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# Python Windows環境安裝

李秉鴻

# 大流程

安裝Python3

安裝Anaconda

安裝Git

安裝Ngrok

啟動Ngrok

下載教材

啟動Anaconda內的jupyter



# Python3安装

李秉鴻

# 在Google上搜尋Python3.7

python3.7



全部



圖片



新聞



影片



購物



更多

設定

約有 14,800,000 項結果 (搜尋時間：0.33 秒)

[Download Python | Python.org](https://www.python.org)

[https://www.python.org > downloads](https://www.python.org/downloads) ▾ [翻譯這個網頁](#)

16, 2017 Download Release Notes · Python 3.4.7 Aug. 9, 2017 Download Release .... to all other platforms. Download the latest **Python 3** and Python 2 source.

# 點擊Download



The image shows the Python.org homepage. At the top, there is a navigation bar with the Python logo, a 'Donate' button, a search bar with a 'GO' button, and a 'Socialize' button. Below this is a secondary navigation bar with links for 'About', 'Downloads', 'Documentation', 'Community', 'Success Stories', 'News', and 'Events'. The main content area features a large yellow button labeled 'Download Python 3.8.0', which is highlighted with a red rectangle. Below the button, there is text providing links for different operating systems (Windows, Linux/UNIX, Mac OS X, Other) and information about development versions (Prereleases, Docker images) and Python 2.7 releases.

python™

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Community Success Stories News Events

## Download the latest version of Python

**Download Python 3.8.0**

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

Want to help test development versions of Python? [Prereleases](#), [Docker images](#)

Looking for Python 2.7? See below for specific releases

Looking for a specific release?

Python releases by version number:

Release version	Release date
-----------------	--------------

Python 2.7.17	Oct. 19, 2019
---------------	---------------

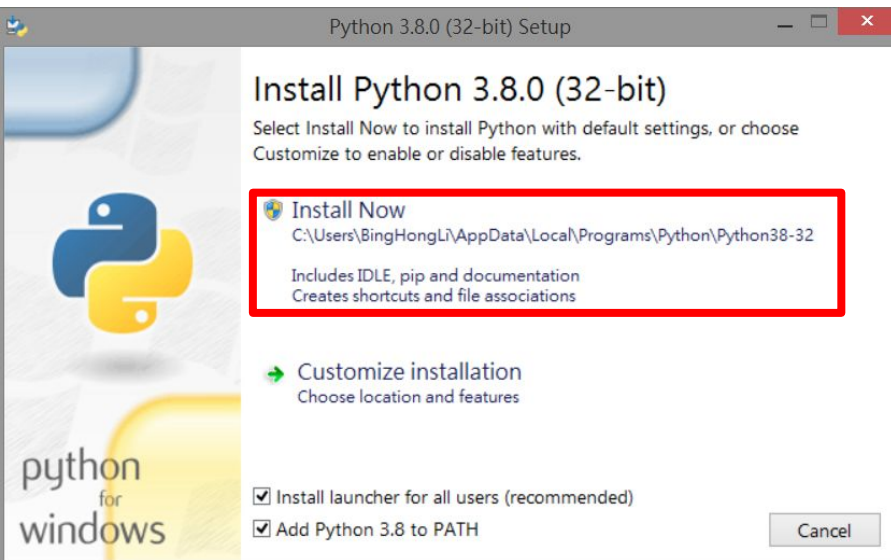


python-3.8.0.exe

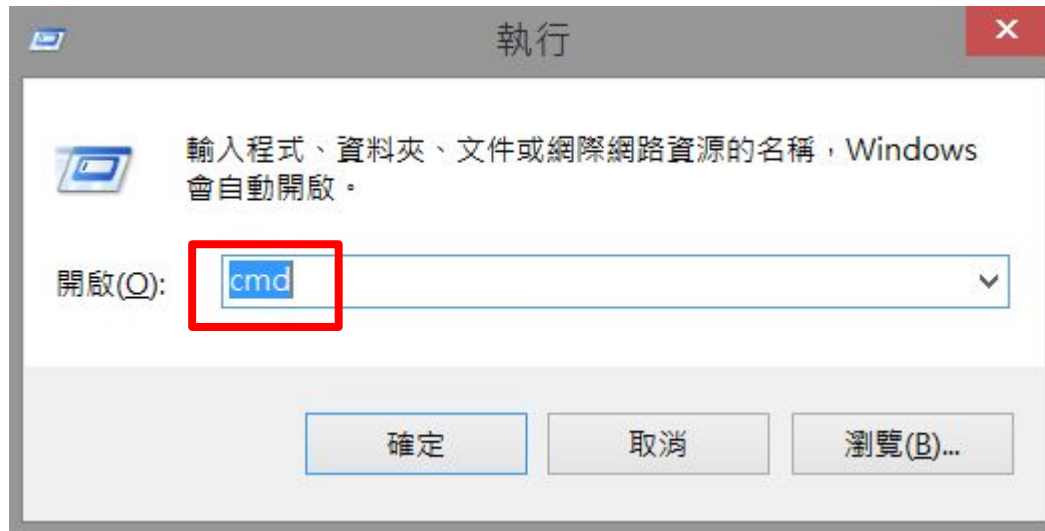
18.2/25.2 MB, 還剩 3 秒



# 執行安裝



# 打開命令列確認





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# 安裝Anaconda

李秉鴻



# 網路上搜尋Anaconda



 全部  影片  圖片  新聞  地圖  更多

設定 工具

約有 46,900,000 項結果 (搜尋時間：0.47 秒)

## Anaconda | The World's Most Popular Data Science Platform

<https://www.anaconda.com> ▼ 翻譯這個網頁

Anaconda is the standard platform for Python data science, leading in open source innovation for machine learning. Develop, manage, collaborate, and govern ...

### Anaconda Distribution

The open-source Anaconda  
Distribution is the easiest way to ...

[anaconda.com](#) 的其他相關資訊 »

### Installing Anaconda

Installation - User guide -  
Anaconda package lists - ...

# 點擊Download下載

[Products](#)[Why Anaconda?](#)[Solutions](#)[Resources](#)[Company](#)[Contact Us](#)[Download](#)

## THE COMPLETE BUYER'S GUIDE TO ENTERPRISE DATA SCIENCE PLATFORMS

A stable platform is the key to operationalizing data science and machine learning. Learn about the key considerations and get an interactive checklist with 60+ features.

[Get the Guide](#)

The Enterprise Data Science Platform for...

