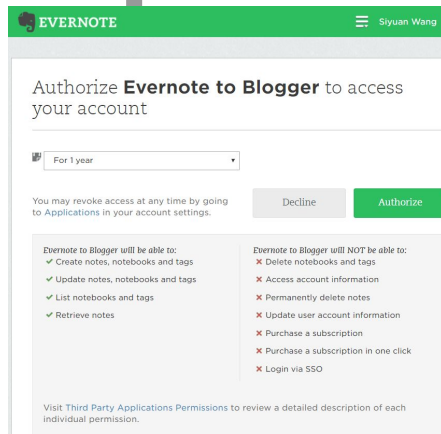
user accetped, {redirect_uri} with verifier

GET

{redirect_uri} with verifier

GET

exchange for access token



User's Browser

Go Http Server

Evernote Server

GET

/evernote/login

REDIRECT

{oauth_uri} with
request token

REDIRECT

user accetped, {redirect_uri} with verifier

GET

{redirect_uri} with verifier

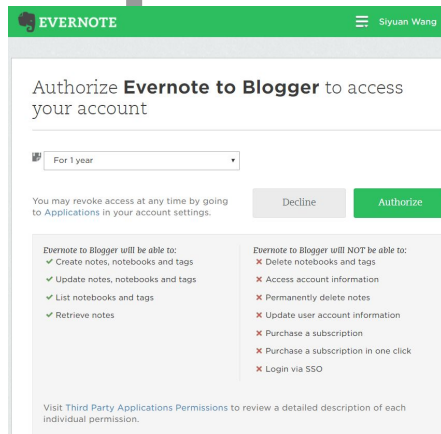
GET

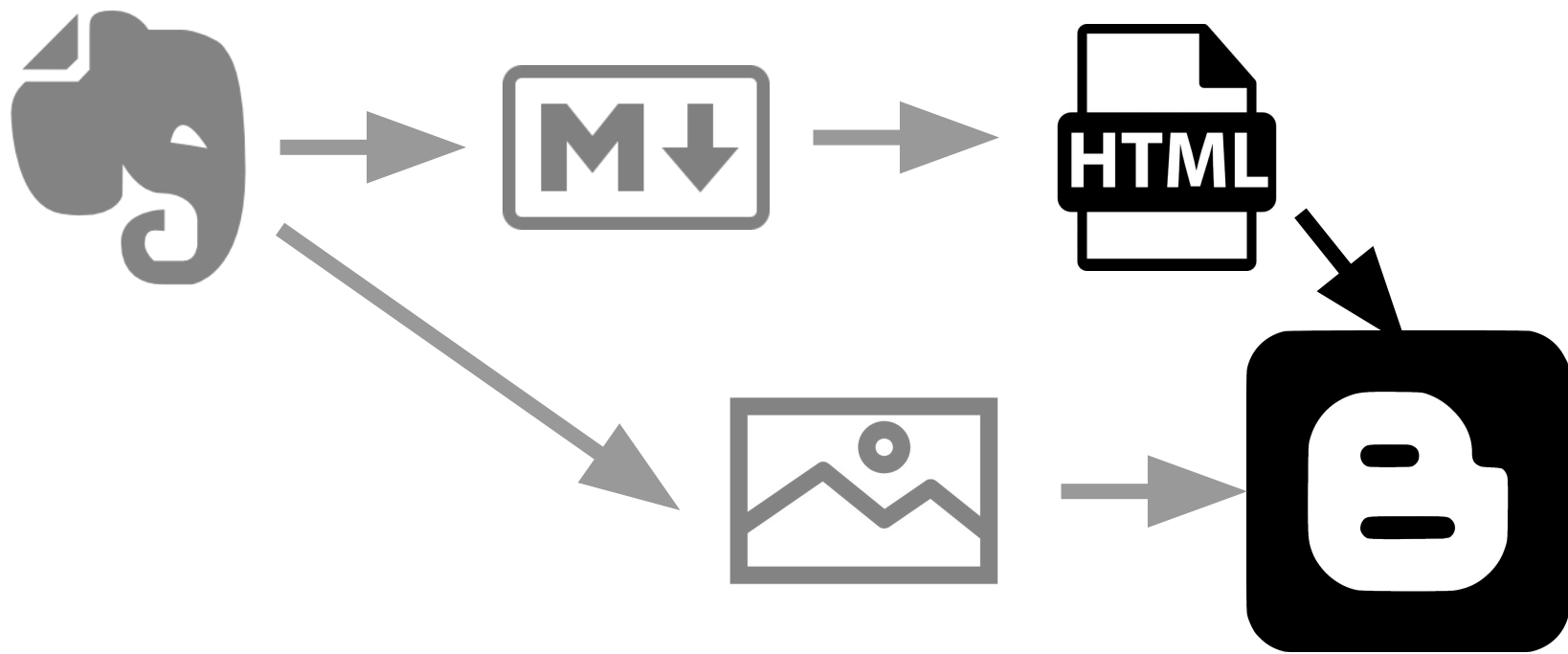
exchange for access token

REDIRECT

access token

**OAUTH
COMPLETED**

