

GitHub

GitHub [編輯]

GitHub是一個共享虛擬主機服務,用於存放使用Git版本控制的 軟體代碼和內容專案。它由GitHub公司(曾稱Logical Awesome)的開發者Chris Wanstrath、PJ Hyett和Tom Preston-Werner使用Ruby on Rails編寫而成。

GitHub 同時提供付費帳戶和免費帳戶。這兩種帳戶都可以建立 公開的代碼倉庫,但是付費帳戶也可以建立私有的代碼倉庫。根 據在2009年的Git使用者調查,GitHub是最流行的Git存取站 點。[2]除了允許個人和組織建立和存取代碼庫以外,它也提供了 一些方便社會化軟體開發的功能,包括允許使用者跟蹤其他使用 者、組織、軟體庫的動態,對軟體代碼的改動和 bug 提出評論 等。GitHub也提供了圖表功能,用於顯示開發者們怎樣在代碼庫 上工作以及軟體的開發活躍程度。

截止到 2015 年, GitHub 已經有超過九百萬註冊使用者和 2110 萬代碼倉庫。[3]事實上已經成為了世界上最大的代碼存放網 tt.t; 。[4]

GitHub

GitHub

公司類型

私人

創始人

Tom Preston-Werner

Chris Wanstrath

PJ Hyett

執行長

Chris Wanstrath

總部地點

美國加利福尼亞州舊金山

產業

軟體

所有者

GitHub, Inc.

網址

github.com 🗗

Alexa排名

■ 世界 163 ▼ 16

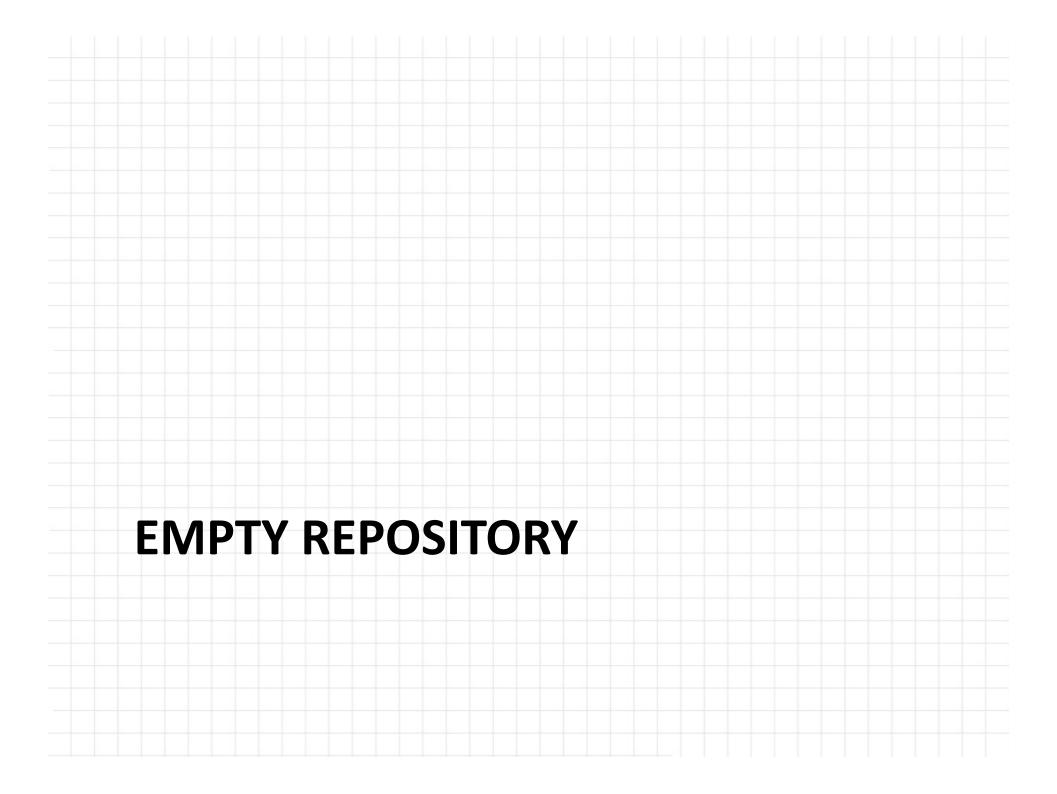
■■ 美國 149

中國 304^[1]

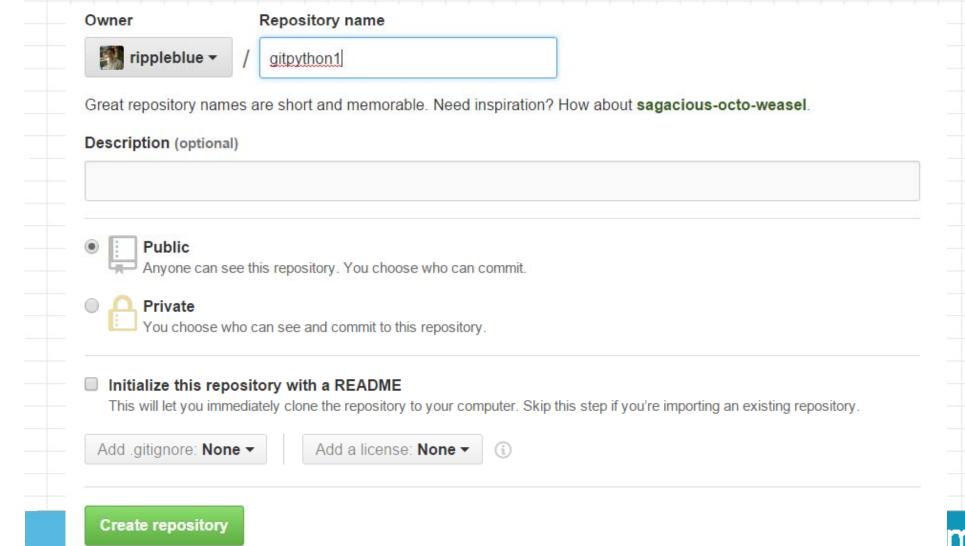
Set up

 git config --global user.name "jerry" git config --global user.email "jerry@mail.ntust.edu.tw"





Empty repository



• 自行進資料夾新增檔案(windows)

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

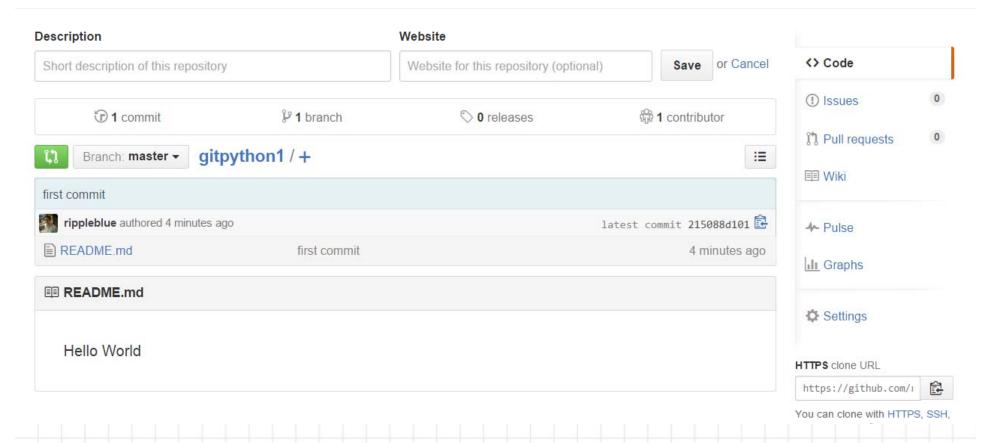
```
echo # gitpython1 >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/rippleblue/gitpython1.git
git push -u origin master
```

