

Deploy to Heroku & GitHub

安裝Git <https://git-scm.com/>

一直下一步即可



Git is a **free and open source** distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is **easy to learn** and has a **tiny footprint with lightning fast performance**. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching**, convenient **staging areas**, and **multiple workflows**.



Learn Git in your browser for free with **Try Git**.



About

The advantages of Git compared to other source control systems.



Documentation

Command reference pages, Pro Git book content, videos and other material.



Downloads

GUI clients and binary releases for all major platforms.

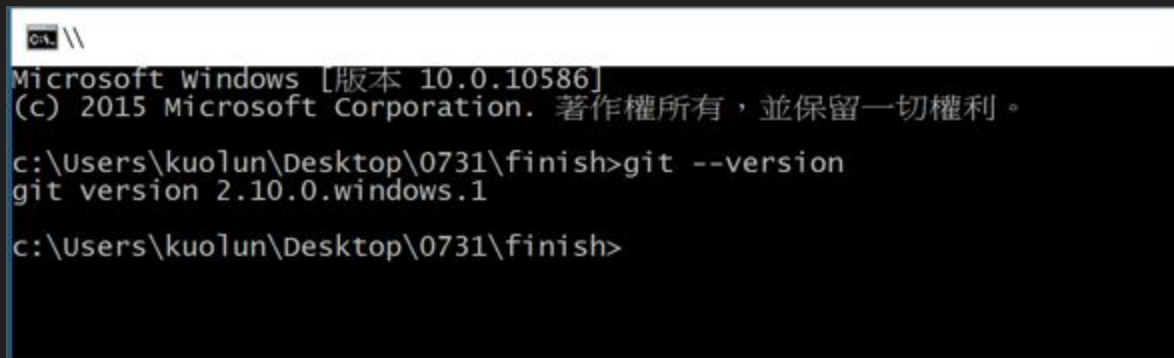


Community

Get involved! Bug reporting, mailing list, chat, development and more.



check Git 是否有裝好 `git --version`



```
C:\>
Microsoft Windows [版本 10.0.10586]
(c) 2015 Microsoft Corporation. 著作權所有，並保留一切權利。

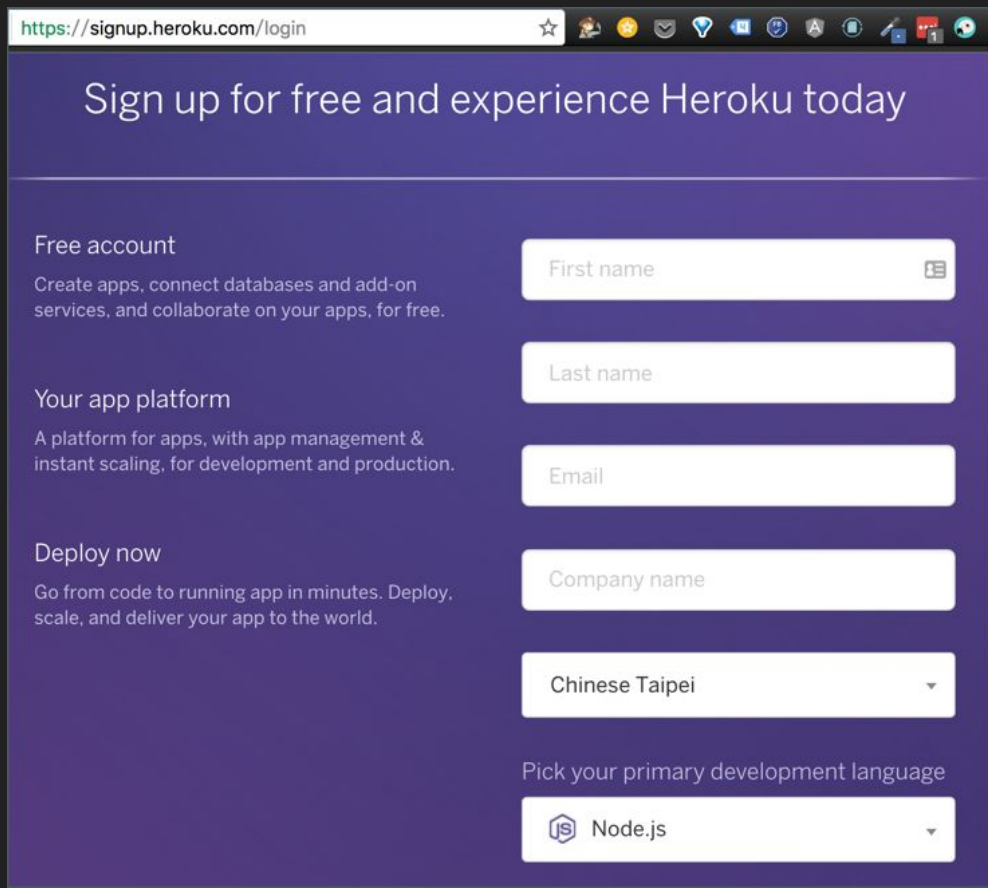
c:\Users\kuolun\Desktop\0731\finish>git --version
git version 2.10.0.windows.1

c:\Users\kuolun\Desktop\0731\finish>
```

註冊 Heroku <https://www.heroku.com/>

選 Node.js

收信驗證

A screenshot of the Heroku sign-up page. The browser's address bar shows 'https://signup.heroku.com/login'. The page has a purple header with the text 'Sign up for free and experience Heroku today'. Below this, there are three sections on the left: 'Free account' (with a description: 'Create apps, connect databases and add-on services, and collaborate on your apps, for free.'), 'Your app platform' (with a description: 'A platform for apps, with app management & instant scaling, for development and production.'), and 'Deploy now' (with a description: 'Go from code to running app in minutes. Deploy, scale, and deliver your app to the world.'). On the right side, there are several input fields: 'First name', 'Last name', 'Email', 'Company name', a dropdown menu for 'Chinese Taipei', and a dropdown menu for 'Pick your primary development language' which currently shows 'Node.js' with a JavaScript logo icon.