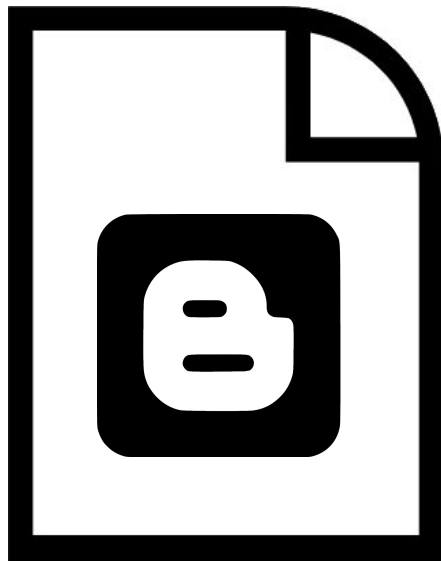




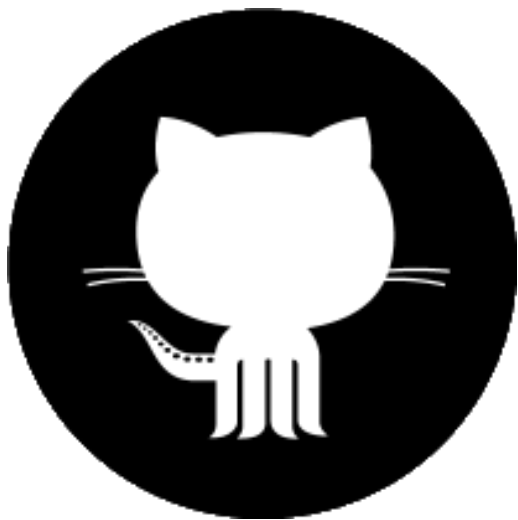
接下來，怎麼張貼文章到 Blogger？



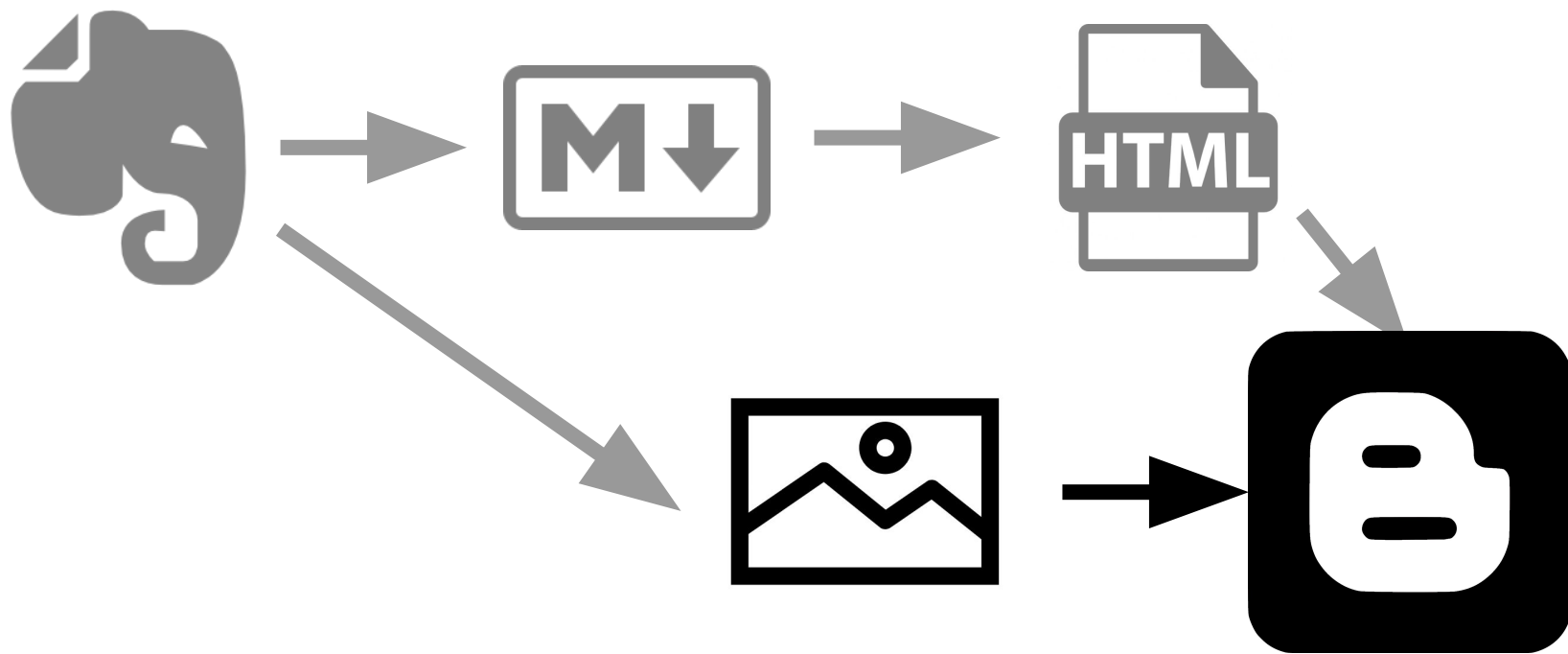
Blogger



有文件 [Google Blogger v3 API](#)



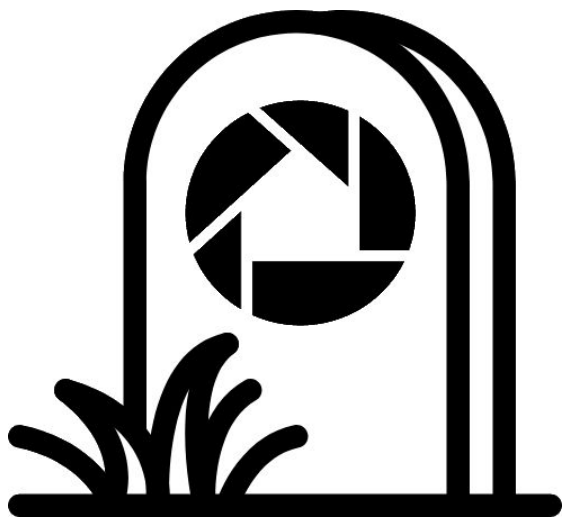
在 Github 上能夠找到 [Google API for go client](#)