空的必須加



成功畫面





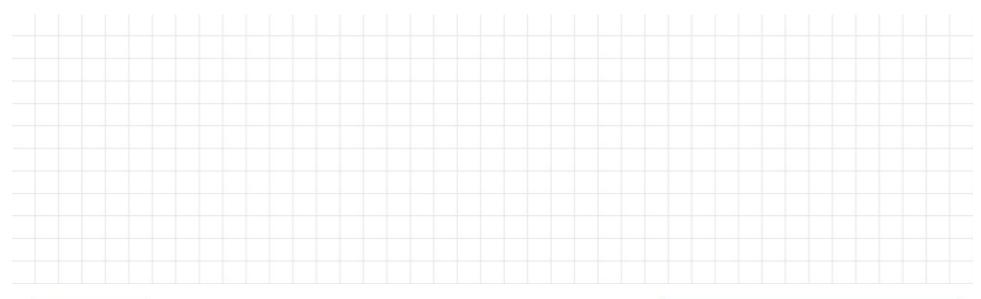


¥ Fork 0

★ Star 0

O Unwatch ▼









You've been added to the codefortomorrow organization!

Here are some quick tips for a first-time organization member.

• Use the switch context button in the upper left corner of this page to switch between your personal context (rippleblue) and organizations you are a member of.



X

· After you switch contexts you'll see an organization-focused dashboard that lists out organization repositories and activities.



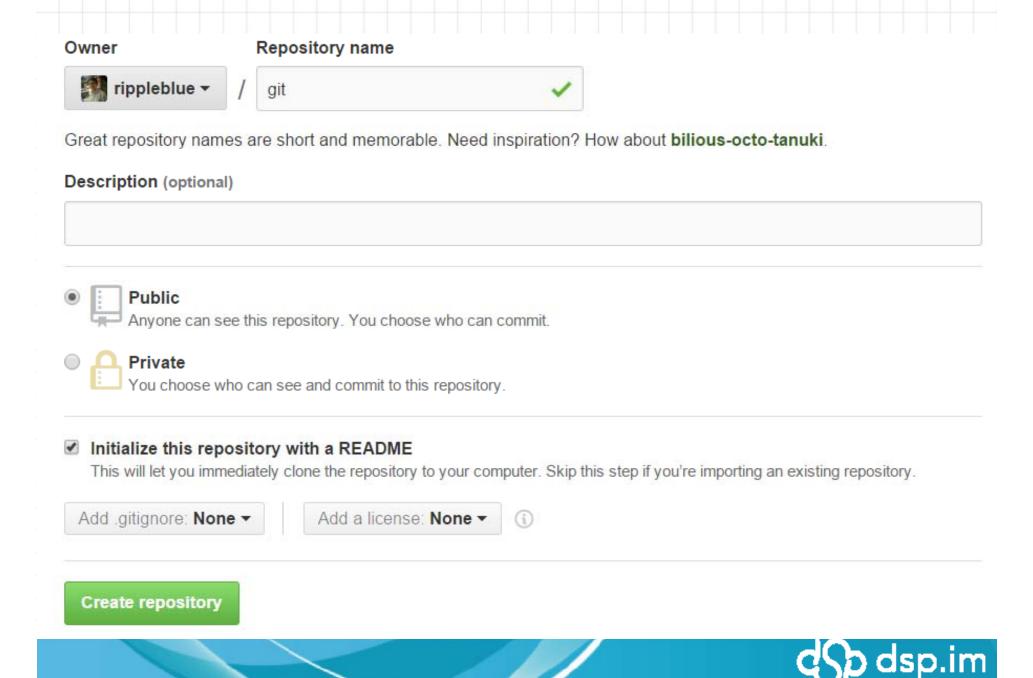
((e)) Easier feeds for GitHub Pages If you publish a blog using GitHub page

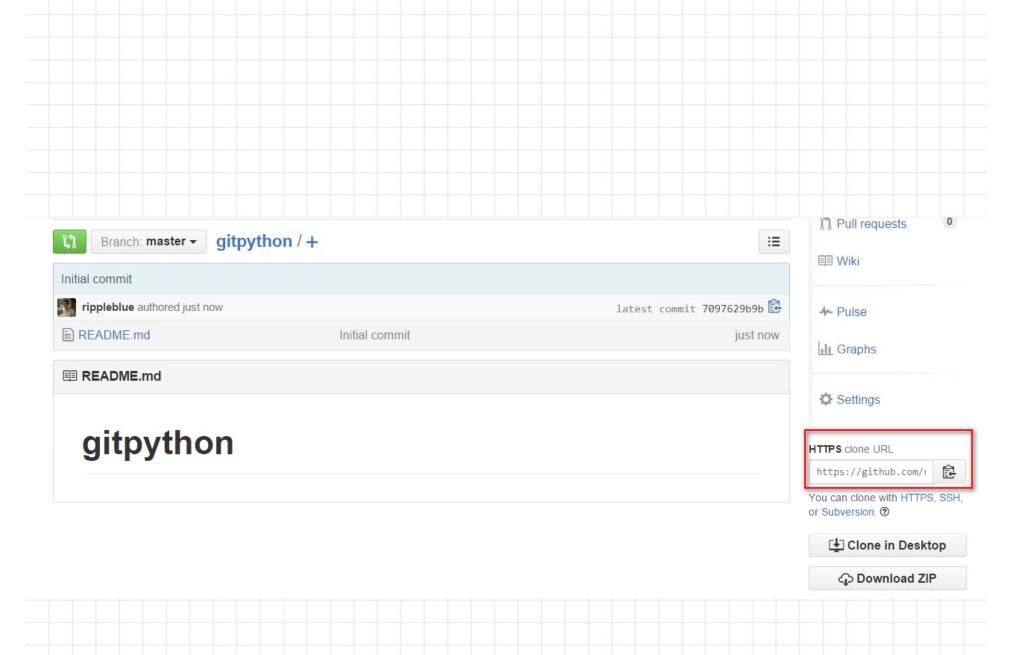
If you publish a blog using GitHub pages, it's now easier for others to subscribe to updates with the Jekyll feed plugin.