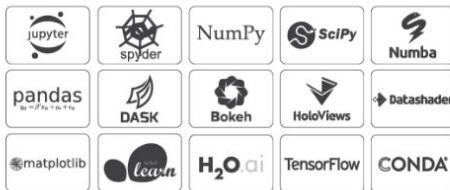
# 選擇Python3.7下載

The World's Most Popular Python/R Data Science Platform

Download

The open-source [Anaconda Distribution](#) is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. With over 15 million users worldwide, it is the industry standard for developing, testing, and training on a single machine, enabling *individual data scientists* to:

- Quickly download 1,500+ Python/R data science packages
- Manage libraries, dependencies, and environments with Conda
- Develop and train machine learning and deep learning models with [scikit-learn](#), [TensorFlow](#), and [Theano](#)
- Analyze data with scalability and performance with [Dask](#), [NumPy](#), [pandas](#), and [Numba](#)
- Visualize results with [Matplotlib](#), [Bokeh](#), [Datashader](#), and [Holoviews](#)



Windows



macOS



Linux

## Anaconda 2019.10 for Windows Installer

### Python 3.7 version

Download

64-Bit Graphical Installer (462 MB)

### Python 2.7 version

Download

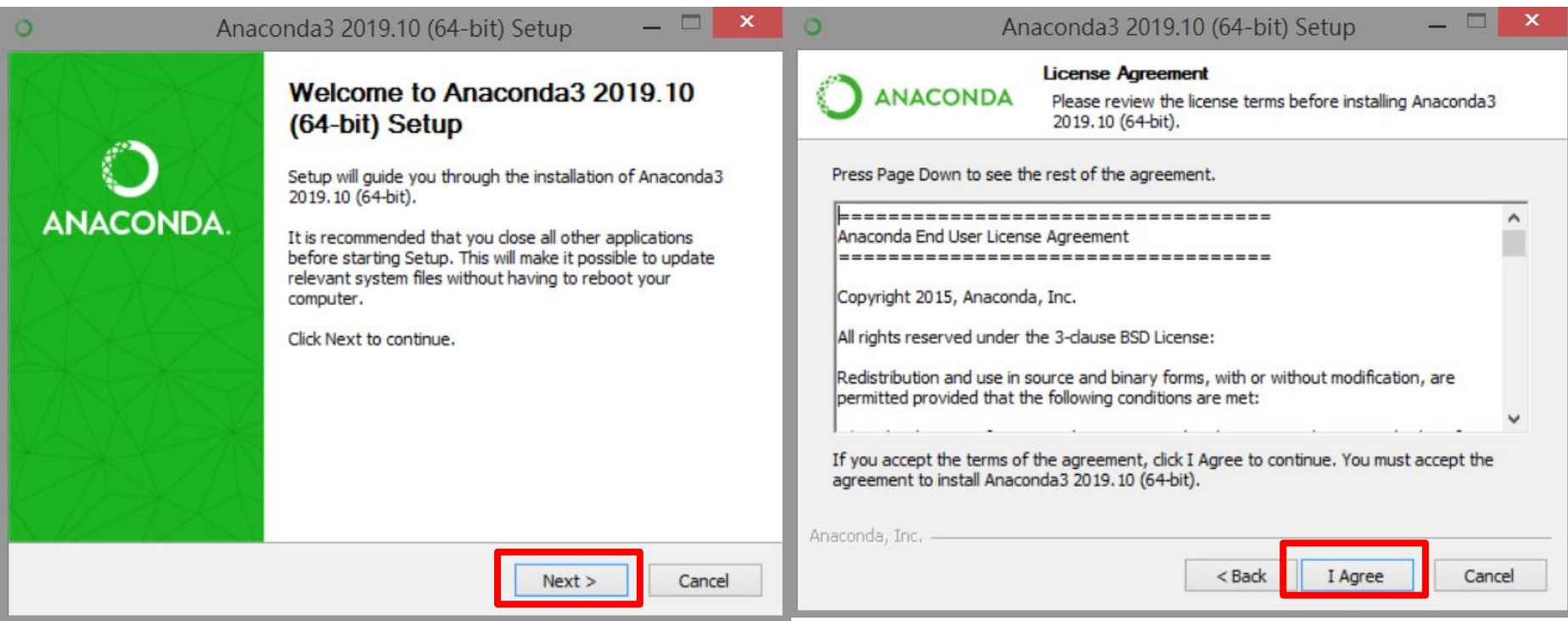
64-Bit Graphical Installer (413 MB)



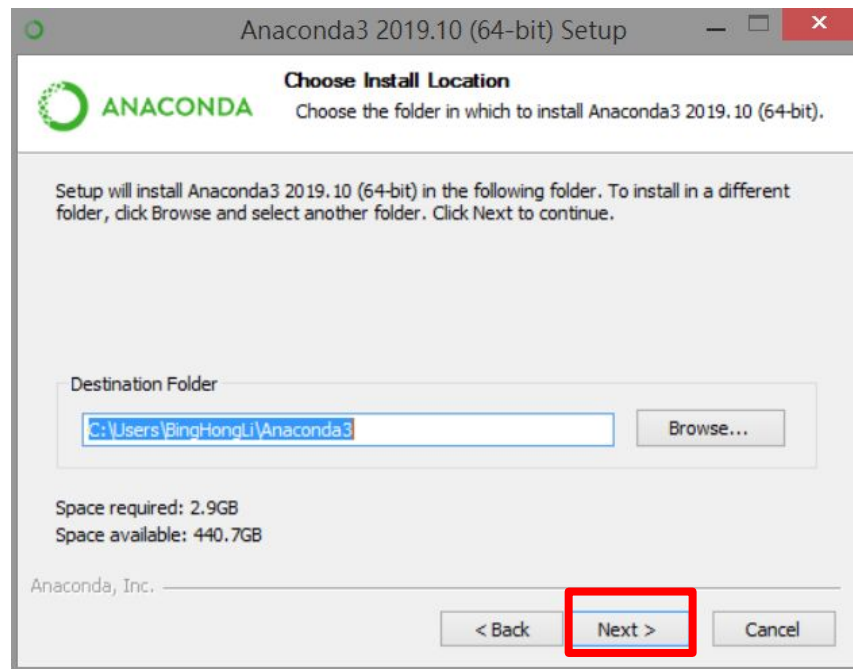
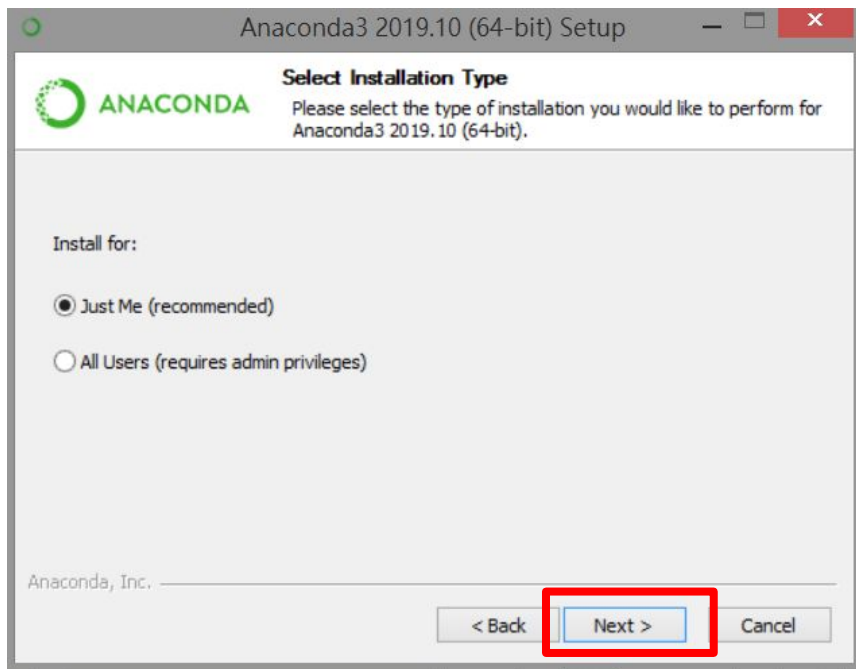
Anaconda3-2019....exe