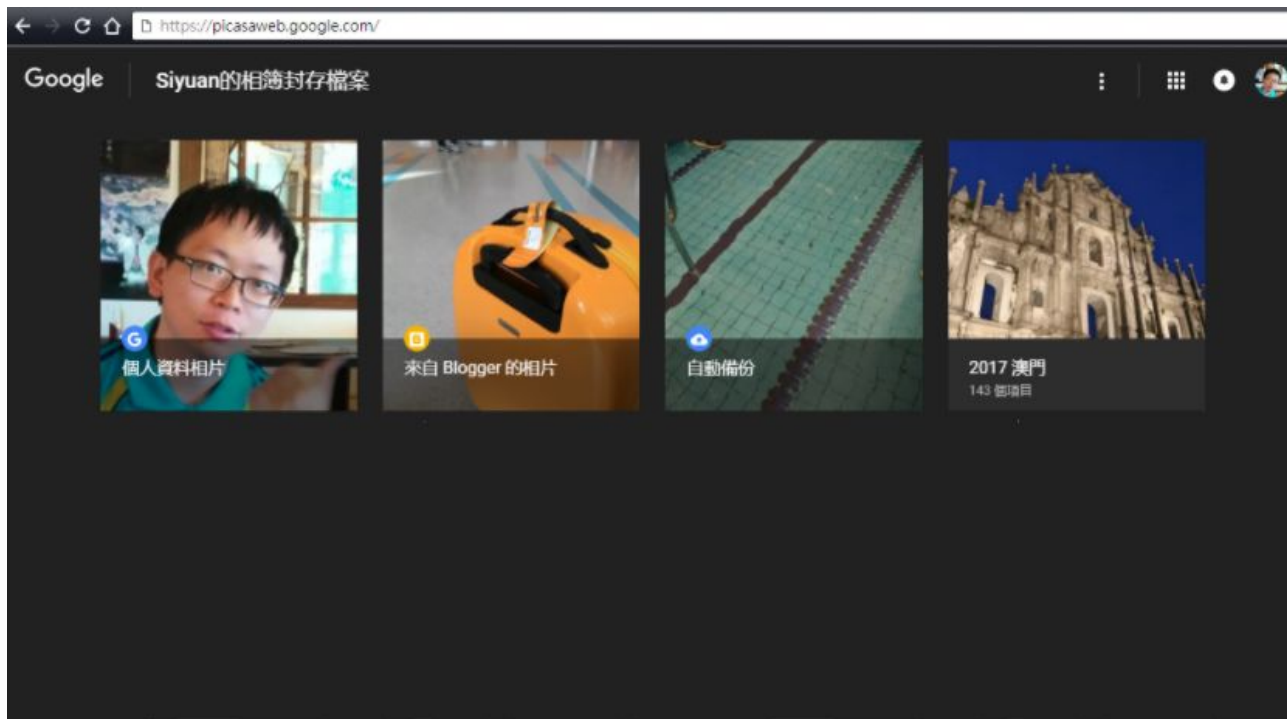
上傳圖片到 Blogger？



Blogger 的圖床 (image hosting) 是 Picasa




但是 Picasa 不是去年 (2016) 就收起來了嗎？ [\[0\]](#)



但 picasaweb 還是可以抓到舊的圖片

← Google

來自 Blogger 的相片

 上傳至 Blogger 的相片和影片



思元的寫作練習
641 個項目



思元的開發筆記
107 個項目



Siyuan IO
79 個項目



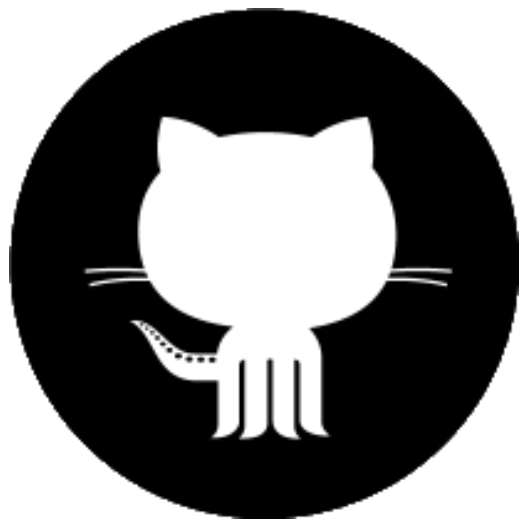
Blogger Pictures
7 個項目

你已經看完了所有的訊息

而且 Blogger 上傳的圖片都在這裡



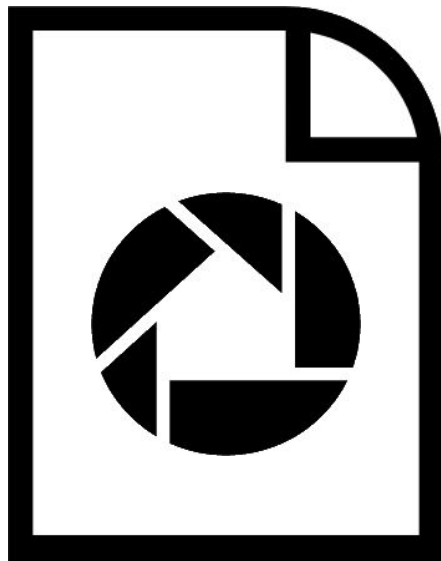
Picasa Web Albums Data API 還可以有限度運作,
but no golang SDK