View 76 new broadcasts











Non-empty Repository

- git clone https://github.com/rippleblue/pythontest2.git
- cd gitpyton
- 自行新增檔案至資料夾
- git add.
- git commit –m "11.txt"
- git push origin master
- git log



Non-empty Repository

- 再新增檔案至資料夾
- git add .
- git commit –m "new commit"
- git push



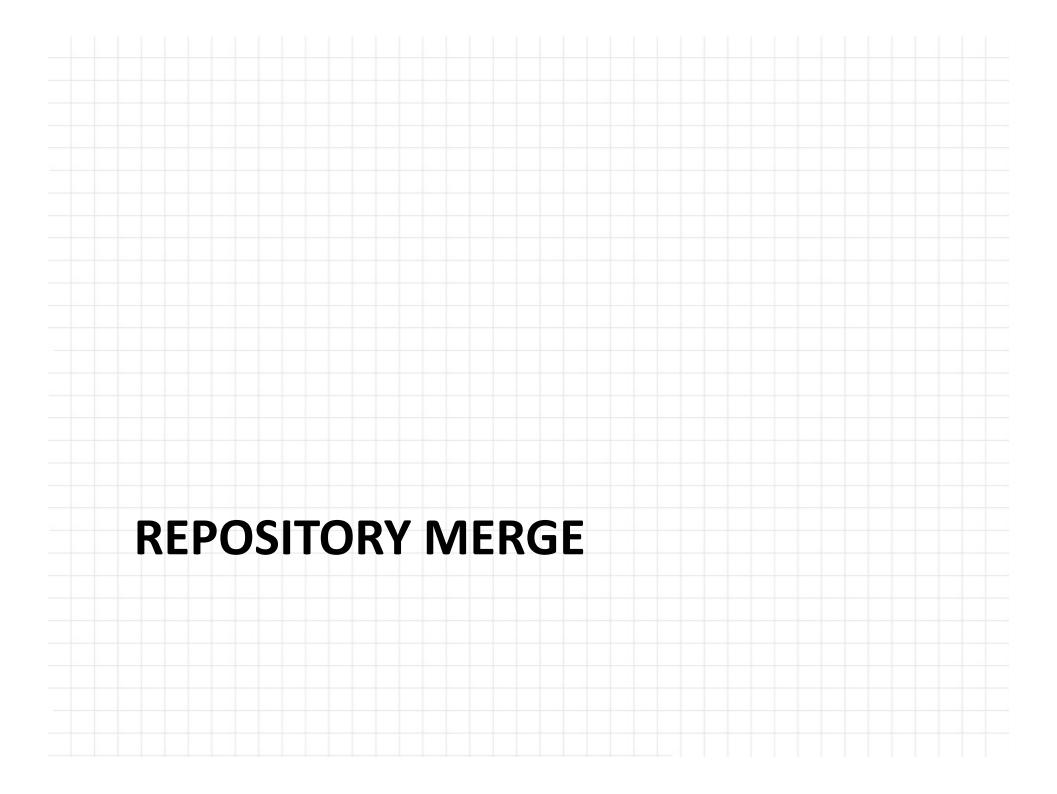
新檔案上傳

- 再新增檔案至資料夾
- git add.
- git commit –m "new commit"
- git push

```
[master +1 \sim 0 -0 ]]> git add . [master +1 \sim 0 -0]> git add.
```

[master
$$\pm 1$$
 ~ 0 -0]:







- gitpython_empty
 - 照舊再做一次



git remote add origin
 https://github.com/rippleblue/gitpython_emp
 ty.git

- git add.
- git branch new1
- git branch
- git checkout new1





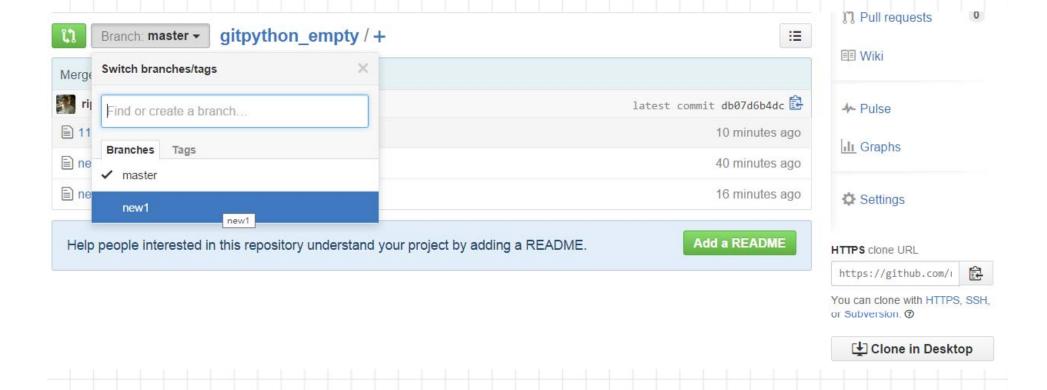
- git add.
- git commit –m "new1 branch"
- git push
- git push origin new1



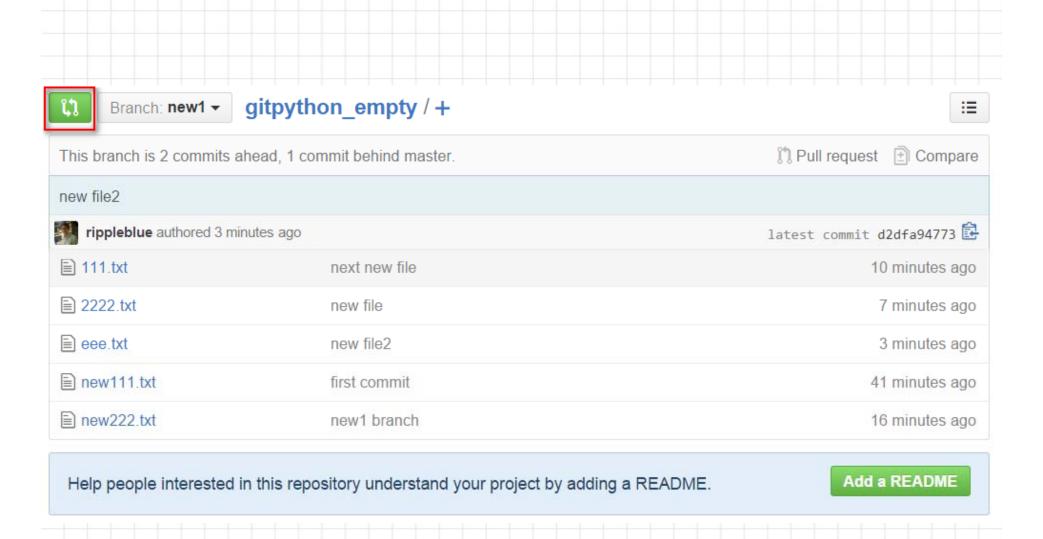
- git checkout master
- git merge new1
- git push