12.0/462 MB, 還剩 2 分鐘

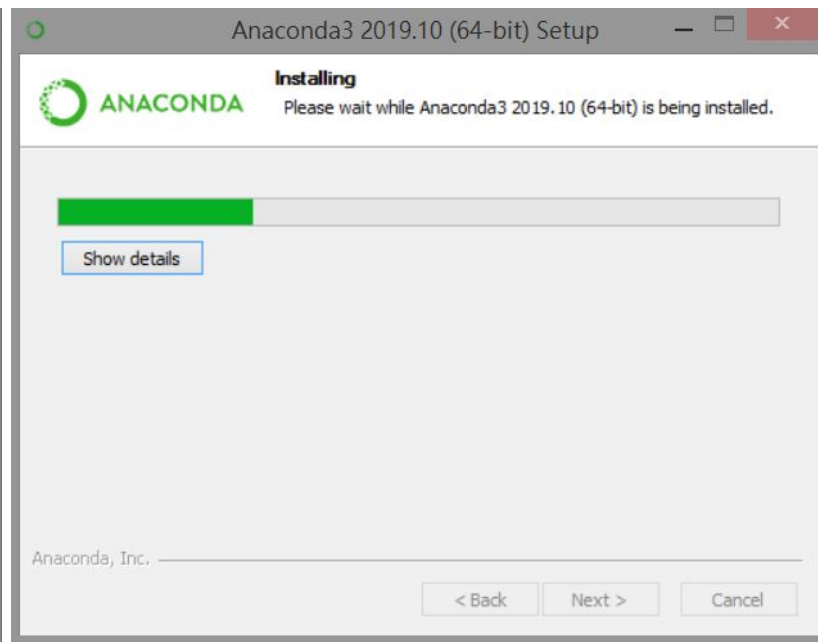
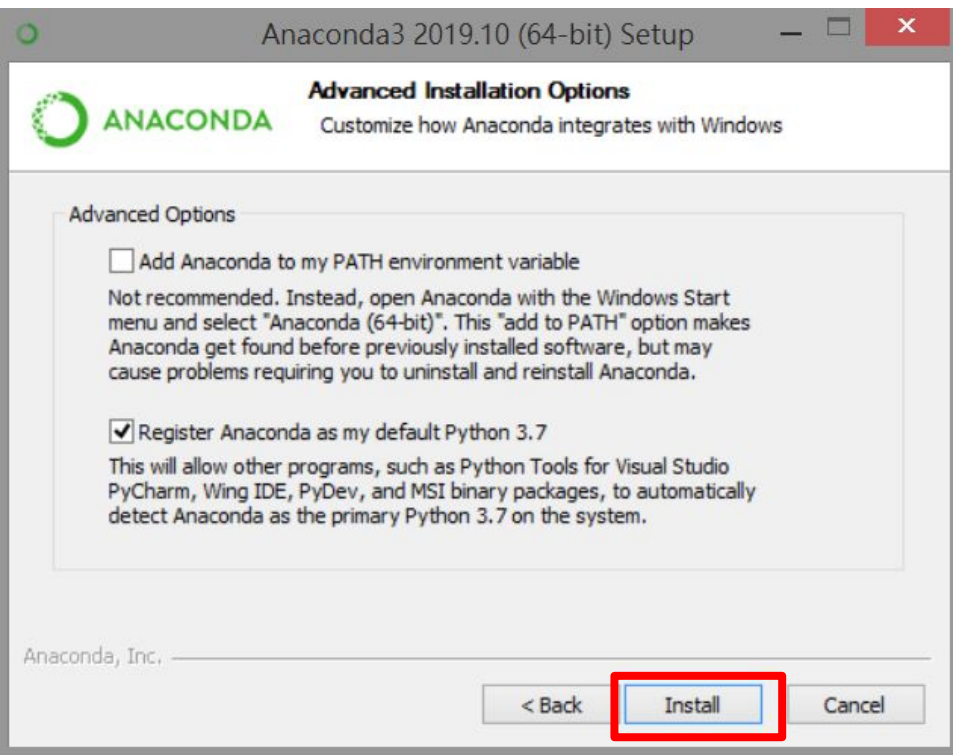
# 點擊安裝



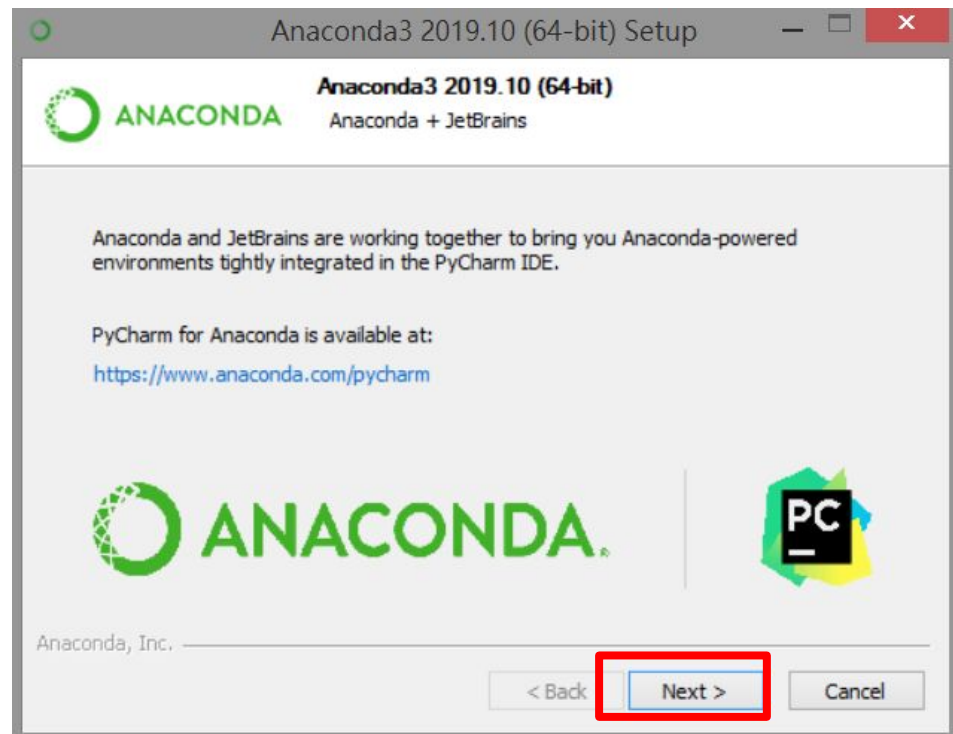
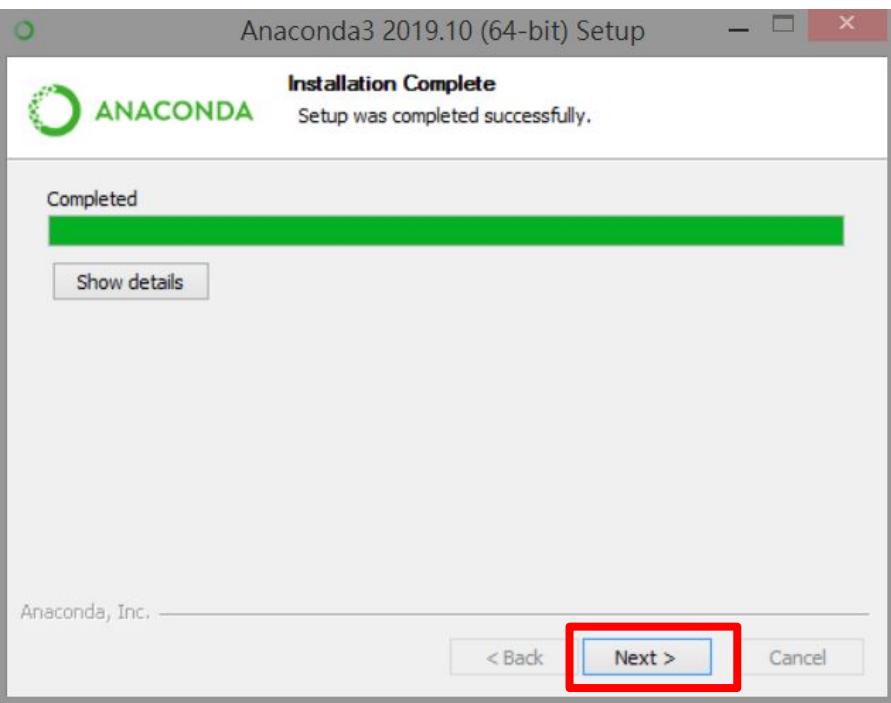
## 照紅框指示點擊