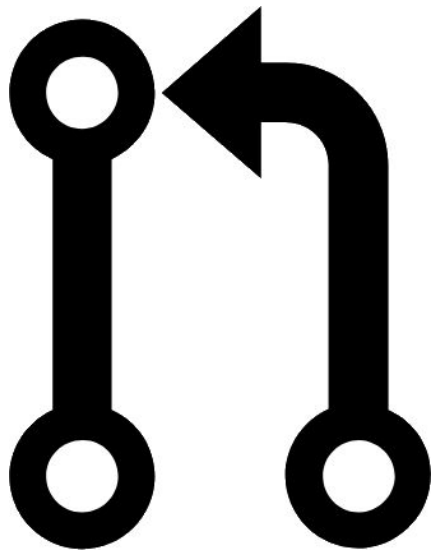
有看到 github.com/tgulacsi/picago, 實做部分
Picasa API SDK for golang, 沒有上傳圖片



Picasa Web Albums Data API



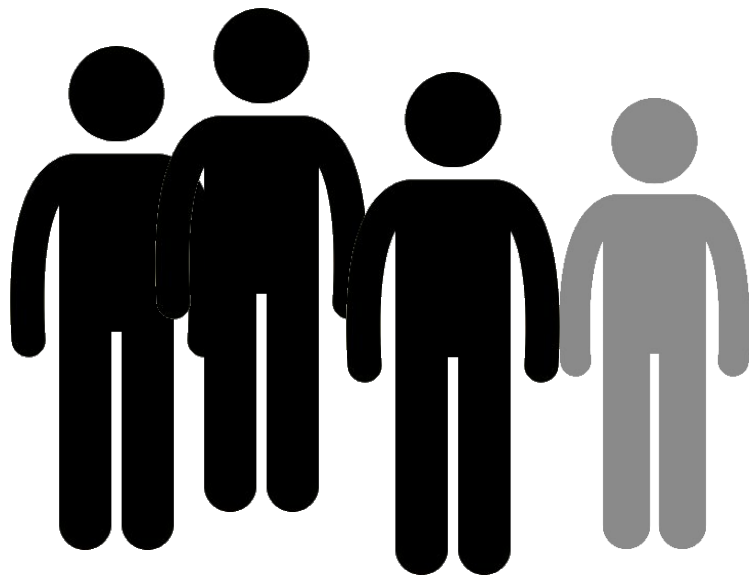
參考 [Protocol文件](#)，沒那麼優雅的建置上傳功能



嘗試建立第一次的 PR (Pull request)



跟原作者 tgulacsi [討論](#)實作與 Coding style



意外成為其中的 Contributors



同樣的問題 Access Token, OAuth2 ?

Google API OAuth2 preparation

- [Google APIs](#) 建立新專案
- 設定啟用的 API (Scope): Blogger API v3
- 建立 OAuth 2.0 client 憑證
 - Client ID & Client Secret

User's
Browser

Go
Server code

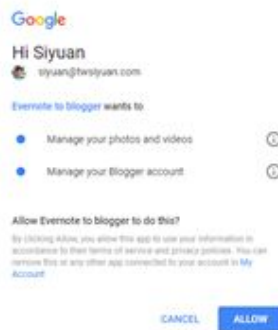
Google
API

GET

Visit /blogger/login

REDIRECT

Build authorization request and
redirect to `authCodeUrl` (dialog)