Set your password

Create your password and log in to your Heroku account.

Password*



Minimum 8 characters: Letters, numbers, and/or symbols

Password Confirmation*



Confirm your password

Dashboard



Heroku

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



Personal apps ▾




You currently have no apps

To get started, click the button below and create a new app.


Create New App


Documentation


 Heroku Dev Center

By Language ▾ Develop ▾ Support More ▾

Log in or Sign up

 Getting Started

 Reference

 Learning

Search

LEARNING

Application Architecture

Node.js

Ruby

Java


PHP

Python

Go

Scala

Clojure


Node.js

Heroku makes it easy to deploy and scale Node.js applications in the cloud. Run any recent version of Node.js. Deploy apps in seconds utilizing dependency caching. Easily install third-party [add-ons](#) like Redis, MongoDB & New Relic.

安裝Heroku toolbelt

<https://devcenter.heroku.com/articles/getting-started-with-nodejs#set-up>

Set up

In this step you will install the Heroku Toolbelt. This provides you access to the Heroku Command Line Interface (CLI), which can be used for managing and scaling your applications and add-ons. A key part of the toolbelt is the `heroku local` command, which can help in running your applications locally.



Download Heroku Toolbelt for...



FB developer新增URI

把localhost改成heroku的網址(mean268改成你等下要命名的name)
並在OAuth處新增重新導向URI



```
8      clientID : '1035056279864779' ,
9      // your App Secret
10     'clientSecret' : '7c35c679194c13abc9b381f7fa5f5f69' ,
11     'callbackURL' : 'http://mean268.herokuapp.com/auth/facebook/callback' ,
12   },
}
```

The code is shown in a dark-themed editor. The file explorer on the left shows 'app' > 'config' > 'auth.js' selected. The 'callbackURL' value in the code is highlighted with a yellow box.