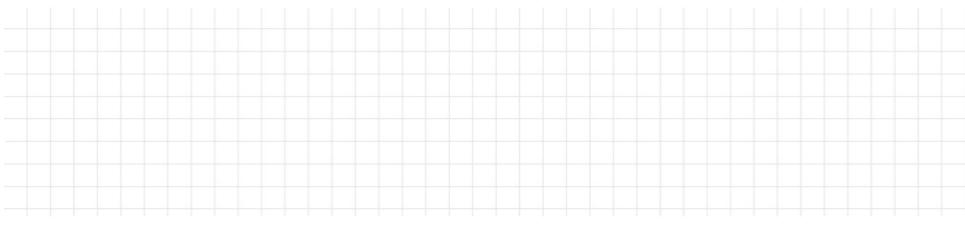


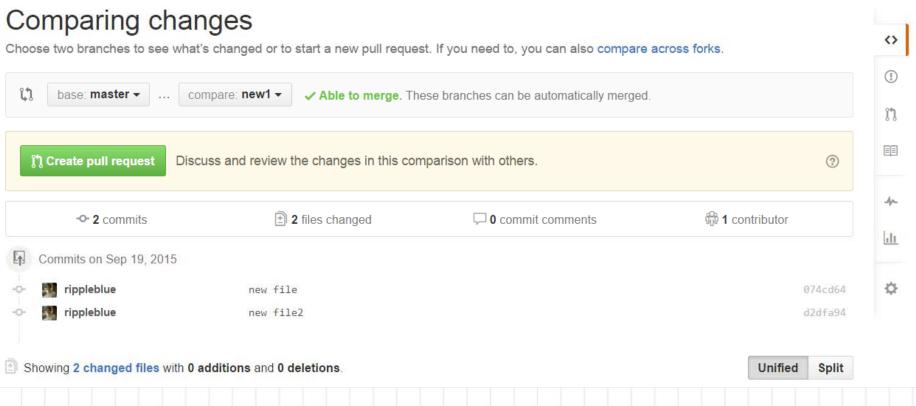














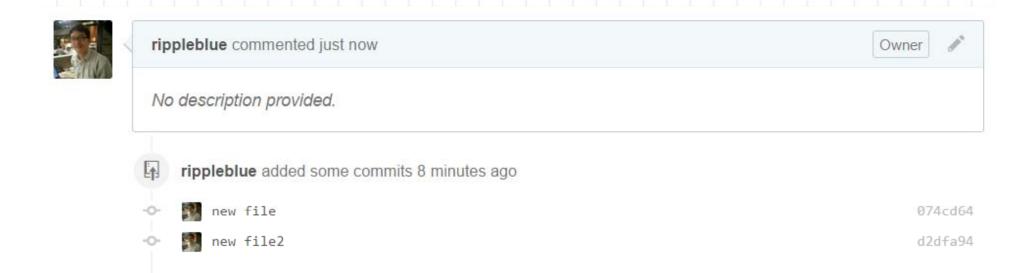




New1 new file1		
Write	Preview	Markdown supported
Leave a	a comment	
Attach is	mages by dragging & dropping, selecting them, or	pasting from the cliphoard

Create pull request





Add more commits by pushing to the new1 branch on rippleblue/gitpython_empty.







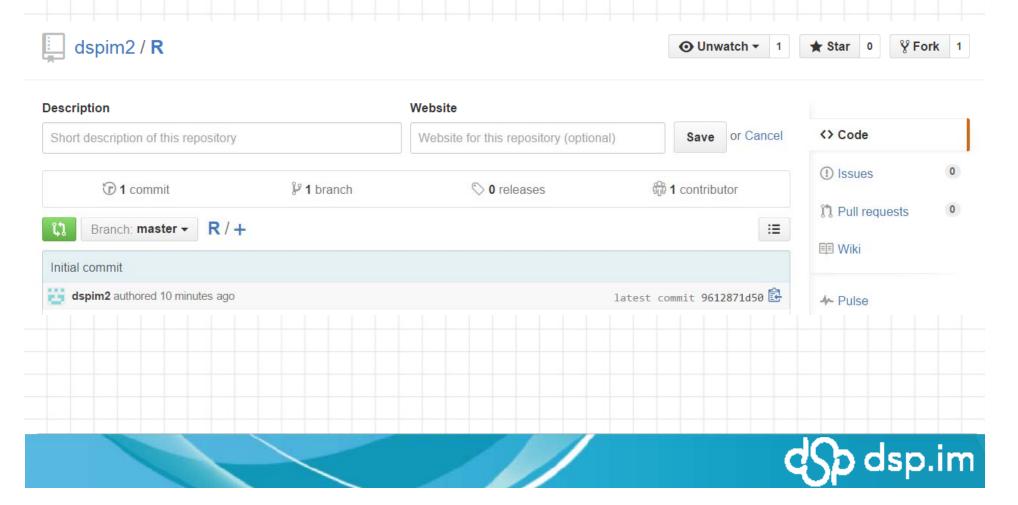
Exercise

- Try to create non-empty and Empty repository
- Try to commit to repository
- Try to push files to repository
- How to upload your files to teacher repository?



How to upload your files to teacher repository?

• 提交檔案到老師的Repository



先Fork到本機

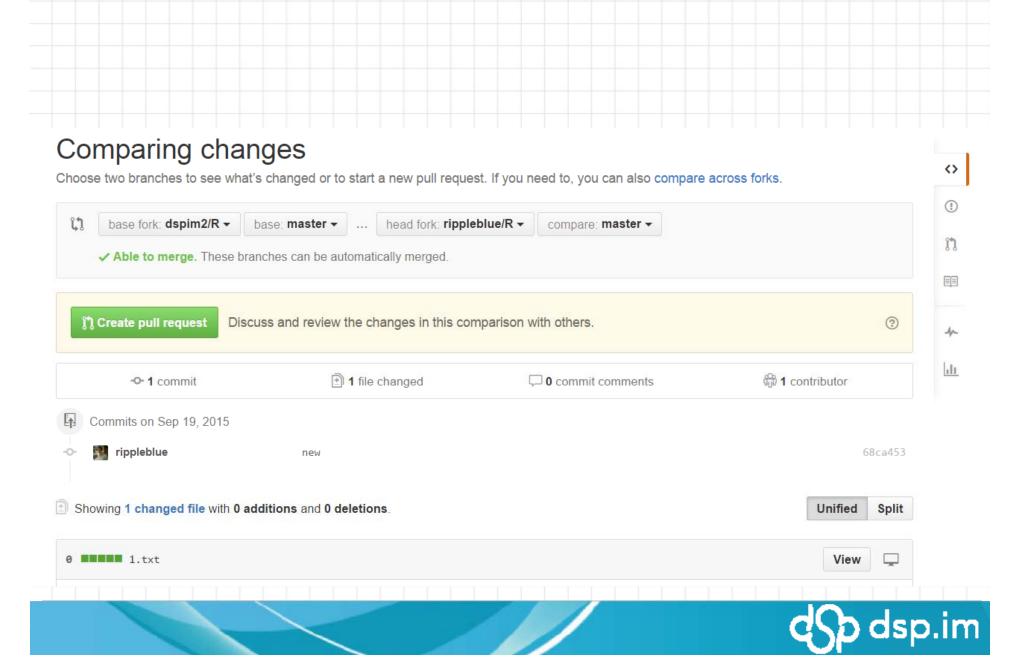
- git clone https://github.com/rippleblue/R.git
- 新增檔案
- Git add .
- Git commit –m "something new"
- Git push