REDIRECT

User accepts auth and is send to `redirect_uri`
with `code` parameter

GET

`redirect_uri` with `code`
parameter

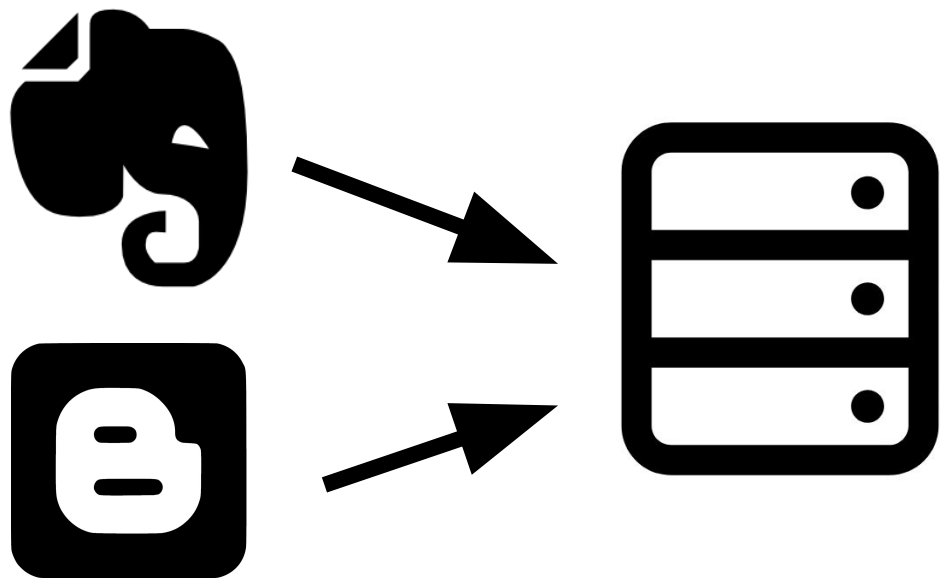
GET

Exchange `code` for `access token`

AUTH
COMPLETE

RESPONSE

`access token`, `expiry`,
`refresh token`



整合所有，製作出 HTTP server

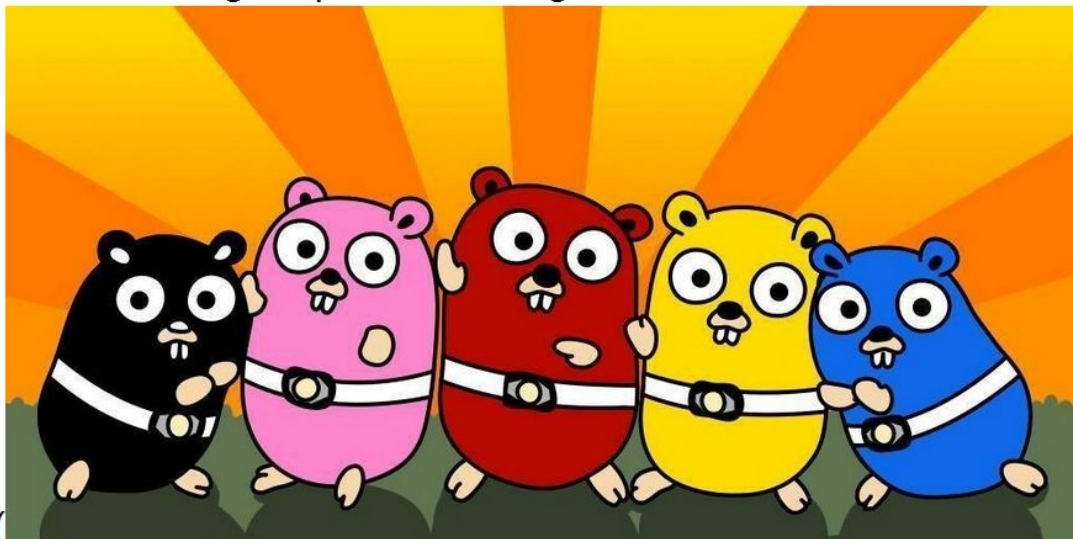
List of routers

- GET **/evernote/login** (登入)
- GET **/evernote/login/callback** (登入重新導向)
- GET **/evernote/api/notebooks** (取得筆記本列表)
- GET **/evernote/api/notebooks/{GUID}** (取得指定筆記本的筆記列表)
- GET **/evernote/api/notes/{GUID}** (取得指定筆記內容)
- GET **/evernote/api/notes/{GUID}/resources/{Hash}** (取得指定筆記資源)
- GET **/evernote/api/resources/{GUID}** (取得指定資源)

List of routers (cont.)