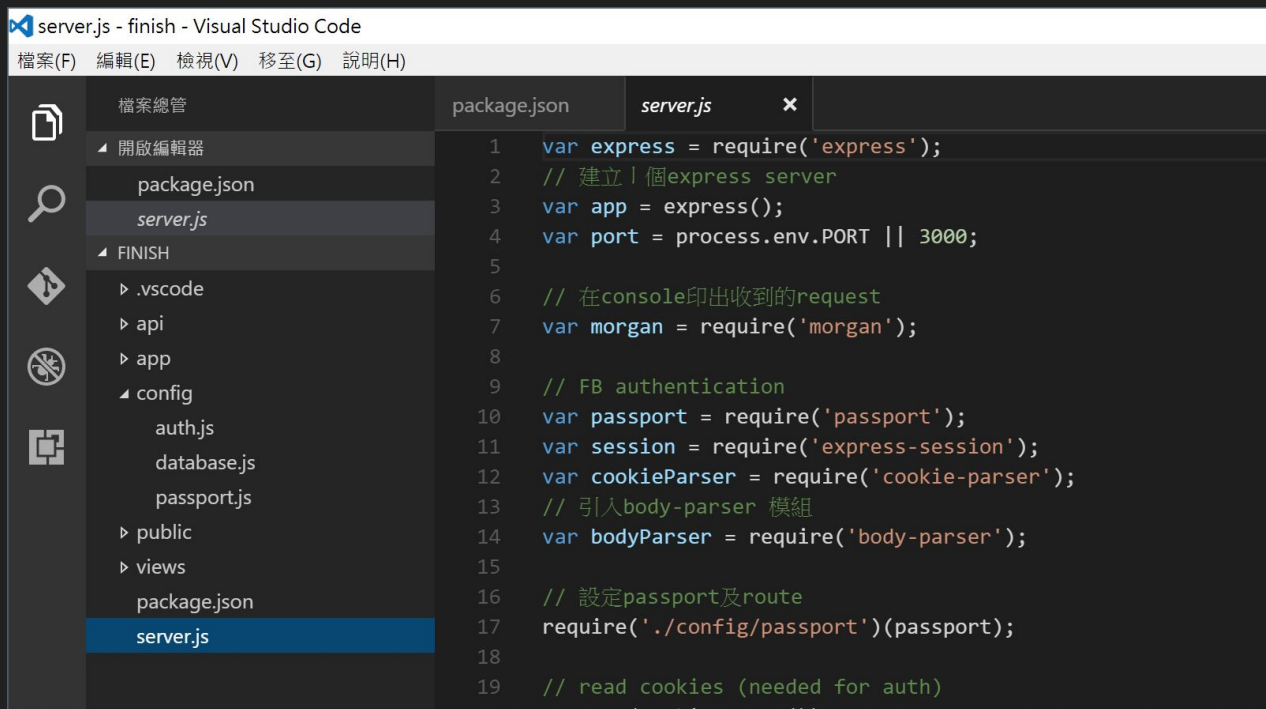
用VS Code開啟要deploy的資料夾

不需包含

node_modules

heroku會幫我們執行

npm install



The screenshot shows the Visual Studio Code interface. The title bar reads "server.js - finish - Visual Studio Code". The menu bar includes "檔案(F)", "編輯(E)", "檢視(V)", "移至(G)", and "說明(H)". The Explorer sidebar on the left shows a project structure with folders like ".vscode", "api", "app", "config", "public", and "views", and files like "package.json", "server.js", "auth.js", "database.js", and "passport.js". The "server.js" file is selected and open in the editor. The code in the editor is as follows:

```
1 var express = require('express');
2 // 建立1個express server
3 var app = express();
4 var port = process.env.PORT || 3000;
5
6 // 在console印出收到的request
7 var morgan = require('morgan');
8
9 // FB authentication
10 var passport = require('passport');
11 var session = require('express-session');
12 var cookieParser = require('cookie-parser');
13 // 引入body-parser 模組
14 var bodyParser = require('body-parser');
15
16 // 設定passport及route
17 require('./config/passport')(passport);
18
19 // read cookies (needed for auth)
```

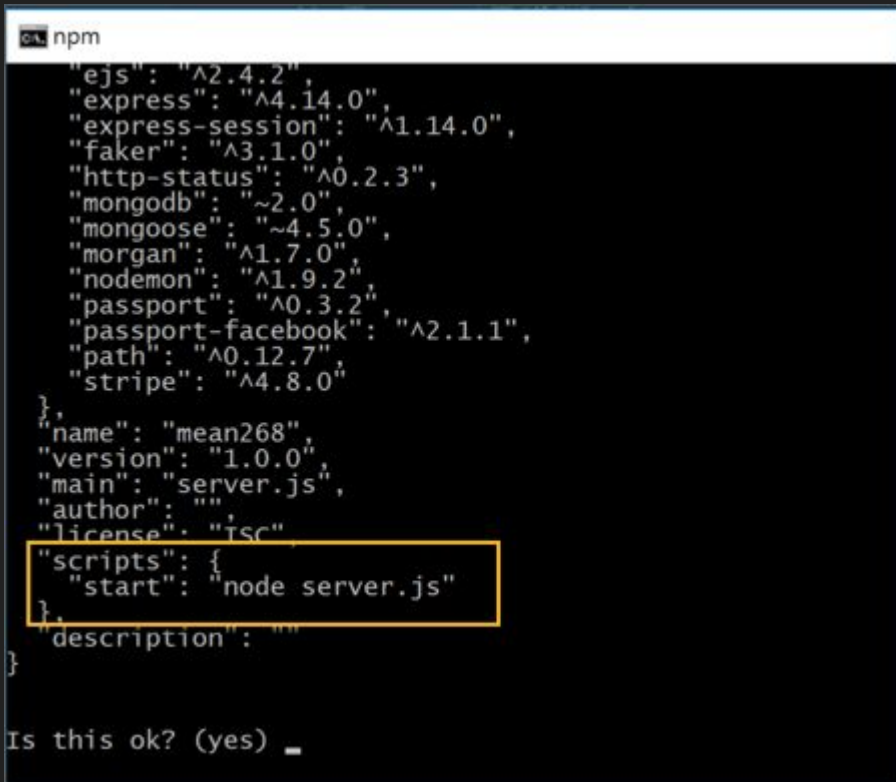
開啟命令列輸入npm init

要有產生scripts

推到heroku後

heroku才能跑npm start指令

去執行node server.js

A terminal window titled 'npm' showing the output of the 'npm init' command. The output is a JSON object representing a package.json file. The 'scripts' section is highlighted with a yellow box, showing 'start': 'node server.js'. The prompt 'Is this ok? (yes) _' is visible at the bottom.

```
npm
{
  "ejs": "^2.4.2",
  "express": "^4.14.0",
  "express-session": "^1.14.0",
  "faker": "^3.1.0",
  "http-status": "^0.2.3",
  "mongodb": "^2.0",
  "mongoose": "^4.5.0",
  "morgan": "^1.7.0",
  "nodemon": "^1.9.2",
  "passport": "^0.3.2",
  "passport-facebook": "^2.1.1",
  "path": "^0.12.7",
  "stripe": "^4.8.0",
},
  "name": "mean268",
  "version": "1.0.0",
  "main": "server.js",
  "author": "",
  "license": "ISC",
  "scripts": {
    "start": "node server.js"
  },
  "description": ""
}

Is this ok? (yes) _
```

修改敏感資料-先把資料copy到記事本並修改
成process.env.XXXXXX

config/auth.js

```
'facebookAuth': {  
  'clientId': '1035056279864779',  
  'clientSecret': process.env.CLIENTSECRET,  
  'callbackURL': 'http://mean268.herokuapp.com/auth/facebook/callback'  
},
```