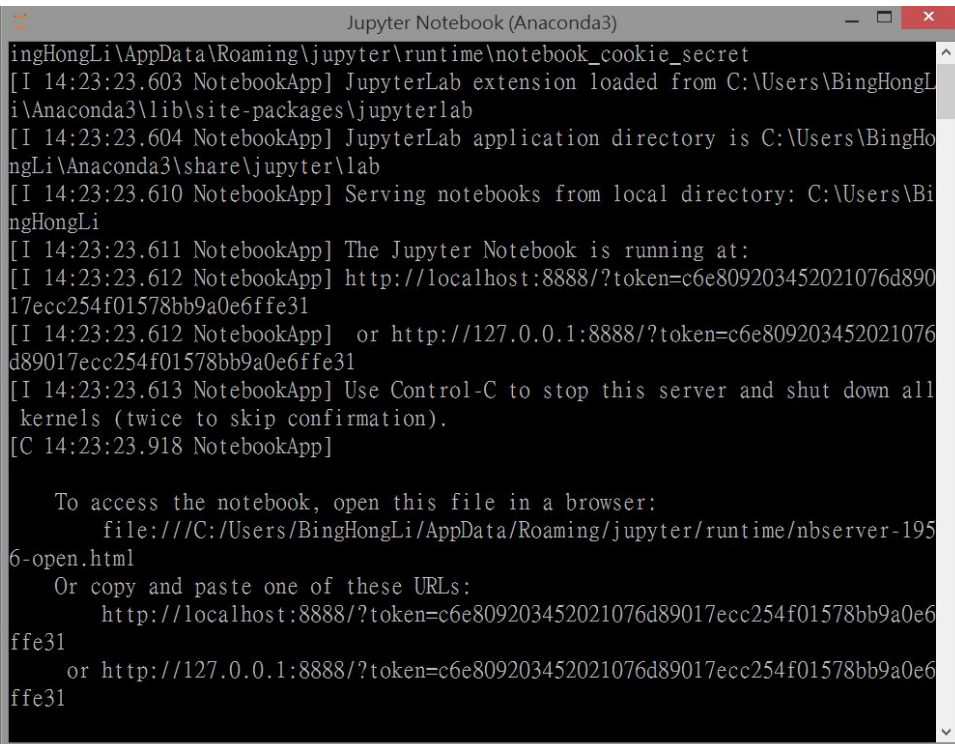
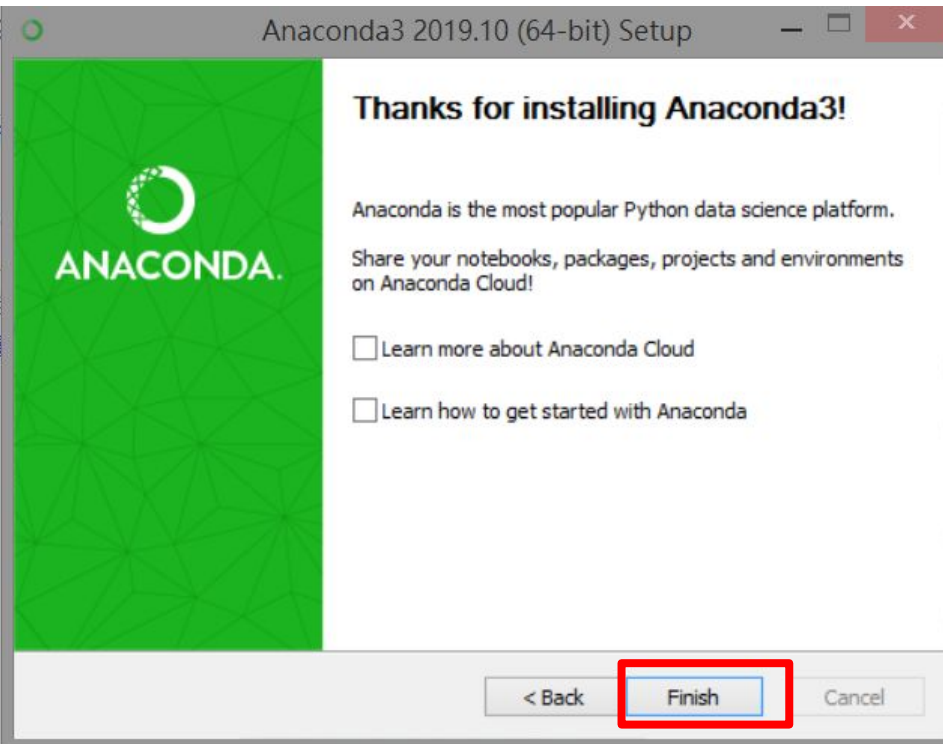
# 點擊Install







# 安裝成功，調用Jupyter





# 用瀏覽器訪問localhost:8888

localhost:8888/tree

jupyter

Quit Logout

Files Running Clusters

Select items to perform actions on them.

Upload New ↕

0 /

Name	Last Modified	File size
Anaconda3	3 分鐘前	
ClientLog	4 年前	
Contacts	5 年前	
Desktop	3 個月前	
Documents	4 分鐘前	
Downloads	28 分鐘前	
Favorites	5 年前	
Intel	5 年前	
Links	3 年前	
Music	2 年前	
myApp	3 年前	
node_modules	3 年前	
OneDrive	1 小時前	
OneDrive.old	1 年前	
Pictures	2 年前	
Quanshi	4 年前	
Roaming	6 年前	
Saved Games	5 年前	

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# 安裝Git

李秉鴻

# 下載Git

git

[全部](#) [圖片](#) [影片](#) [新聞](#) [書籍](#) [更多](#)

約有 415,000,000 項結果 (搜尋時間: 0.38 秒)

**Git**為分散式版本控制系統，是為了更好管理Linux內核而開發的。**Git**可以把檔案的狀態作為更新歷史記錄保存起來。因此可以把編輯過的檔案復原到以前的狀態，也可以顯示編輯過內容的差異。而且，當有人想將編輯過的舊檔案上傳到伺服器、覆蓋其他人的最新檔案時，系統會發出警告，因此可以避免在無意中覆蓋他人的編輯內容。



用Git版本控制【Git的基本介紹】 | 連猴子都能懂的Git入  
<https://backlog.com> > [git-tutorial](#) > [intro](#) > [intro1\\_1](#)

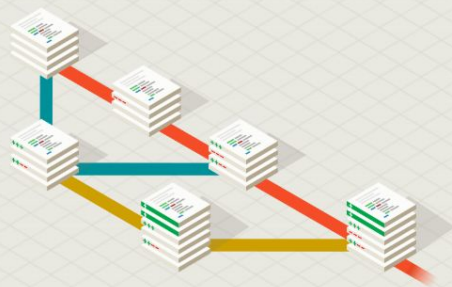
[進一步瞭解這項](#)**Git**<https://git-scm.com> 翻譯這個網頁

Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses tools like Subversion, CVS, Perforce, and ClearCase with features ...