- GET **/blogger/login** (登入)
- GET **/blogger/login/callback** (登入重新導向)
- GET **/blogger/api/blogs** (取得部落格列表)
- POST **/blogger/api/blogs/{BlogID}/posts** (在指定部落格發布文章)
- GET **/index.html**

Welcome to Golang Taipei Gathering



! [GTG] (

gtg)

- [Golang Taiwan Gathering #24](meetup/gtg24) (2017/05/23)
- [Golang Taiwan Gathering #23](meetup/gtg23) (2017/04/18)

00-收件夾

GTG#25 簡報大綱

Golang Taipei Gathering

Markdown

HTML

Preview

Blog: 思元的開發筆記

☐ Png to Jpeg

Publish as Draft



Welcome to Golang Taipei Gathering

- [Golang Taiwan Gathering #24](#) (2017/05/23)
- [Golang Taiwan Gathering #23](#) (2017/04/18)

00-收件夾

GTG#25 簡報大綱

Golang Taipei Gathering

Markdown

HTML

Preview

Blog: 思元的開發筆記

思元的開發筆記

思元的寫作練習

Siyuan IO

Publish as Draft



Welcome to Golang Taipei Gathering

- [Golang Taiwan Gathering #24](#) (2017/05/23)
- [Golang Taiwan Gathering #23](#) (2017/04/18)

00-收件夾

00-收件夾

01-Work 任務

02-Life 任務

03-Blog 任務

04-記帳任務

05-將來也許

06-放棄任務

07-英文閱讀

08-閱讀材料

09-Books 待購

11-Work 任務封存

12-Life 任務封存

13-Blog 任務封存

14-英文閱讀 封存

15-閱讀材料封存

19-Books 已購

2014 日本關西

2015 日本沖繩

2016 新加坡

Markdown

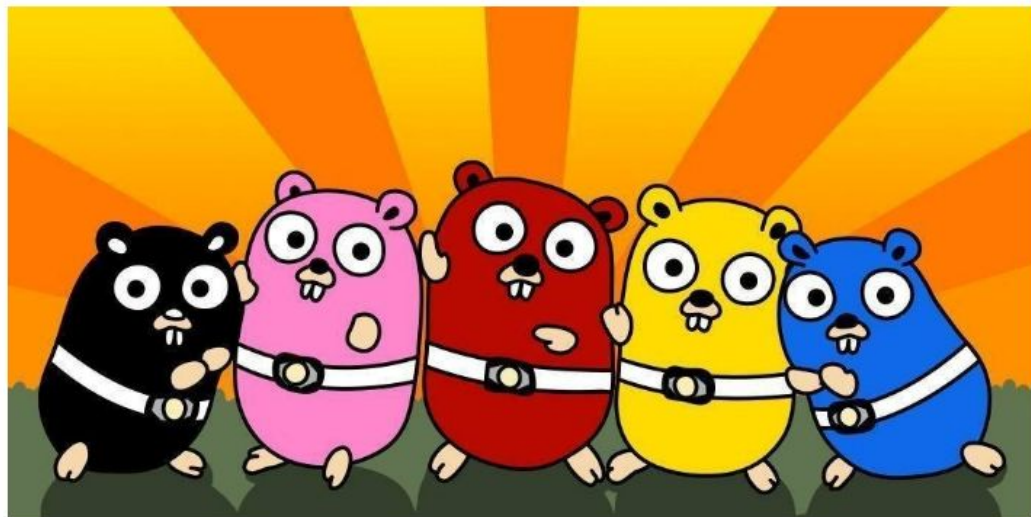
HTML

Preview

Blog: 思元的開發筆記

☐ Png to Jpeg

Publish as Draft



Welcome to Golang Taipei Gathering

- [Golang Taiwan Gathering #24](#) (2017/05/23)
- [Golang Taiwan Gathering #23](#) (2017/04/18)

00-收件夾

GTG#25 簡報大綱

Golang Taipei Gathering

Markdown

HTML

Preview

Blog: 思元的開發筆記

☐ Png to Jpeg

Publish as Draft

Welcome to Golang Taipei Gathering

![GTG](!EN-RESOURCE|afced72d-9b3b-4960-aa16-142d13da01fd!gtg)