config/database.js

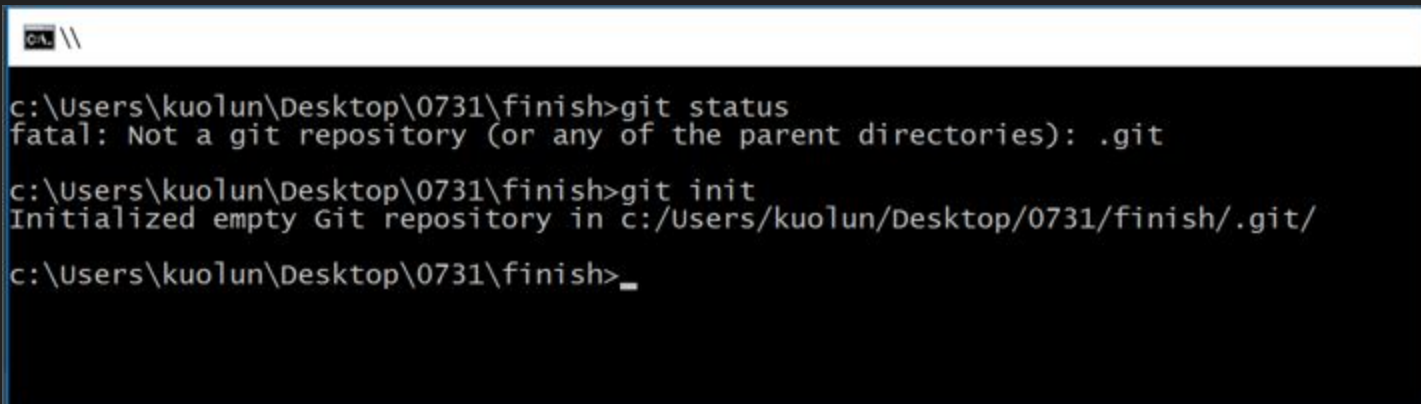
```
var dbURI = process.env.DBURI;
```

app/route.js

```
var Stripe = require('stripe')(process.env.SKKEY);
```

git-開啟專案資料夾

- 輸入 **git status** 會看到目前非 git repository
- 輸入 **git init** 做初始化, 使其成為 git repository



```
C:\Users\kuolun\Desktop\0731\finish>git status
fatal: Not a git repository (or any of the parent directories): .git

C:\Users\kuolun\Desktop\0731\finish>git init
Initialized empty Git repository in c:/Users/kuolun/Desktop/0731/finish/.git/

C:\Users\kuolun\Desktop\0731\finish>_
```

- 讓目前目錄下所有檔案加入staged, 準備commit
- git status可看到目前是master branch

```
kuolundeMacBook-Pro:finish kuolun$ git add .  
kuolundeMacBook-Pro:finish kuolun$ git status  
On branch master
```

- commit

```
kuolundeMacBook-Pro:finish kuolun$ git commit -m "initial commit"  
[master (root-commit) 64511a3] initial commit  
31 files changed, 1821 insertions(+)
```

如果有錯誤

用這兩行指令

設定自己的email及name後

再重下一次commit指令

```
new file:   public/views/index.html
new file:   public/views/pages/cart.html
new file:   public/views/pages/category.html
new file:   public/views/pages/checkout.html
new file:   public/views/pages/dropdown_categories.html
new file:   public/views/pages/nav_bar.html
new file:   public/views/pages/product.html
new file:   public/views/pages/profile.html
new file:   public/views/pages/search_bar.html
new file:   public/views/testStripe.html
new file:   server.js
new file:   views/profile.ejs

c:\Users\kuolun\Desktop\0731\finish>git commit -m "initial commit"

*** Please tell me who you are.

Run

git config --global user.email "you@example.com"
git config --global user.name "Your Name"

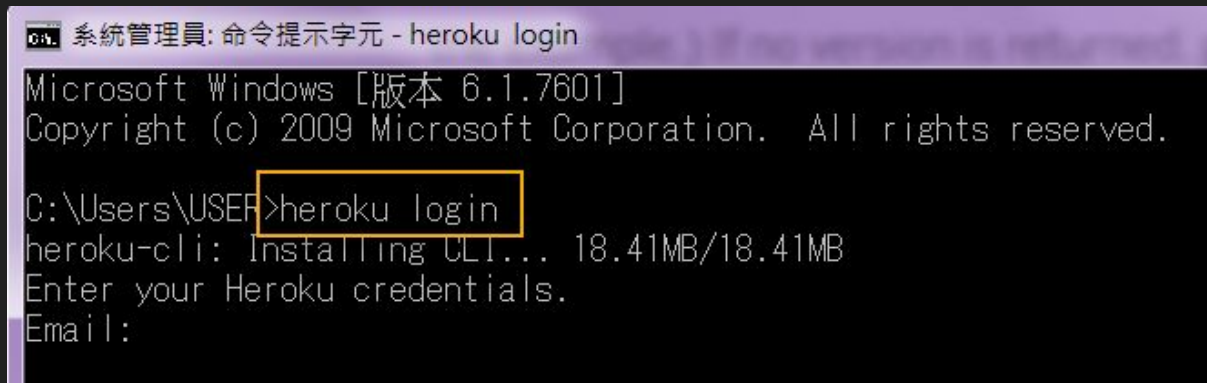
to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <(null)>) not allowed
```