[Downloads](#) · [Windows](#) · [About The advantages of Git](#) · [Git - GUI](#)**git** --everything-is-local

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**.



## About

The advantages of Git compared to other source control systems.



## Documentation

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



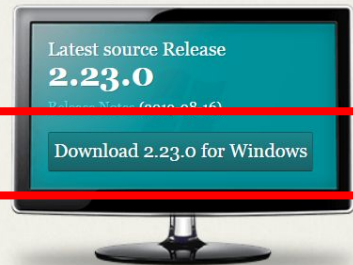
## Downloads

GUI clients and binary releases for all major platforms.




## Community

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



# 開始下載

 **git** --local-branching-on-the-cheap [About](#)[Documentation](#)[Downloads](#)[GUI Clients](#)[Logos](#)[Community](#)

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to [read online for free](#). Dead tree versions are available on [Amazon.com](#).

## Downloading Git



### Your download is starting...

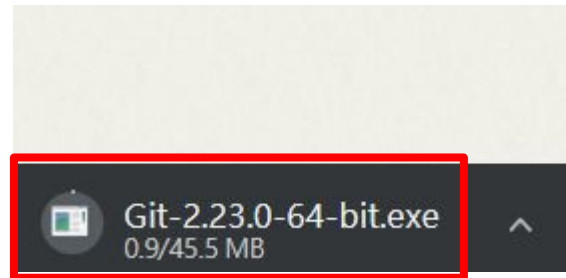
You are downloading the latest (**2.23.0**) **64-bit** version of Git for Windows. This is the most recent [maintained build](#). It was released **2 months ago**, on 2019-08-17.

If your download hasn't started, [click here to download manually](#).

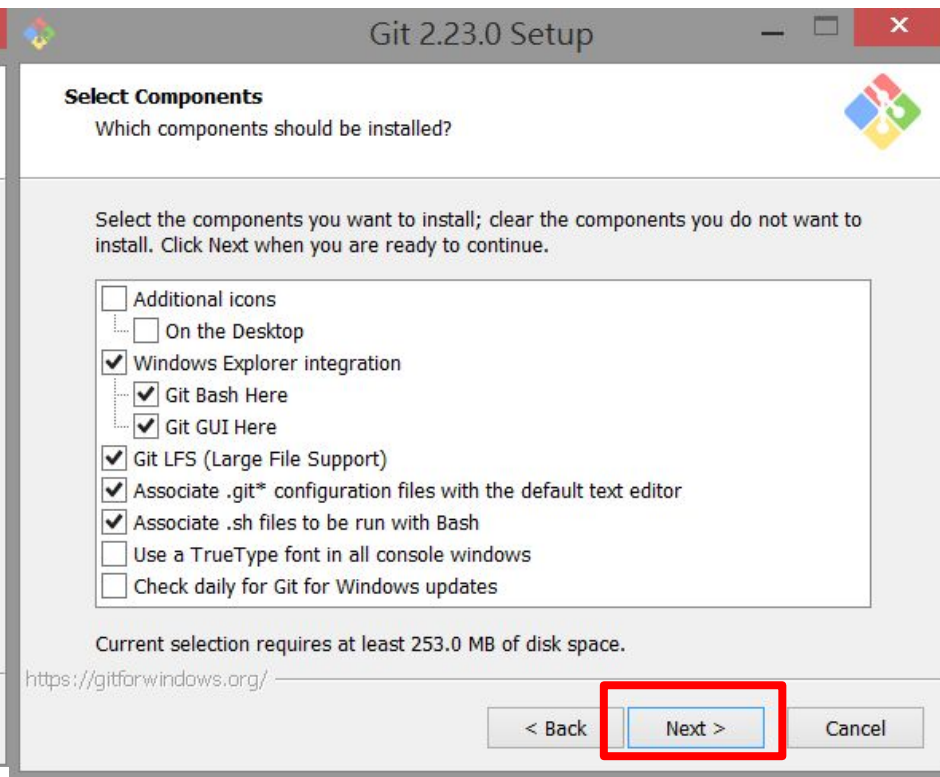
### Other Git for Windows downloads

[Git for Windows Setup](#)[32-bit Git for Windows Setup.](#)[64-bit Git for Windows Setup.](#)[Git for Windows Portable \("thumbdrive edition"\)](#)[32-bit Git for Windows Portable.](#)[64-bit Git for Windows Portable.](#)

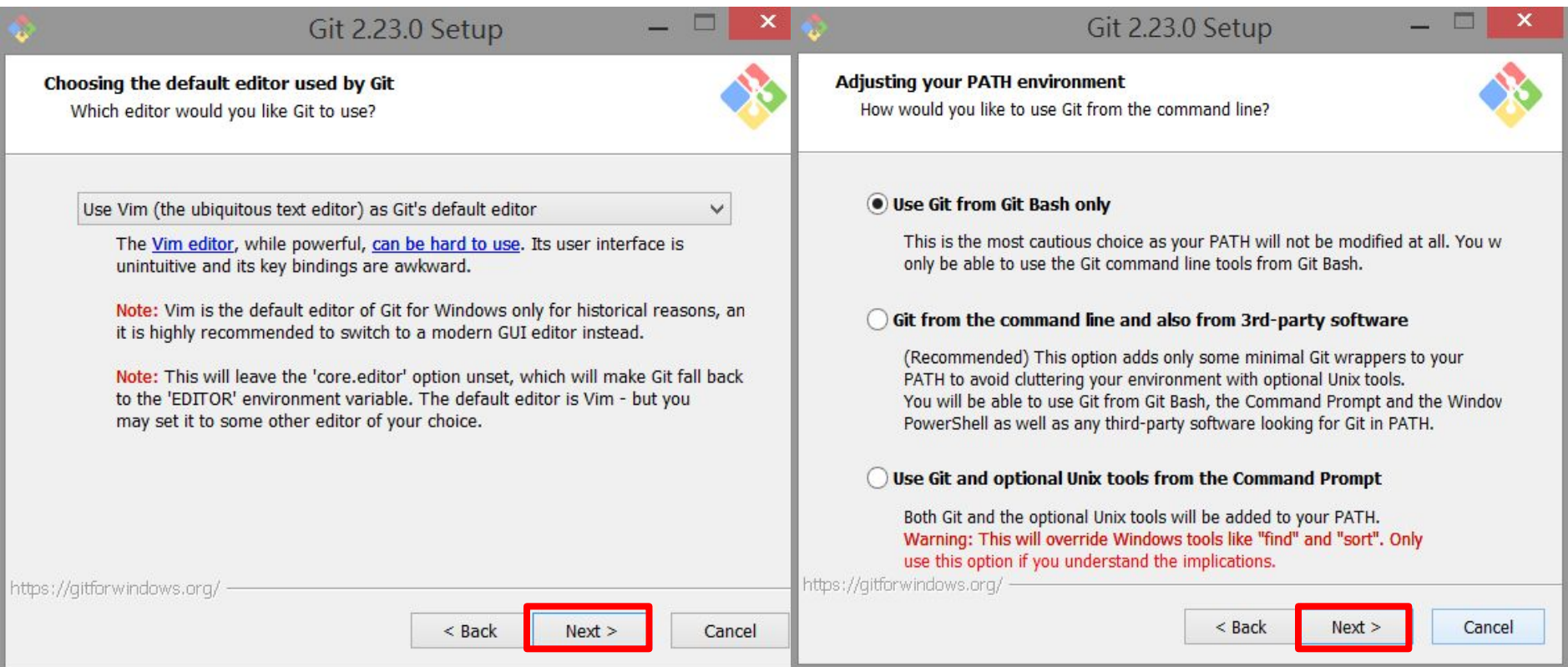
The current source code release is version 2.23.0. If you want the newer version, you can build it from [the source code](#).