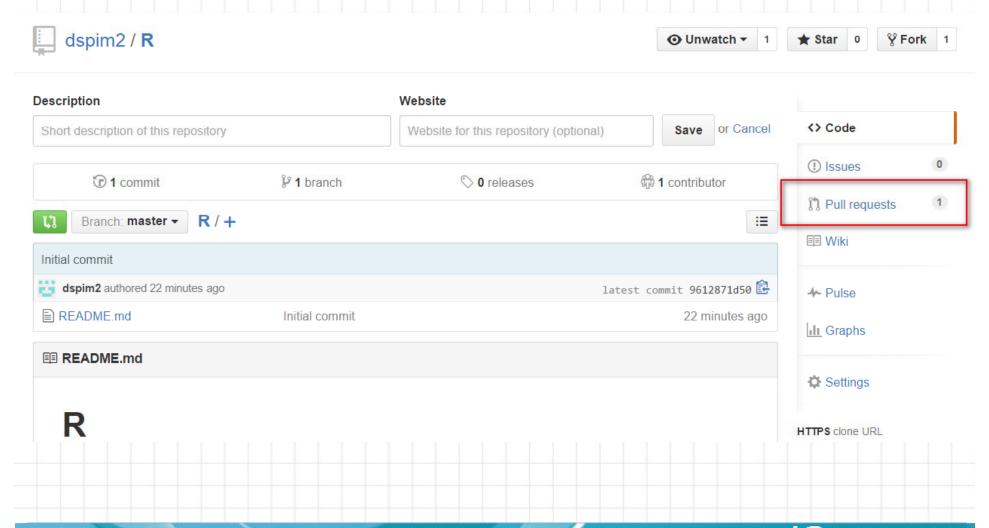
Create pull request



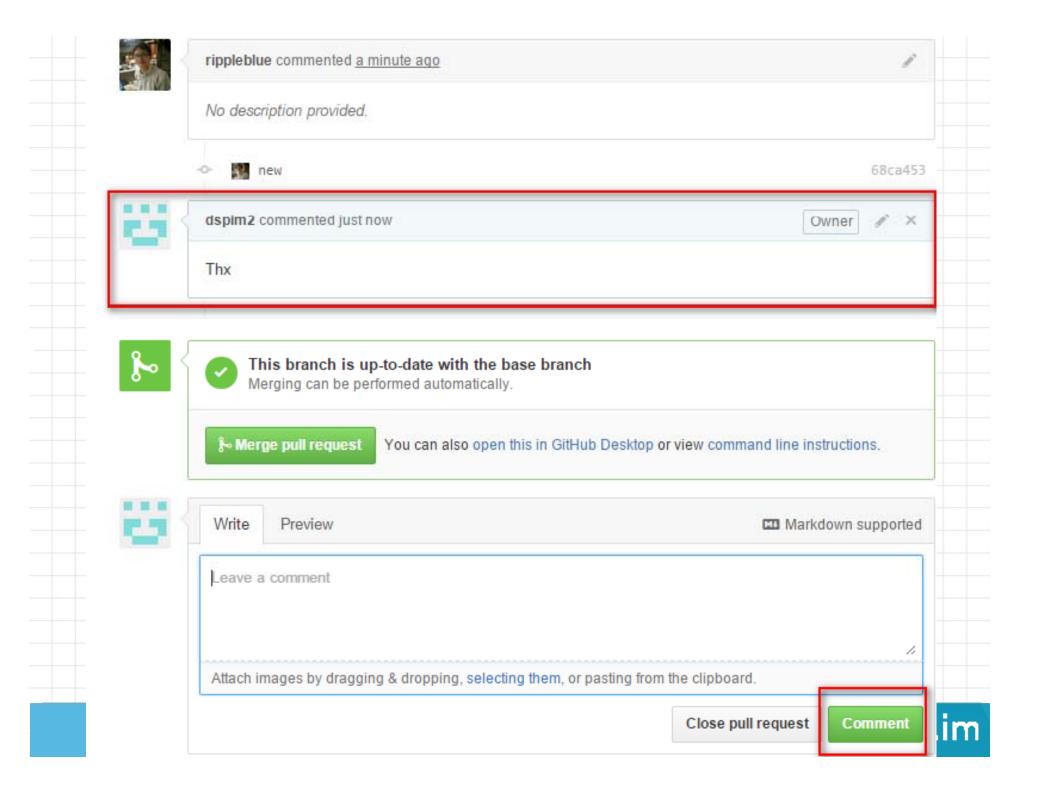




收到Pull requests的Repository











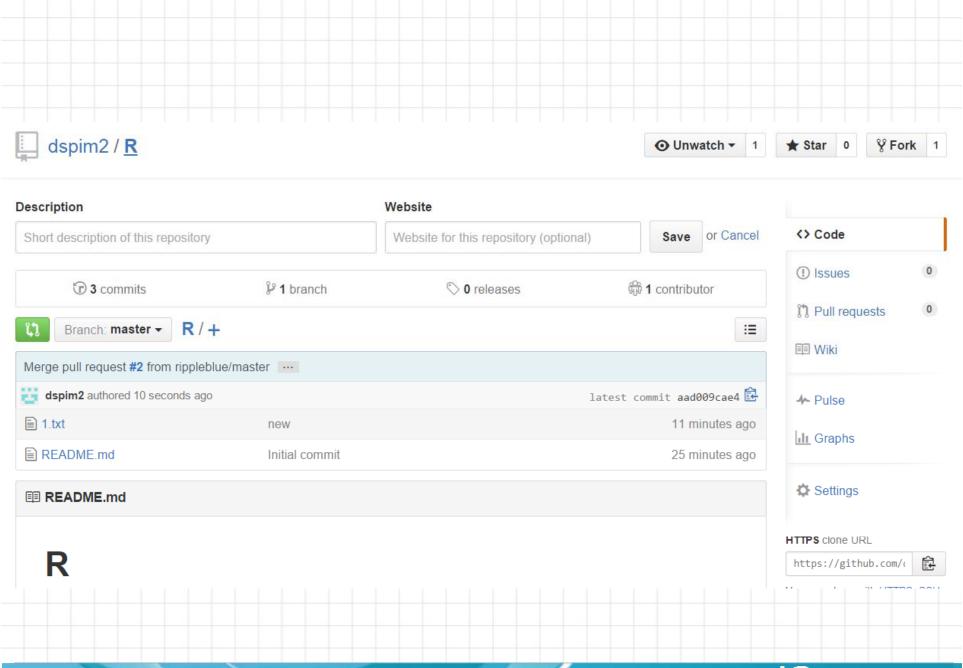
Merge pull request #2 from rippleblue/master

Something new2

№ Confirm merge

Cancel









What is Git?

Git [編輯]

Git是一個分散式版本控制軟體,最初由林納斯·托瓦茲(Linus Torvalds)創作,於2005年以GPL釋出。最初目的是為更好地管理Linux內核開發而設計。應注意的是,這與GNU Interactive Tools^[5](一個類似Norton Commander介面的檔案管理器)有所不同。

Git最初的開發動力來自於BitKeeper和Monotone^{[6][7]}。Git最初只是作為一個可以被其他前端(比如Cogito或StGIT^[8])包裝的後端而開發的,但後來Git內核已經成熟到可以獨立地用作版本控制^[9]。很多著名的軟體都使用Git進行版本控制^[10],其中包括Linux內核、X.Org伺服器和OLPC內核等專案的開發流程^[11]。

目錄 [隱藏]