打開finish資料夾，開啟terminal

輸入heroku login

登入註冊時的帳號密碼



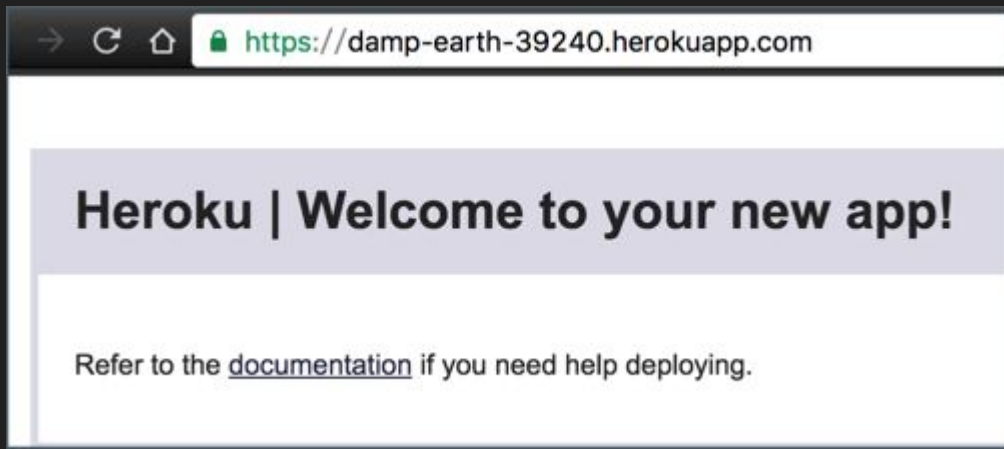
```
系統管理員: 命令提示字元 - heroku login
Microsoft Windows [版本 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\USER>heroku login
heroku-cli: Installing CLI... 18.41MB/18.41MB
Enter your Heroku credentials.
Email:
```

heroku create

- 在heroku建立app及URL
- 與我們的git repo建立關聯

```
kuolundeMacBook-Pro:finish kuolun$ heroku create  
Creating app... done,  🌀 damp-earth-39240  
https://damp-earth-39240.herokuapp.com/ | https://git.heroku.com/damp-earth-39240.git
```



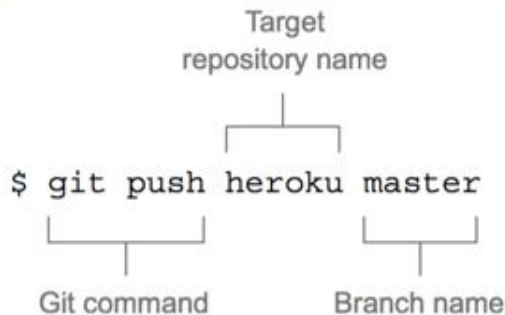
git remote -v

- 可看到有加上了remote為heroku, 可讓我們push code過去

```
kuolundeMacBook-Pro:finish kuolun$ git remote -v  
heroku  https://git.heroku.com/damp-earth-39240.git (fetch)  
heroku  https://git.heroku.com/damp-earth-39240.git (push)  
kuolundeMacBook-Pro:finish kuolun$ █
```

git push heroku master

把master branch的東西push到heroku



```
kuolundeMacBook-Pro:finish kuolun$ git push heroku master
Counting objects: 48, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (45/45), done.
Writing objects: 100% (48/48), 21.19 KiB | 0 bytes/s, done.
Total 48 (delta 4), reused 0 (delta 0)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: -----> Node.js app detected
remote:
remote: -----> Creating runtime environment
```

會去看package.json的東西，安裝dependencies

```
-----> Building dependencies
Installing node modules (package.json)
mean268@1.0.0 /tmp/build_91d23e1cc2c696a1e10188974198a554
├─┬ async@2.0.1
│ └─┬ lodash@4.15.0
├─┬ body-parser@1.15.2
│ └─┬ bytes@2.4.0
```

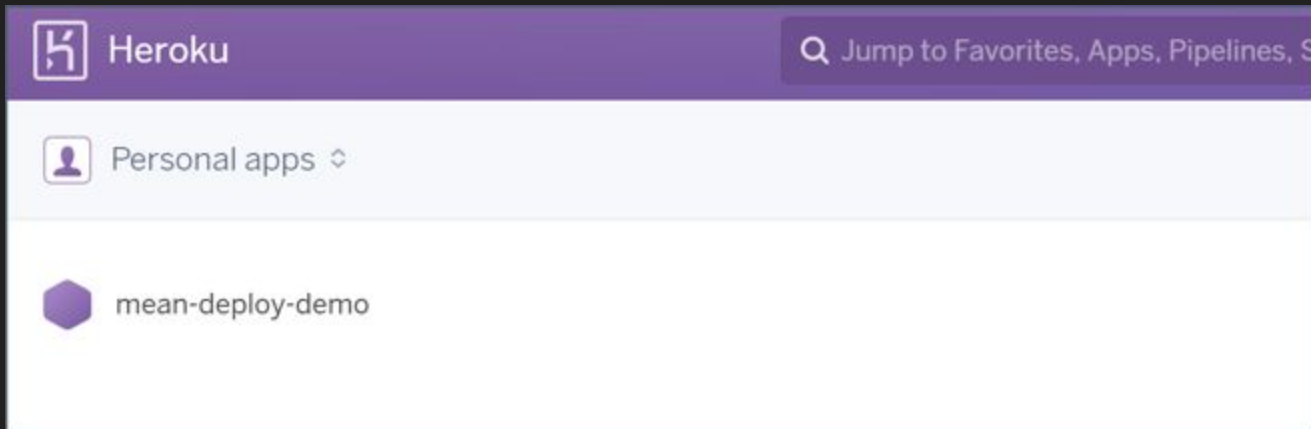
heroku rename

改網址

```
kuolundeMacBook-Pro:finish kuolun$ heroku rename mean268  
Renaming damp-earth-39240 to mean268... done  
https://mean268.herokuapp.com/ | https://git.heroku.com/mean268.git  
Git remote heroku updated
```

```
kuolundeMacBook-Pro:finish kuolun$ git remote -v  
heroku https://git.heroku.com/mean268.git (fetch)  
heroku https://git.heroku.com/mean268.git (push)
```