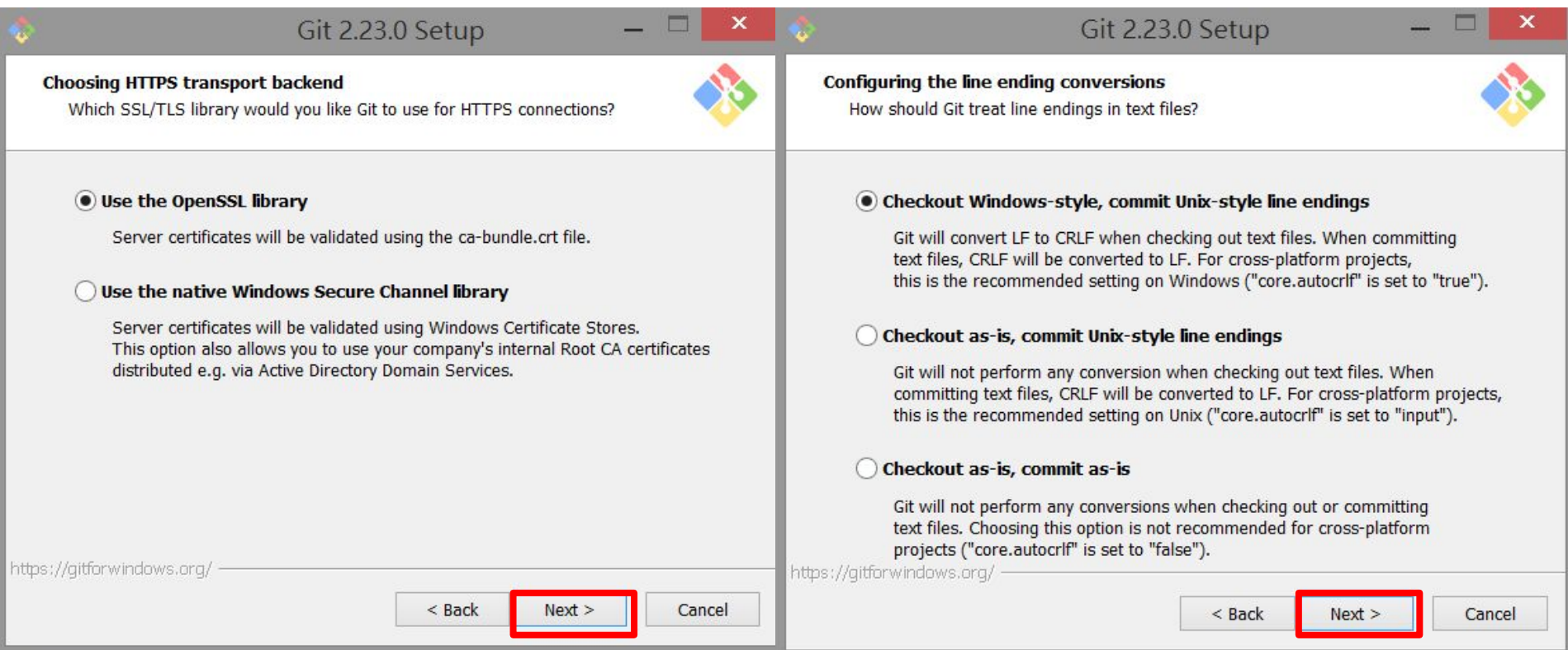
# 按照紅框指示安裝



# 按照紅框指示安裝







Git 2.23.0 Setup

Configuring the terminal emulator to use with Git Bash

Which terminal emulator do you want to use with your Git Bash?

☐ Use MinTTY (the default terminal of MSYS2)

Git Bash will use MinTTY as terminal emulator, which sports a resizable window non-rectangular selections and a Unicode font. Windows console programs (such as interactive Python) must be launched via `winpty` to work in MinTTY.

☒ Use Windows' default console window

Git will use the default console window of Windows ("cmd.exe"), which works with Win32 console programs such as interactive Python or node.js, but has a very limited default scroll-back, needs to be configured to use a Unicode font in order to display non-ASCII characters correctly, and prior to Windows 10 its window was not freely resizable and it only allowed rectangular text selections.

<https://gitforwindows.org/>

< Back

Next >

Cancel

Git 2.23.0 Setup

Configuring extra options

Which features would you like to enable?

☒ Enable file system caching

File system data will be read in bulk and cached in memory for certain operations ("core.fscache" is set to "true"). This provides a significant performance boost.

☒ Enable Git Credential Manager

The [Git Credential Manager for Windows](#) provides secure Git credential storage for Windows, most notably multi-factor authentication support for Visual Studio Team Services and GitHub. (requires .NET framework v4.5.1 or later).

☐ Enable symbolic links

Enable [symbolic links](#) (requires the SeCreateSymbolicLink permission). Please note that existing repositories are unaffected by this setting.