- [Golang Taiwan Gathering #24](meetup/gtg24) (2017/05/23)

- [Golang Taiwan Gathering #23](meetup/gtg23) (2017/04/18)

00-收件夾

GTG#25 簡報大綱

Golang Taipei Gathering

Markdown

HTML

Preview

Blog: 思元的開發筆記

☐ Png to Jpeg

Publish as Draft

```
<div class="img-box">
  <a href="/evernote/api/resources/afced72d-9b3b-4960-aa16-142d13da01fd?name=gtg"></a>
</div>
<p>Welcome to Golang Taipei Gathering
</p>
<!--more-->
<ul>
  <li><a href="meetup/gtg24">Golang Taiwan Gathering #24</a> (2017/05/23)</li>
  <li><a href="meetup/gtg23">Golang Taiwan Gathering #23</a> (2017/04/18)</li>
</ul>
```

00-收件夾

GTG#25 簡報大綱

Golang Taipei Gathering

Markdown

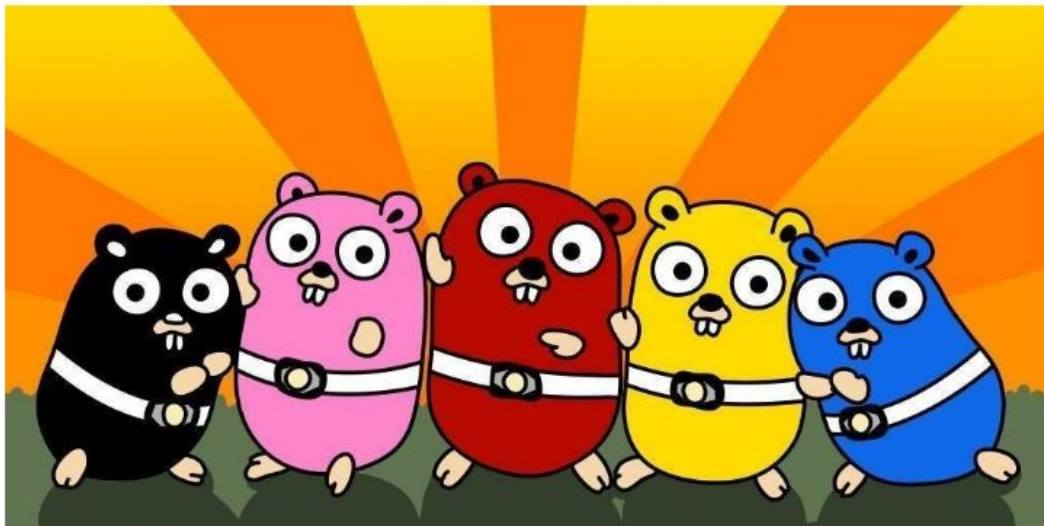
HTML

Preview

Blog: 思元的開發筆記

☐ Png to Jpeg

Publish as Draft



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- [Golang Taiwan Gathering #24](#) (2017/05/23)
- [Golang Taiwan Gathering #23](#) (2017/04/18)



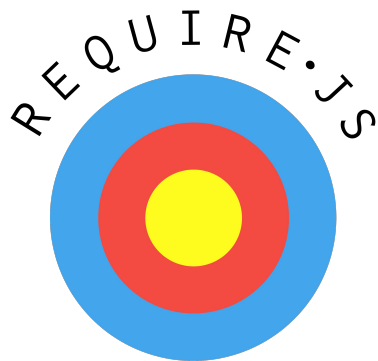
等等...這畫面怎麼做的？
能用 Go 弄出這樣介面嗎？



Vue.js



Bootstrap



使用前端技術



More details

- 更多細節 & 程式碼範例放置在以下兩篇文章
 - [Evernote SDK for Golang_自行建置、使用範例以及開放授權流程 \(OAuth\)](#)
 - [使用 Golang 串接 Google Blogger API_張貼文章與上傳圖片](#)
-
- 完整的專案程式碼
 - github.com/twsiyuan/evernote-to-blogger-golang

Thanks

— Siyuan Wang —
<http://twsiyuan.com>