此時heroku已經出現一個新APP



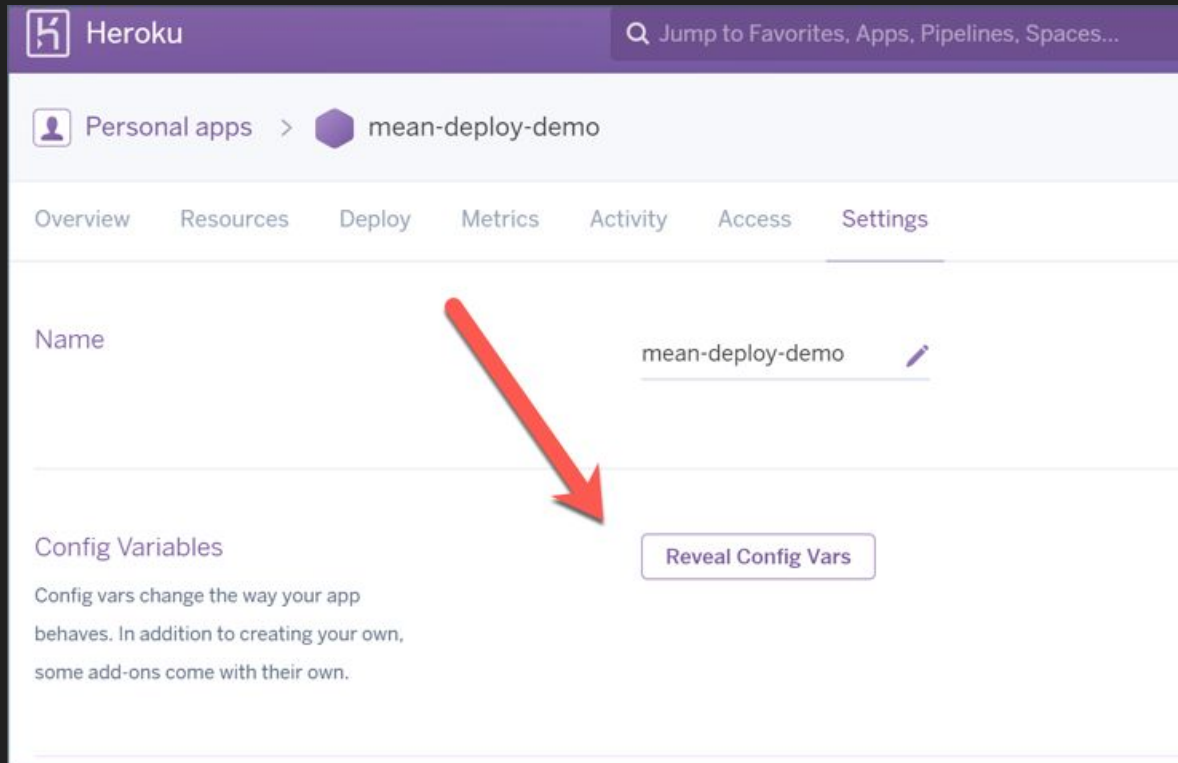
設定heroku上的configVar

進入app後

到settings的

Config Variables







設定剛剛的敏感資料



設定 key/value

會與程式中的process.env.CLIENTSECRET 去對應

Config Vars

| | | | |
|--------------|-------------|---|---|
| CLIENTSECRET | 7c35c679194 |  |  |
| DBURI | mongodb://k |  |  |
| SKKEY | sk_test_ZPT |  |  |

若自己的domain可來這邊設定

Domains

Add your custom domains here then [point your DNS to Heroku](#).

Heroku Domain

mean-deploy-demo.herokuapp.com

Custom Domains

Add domain

Custom domains will appear here

Custom domains allow you to access your app via one or more non-Heroku domain names (for example,

`www.yourcustomdomain.com`)

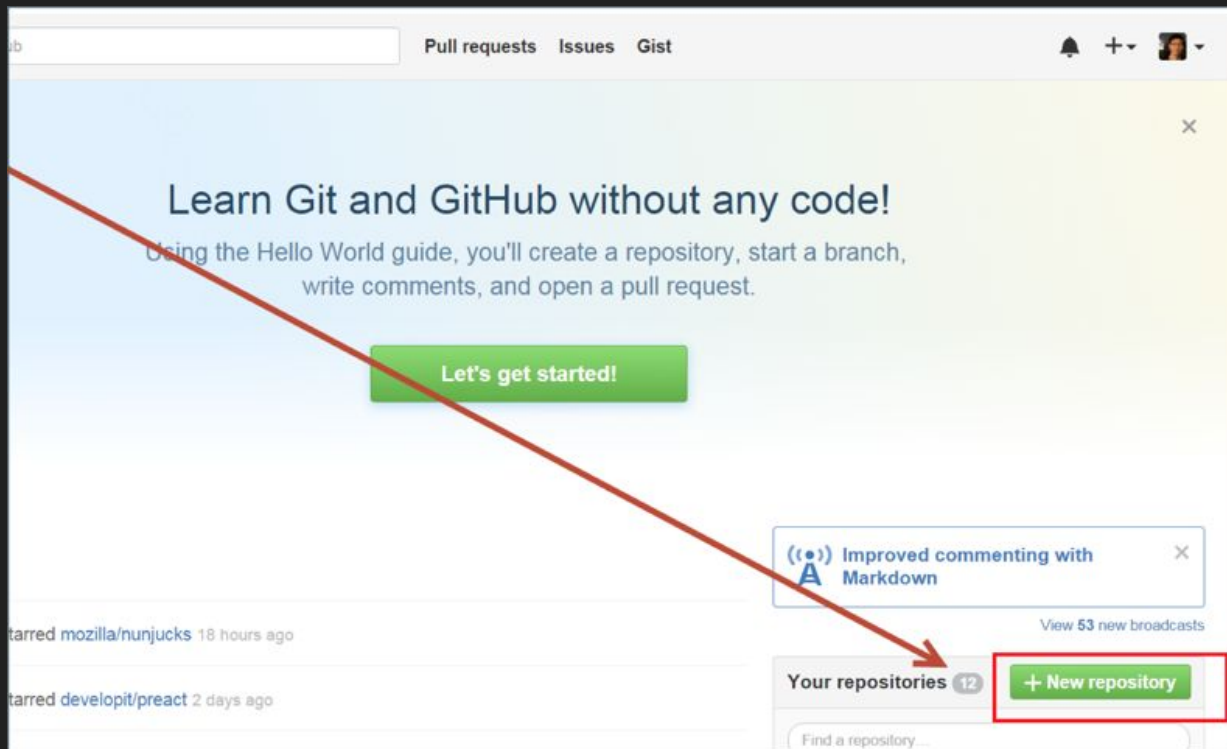
Shop Smart, Save Big!