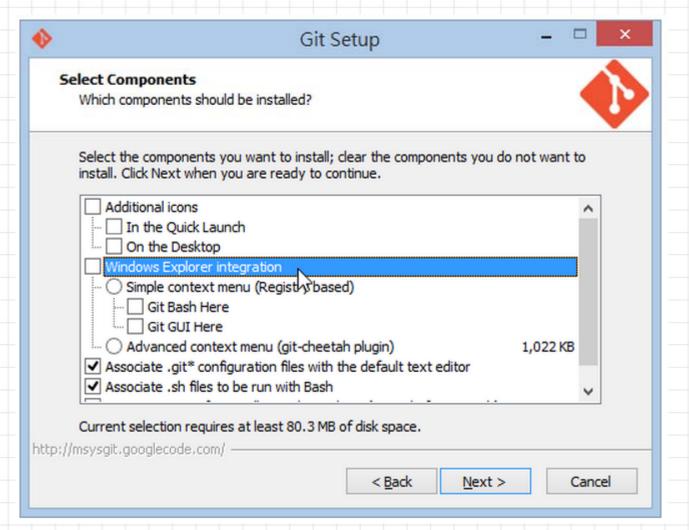
- 1 命名來源
- 2 早期歷史

Git





Install Git on windows



• 其餘 Default



What is Bluemix

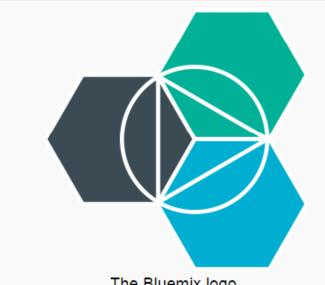
IBM Bluemix is a cloud platform as a service (PaaS) developed by IBM. It supports several programming languages and services^[1] as well as integrated DevOps to build, run, deploy and manage applications on the cloud. Bluemix is based on Cloud Foundry open technology and runs on SoftLayer infrastructure. Bluemix supports several programming languages^[2] including Java, Node.js, Go, PHP, Python, Ruby Sinatra, Ruby on Rails and can be extended to support other languages such as Scala^[3] through the use of buildpacks.[4]

It took a team of people located in different places only 18 months to build Bluemix from initial concept to public availability. [5] It was announced as a public beta in February 2014^[6] and generally available in June.

References [edit]

- 1. ^ IBM Bluemix catalog ☑
- 2. ^ What are the languages supported by BlueMix? ☑

IBM Bluemix



The Bluemix logo.

Developer(s) IBM

Initial release 30 June 2014; 14 months

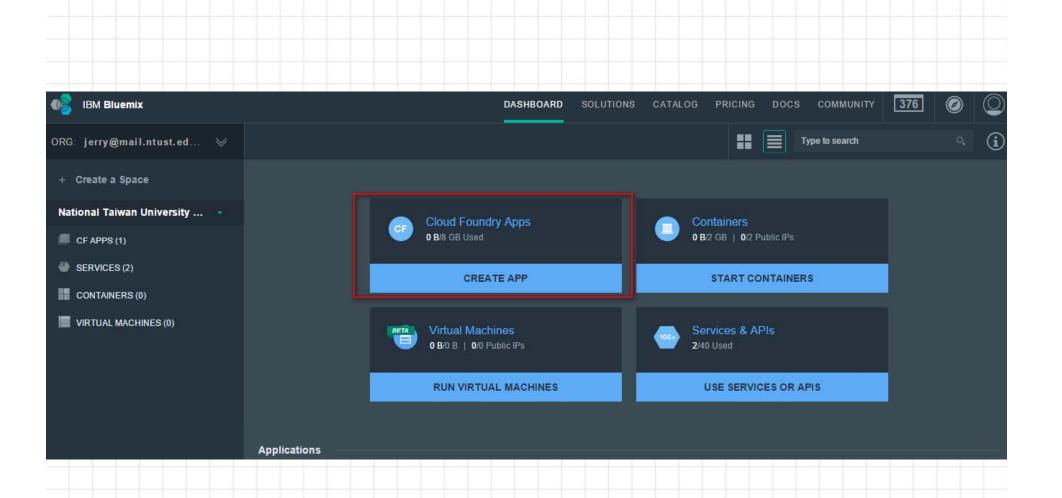
ago

Development status active

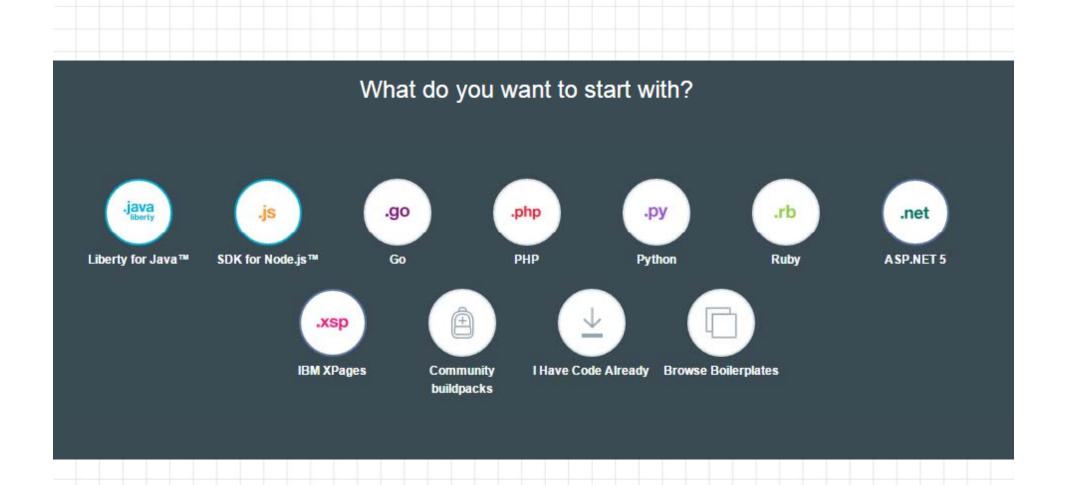
Written in Python, Java, PHP

Website http://www.ibm.com/cloud-

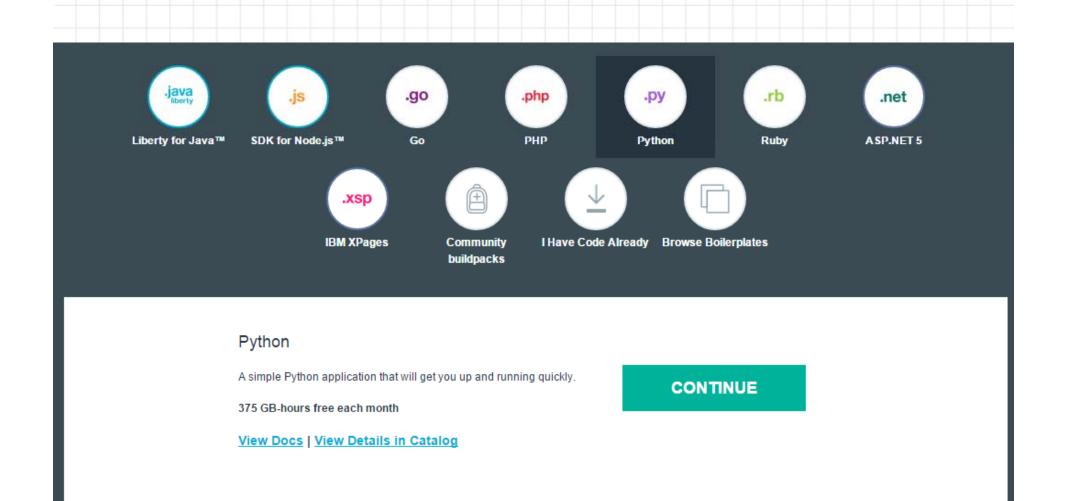
computing/bluemix/



dSp dsp.im











Start coding with Git

You can create a hosted Git repository that deploys to IBM® Bluemix™ automatically. Then, you can modify the code that runs in your app by pushing changes to the Git repository.