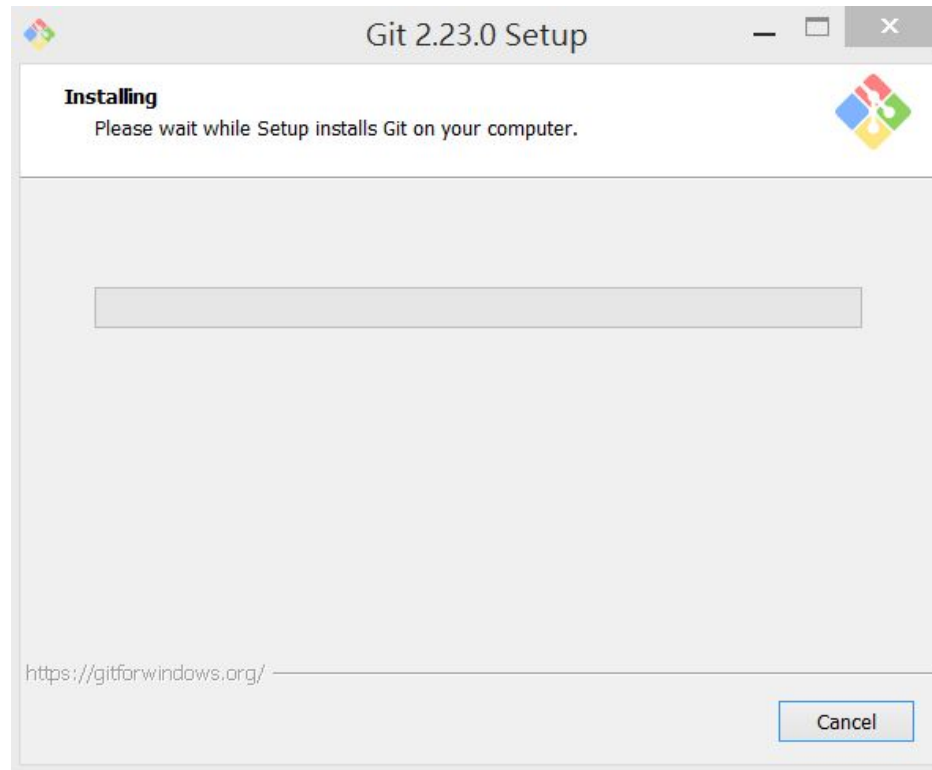
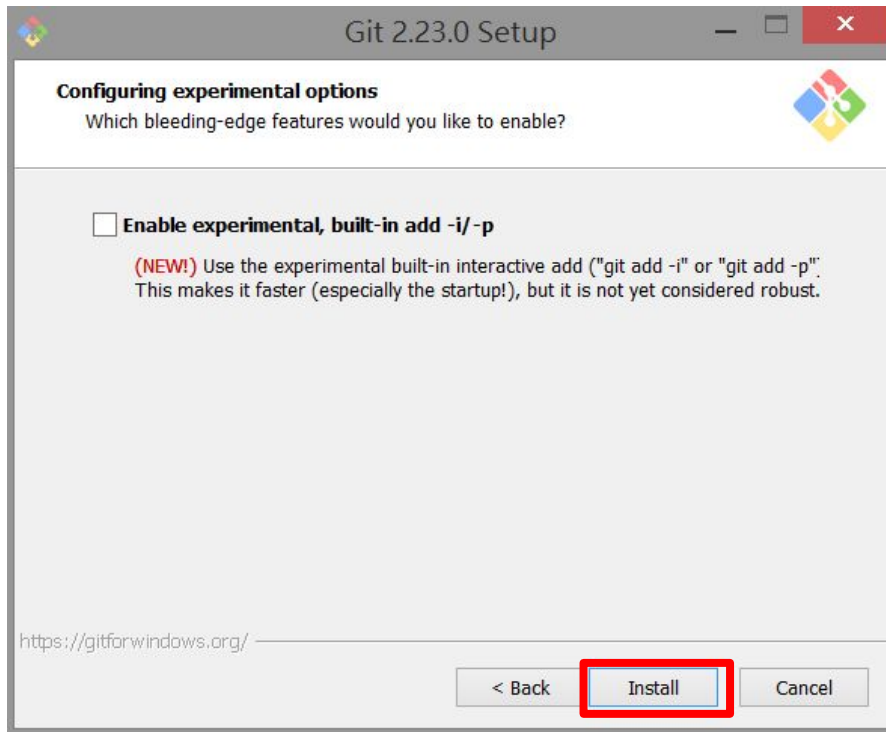
<https://gitforwindows.org/>

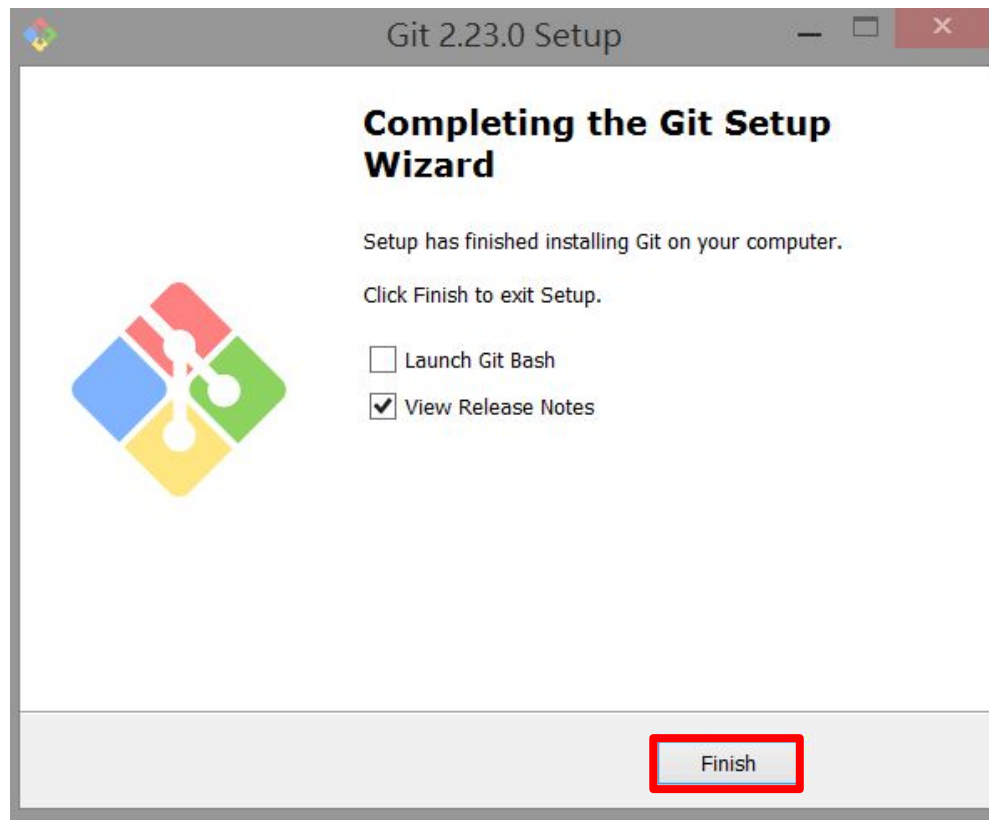
< Back

Next >

Cancel







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# 安裝Ngrok

李秉鴻

Ngrok

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設定

約有 1,920,000 項結果 (搜尋時間：0.23 秒)

[ngrok - secure introspectable tunnels to localhost](#)<https://ngrok.com> ▾ 翻譯這個網頁[ngrok](#) secure introspectable tunnels to localhost webhook development tool and debugging t[Download](#) · [How it works](#) · [Ngrok](#) · [Docs](#)

ngrok

[HOW IT WORKS](#)[PRICING](#)[DOWNLOAD](#)[DOCS](#)[ENTERPRISE SOLUTIONS](#)[LOGIN](#)[SIGN UP →](#)<https://katesapp.ngrok.io>

Welcome to Kate's Site!