Search many of Ecommerce's products



GitHub

如果要push到GitHub



Create a new repository

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

Owner



/

Repository name

mean-deploy-demo



Great repository names are short and memorable. Need inspiration? How about **ideal-engine**

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

...or create a new repository on the command line

```
echo "# mean-deploy-demo" >> README.md  
git init  
git add README.md  
git commit -m "first commit"  
git remote add origin https://github.com/kuolun/mean-deploy-demo.git  
git push -u origin master
```

...or push an existing repository from the command line

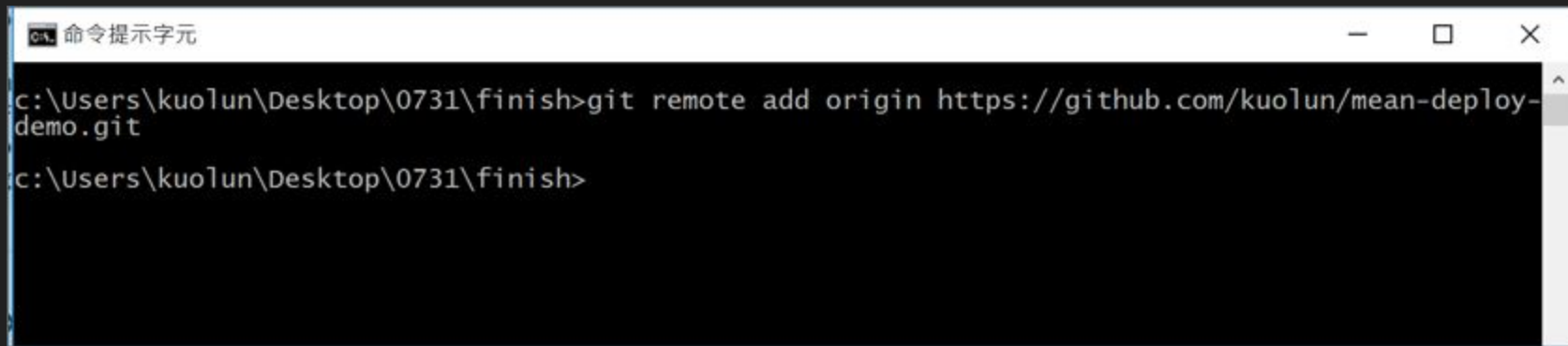
```
git remote add origin https://github.com/kuolun/mean-deploy-demo.git  
git push -u origin master
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