- To get started, on the app's Overview page, click ADD GIT.
- In the window that opens, make sure that the Populate the repository with the starter application package and enable

 Delivery Pipeline (Build & Deploy) check box is selected. The Git repository is created. If starter code is available, it is loaded into the repository. In addition, the application is deployed by the Delivery Pipeline service running in IBM Bluemix DevOps





- a. If you use the command line:
 - I. Clone your Git repository from the Git URL on the app's Overview page.
 - II. In your favorite editor, update the code.
 - III. From the Git command line interface, push your changes.
- b. If you use the Web IDE:
 - I. On the app's Overview page, click EDIT CODE . Your project opens in the Web IDE.
 - II. Make changes as needed, and then push by using the built-in Git support.

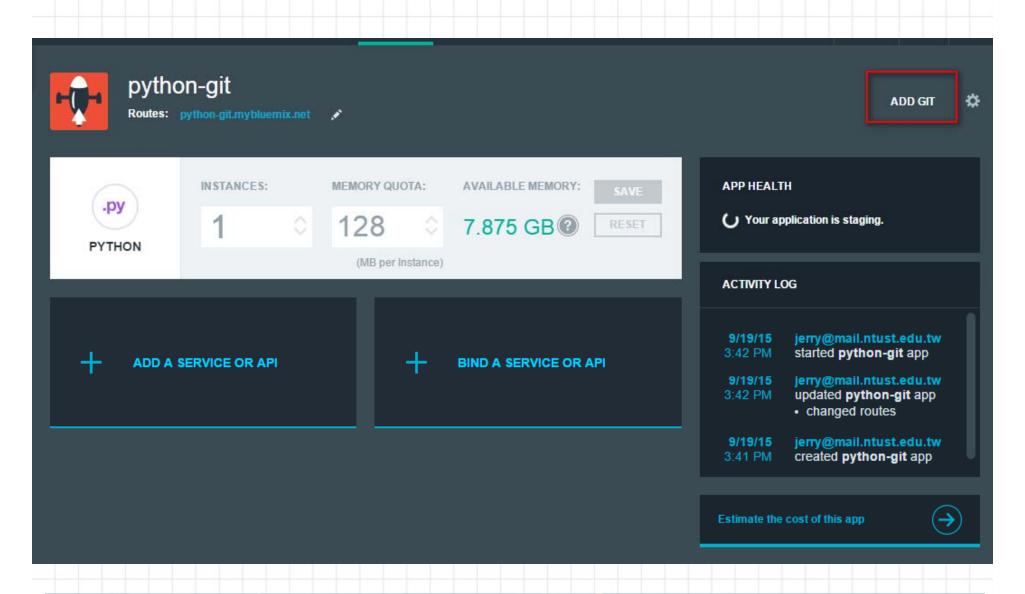
The updated app is redeployed to Bluemix.

(GS) For step-by-step directions, see Set up Git integration and auto-deployment.

VIEW DOCS

VIEW APP OVERVIEW







 \times

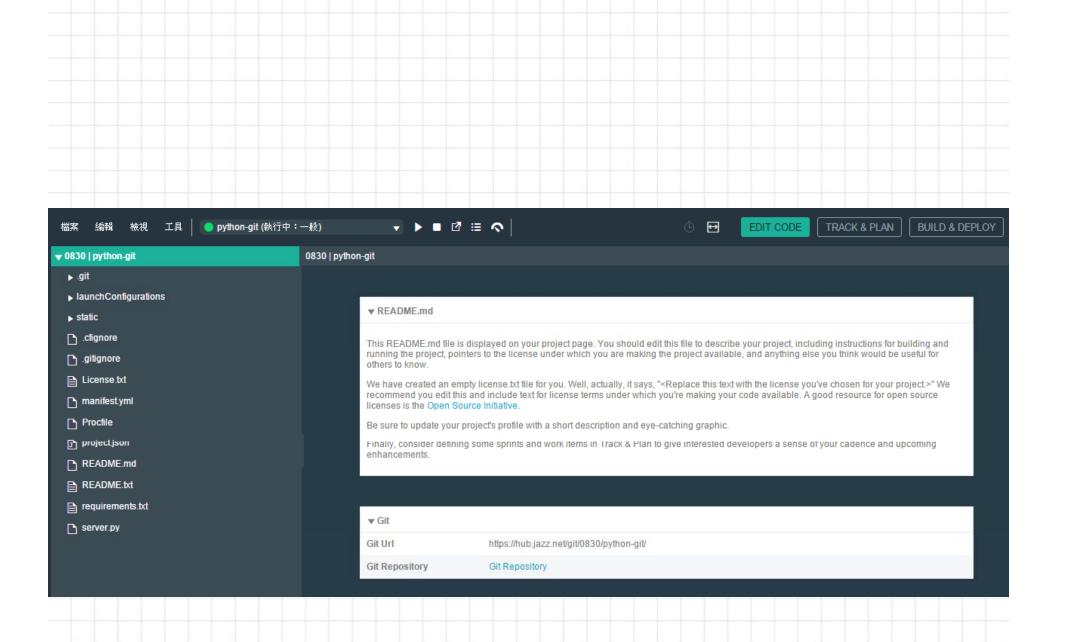
請按 **繼續** 以建立與 python-git 應用程式相關縣的 Git 儲存庫。將變更推送至此儲存庫將對應 用程式觸發的自動部署。

?

☑ 請將入門應用程式套件移入至儲存庫,並啟用 Delivery Pipeline(建置及部署)。

黨變







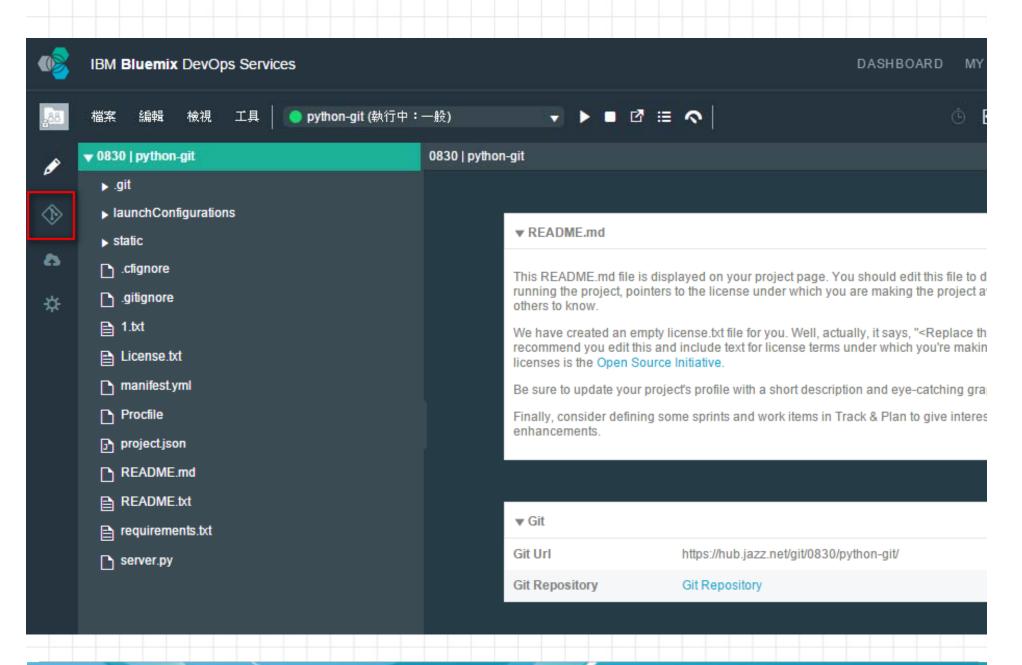
```
C:\Users\rippleblue2002\git>git --version
git version 2.5.3.windows.1
 :\Users\rippleblue2002\git:git clone https://hub.jazz.net/git/0830/python-git/
Iloning into 'pvthon-git'...
Username for 'https://hub.jazz.net': jerry@mail.ntust.edu.tw
Password for 'https://jerry@mail.ntust.edu.tw@hub.jazz.net':
remote: Counting objects: 1/, done
remote: Finding sources: 100% (17/17)
remote: Total 17 (delta 0), reused 17 (delta 0)
Unpacking objects: 100% (17/17), done.
Checking connectivity... done.
 ::\Users\rippleblue2002\git>dir
 磁碟區 C 中的磁碟是 OS
磁碟區序號: 56CE-0C16
 C:\Users\rippleblue2002\git 的目錄
2015/09/19
                                       <DIR>
2015/09/19 下午 05:15
                                       <DIR>
                                                             python-git
2015/09/19 下午 05:15
                                       <DIR>
                                                         0 位元組
                                     92,725,108,736 位元網可用
```

dsp.im

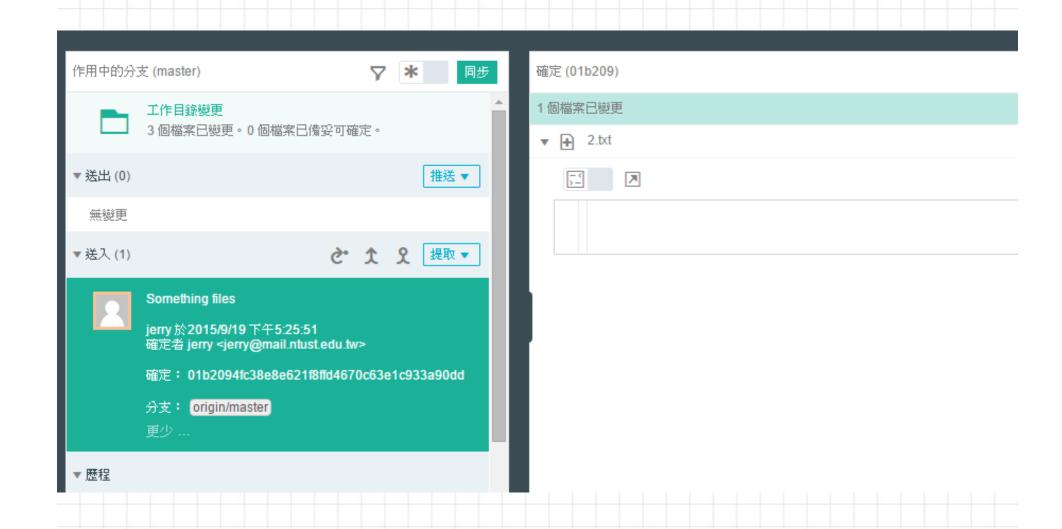


- git add.
- git commit -m "new file" (-m 版本訊息)
- git push









dSp dsp.im



IBM Bluemix DevOps Services



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儲存庫:

0830 | python-git ▼

參照:

master => origin/master ▼





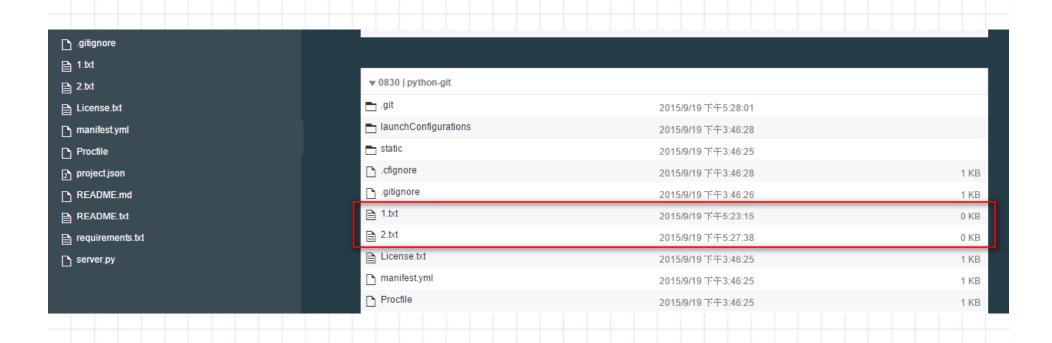
Something files

jerry 於2015/9/19 下午5:25:51 確定者 jerry <jerry@mail.ntust.edu.tw>

確定: 01b2094fc38e8e621f8ffd4670c63e1c933a90dd

分支: origin/master

更少 ...

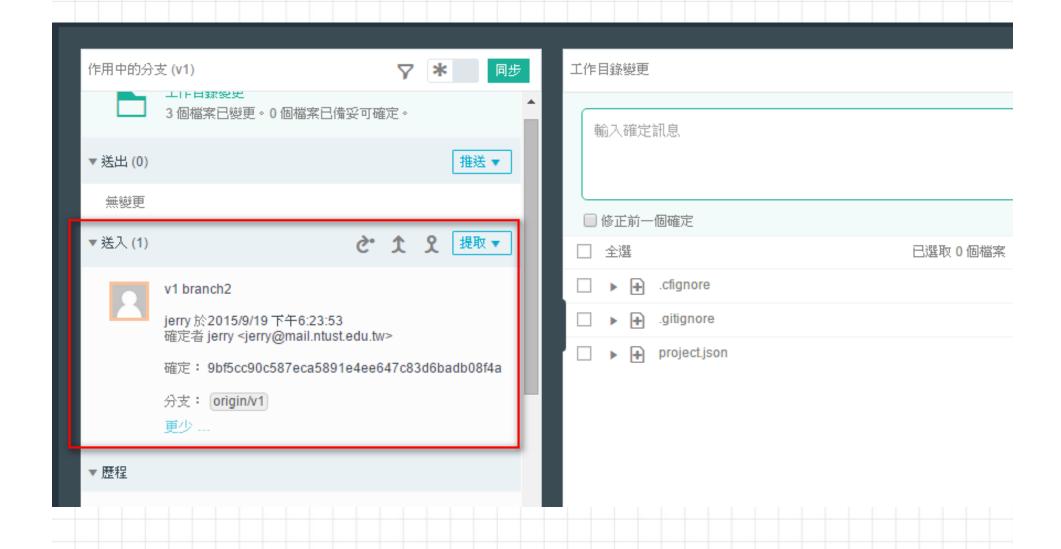




Branch with bluemix

- git branch
- git branch v1
- git checkout v1
- git add.
- git commit –m "v1 branch"
- git push origin v1
- git checkout master
- git merge new1
- git push







Exercise

- Try to commit to repository with bluemix
- Try to push files to repository with bluemix