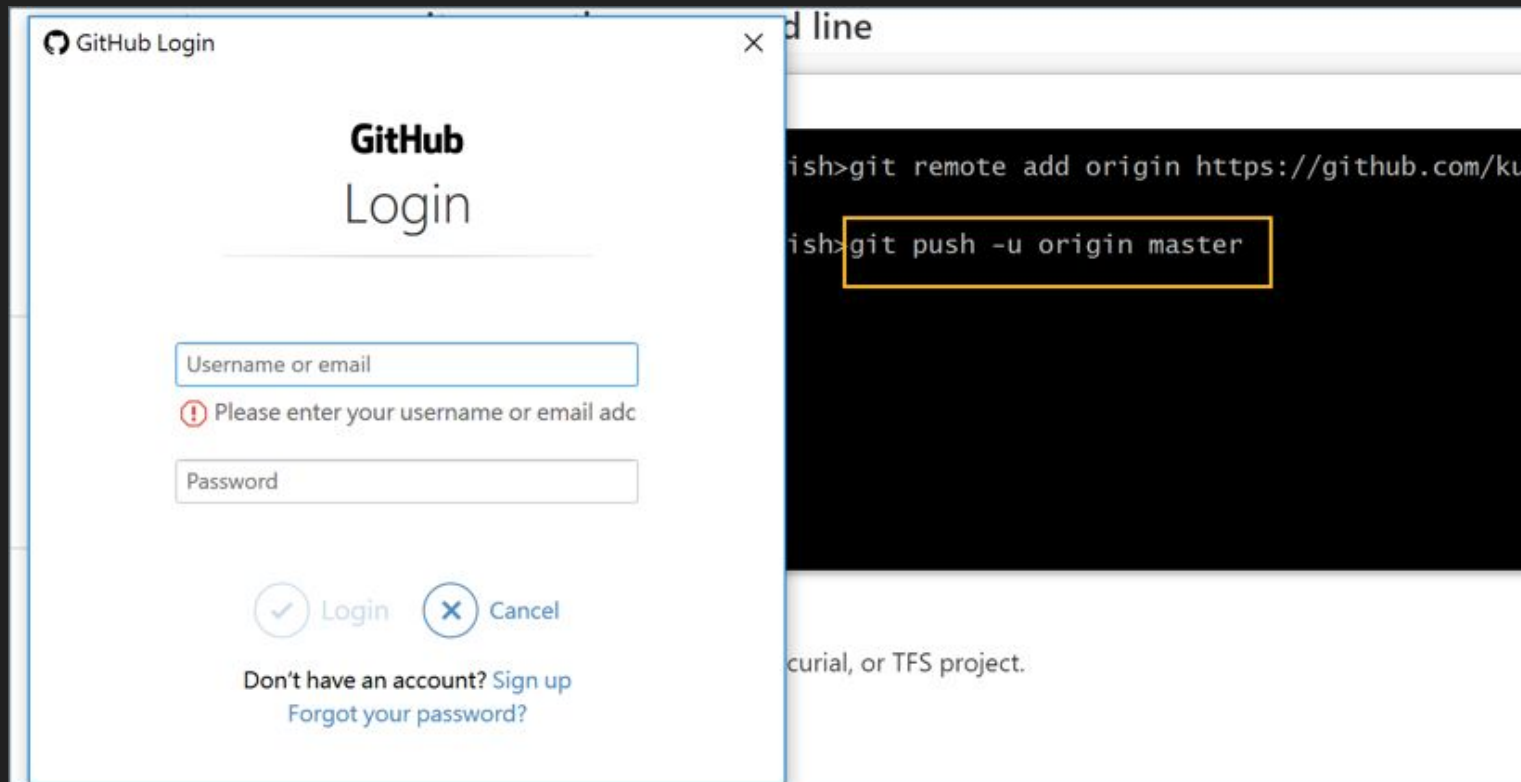
Import code

執行第一行 增加一個叫origin 的remote



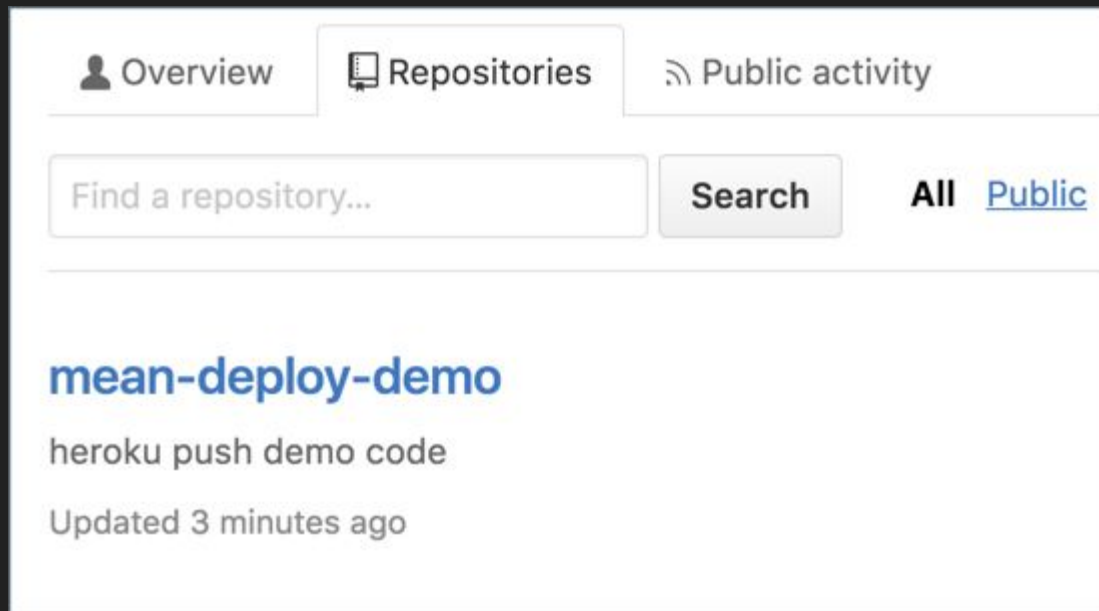
```
命令提示字元
c:\Users\kuolun\Desktop\0731\finish>git remote add origin https://github.com/kuolun/mean-deploy-demo.git
c:\Users\kuolun\Desktop\0731\finish>
```


push 需要輸入Github帳密



```
c:\Users\kuolun\Desktop\0731\finish>git push -u origin master
Counting objects: 49, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (46/46), done.
Writing objects: 100% (49/49), 21.27 KiB | 0 bytes/s, done.
Total 49 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/kuolun/mean-deploy-demo.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
```

到Github check



Youtube教學頻道

教學頻道

<https://www.youtube.com/channel/UCKx71HtCO9LkqXwFBwifhiw>

之後會陸續放一些

Git / GitHub / Angular2 / Firebase / Javascript / CSS /HTML

或是React / React Native等等的教學影片

有興趣的人可以訂閱頻道 :)