It's currently under development...

```
$ ./ngrok http 3000
ngrok by @inconshreveable
```

Session Status

online

Account

Kate Libby (Plan: Pro)

Web Interface

<http://127.0.0.1:4040>

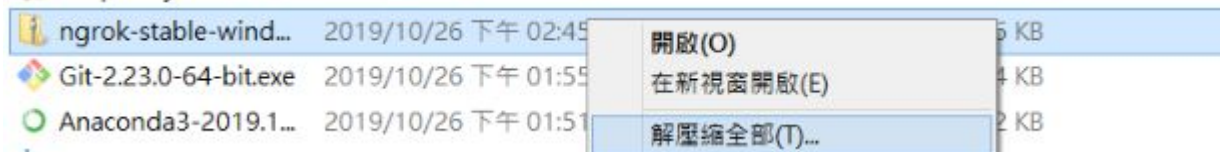
Forwarding

<http://katesapp.ngrok.io> -> localhost:3000

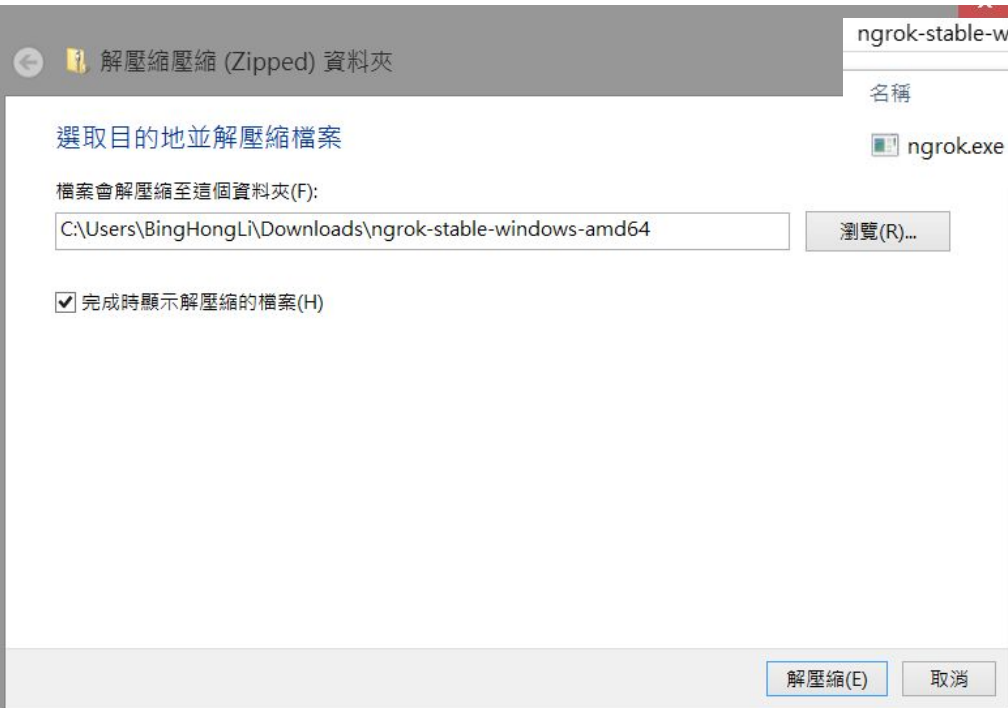
Forwarding

<https://katesapp.ngrok.io> -> localhost:3000

# 下載並解壓縮



# 得到ngrok.exe



ngrok-stable-windows-amd64

名稱

修改日期

類型

大小

ngrok.exe

2019/10/26 下午 ...

應用程式

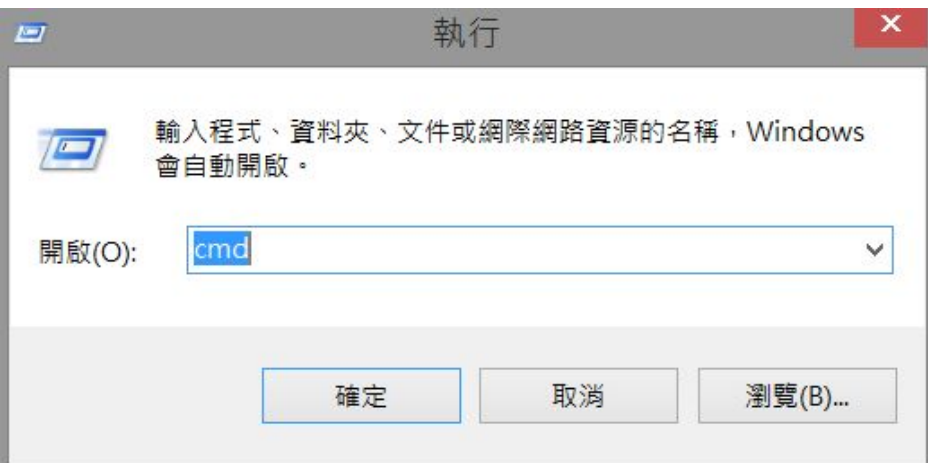
26,131 KB

瀏覽(R)...

解壓縮(E)

取消

## 開啟命令列，進入該資料夾



```
C:\Users\BingHongLi>cd Downloads
```

```
C:\Users\BingHongLi\Downloads>cd ngrok-stable-windows-amd64
```

```
C:\Users\BingHongLi\Downloads\ngrok-stable-windows-amd64>
```

# 啟用Ngrok

ngrok.exe http 5000

```
C:\Users\BingHongLi\Downloads\ngrok-stable-windows-amd64>ngrok.exe http 5000
```

```
ngrok by @inconshreveable (Ctrl+C to quit)
```

```
Session Status      online
Session Expires     7 hours, 59 minutes
Version              2.3.35
Region               United States (us)
Web Interface        http://127.0.0.1:4040
Forwarding            http://aa0c630d.ngrok.io -> http://localhost:5000
Forwarding            https://aa0c630d.ngrok.io -> http://localhost:5000
```

Connections	t1	opn	rt1	rt5	p50	p90
	0	0	0.00	0.00	0.00	0.00

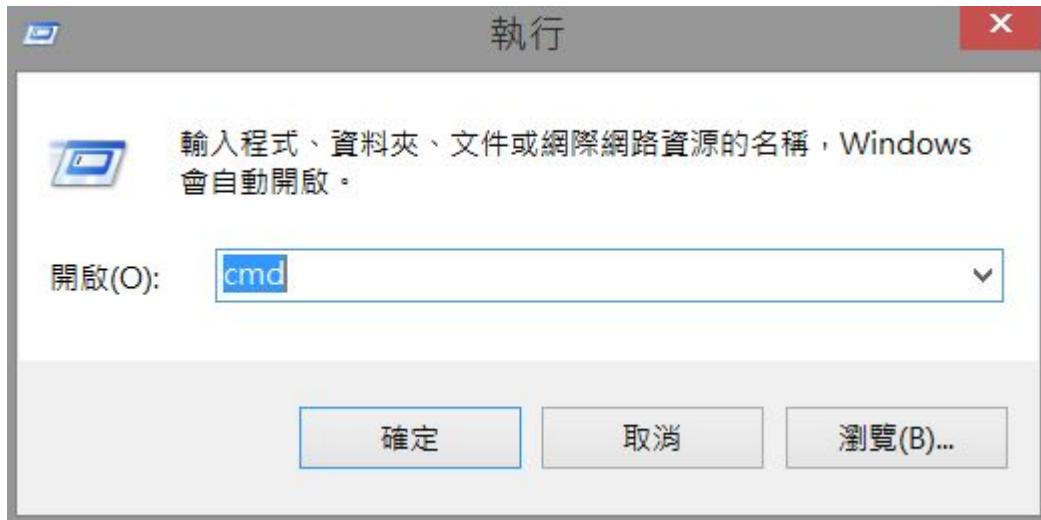


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# 下載教材

李秉鴻

# 開啟命令列



## 環境啟用 - 教材資料夾下載

```
git clone https://github.com/BingHongLi/line_chat_bot_tutorial.git
```

```
C:\Users\BingHongLi>cd Downloads
```

```
C:\Users\BingHongLi\Downloads>git clone https://github.com/BingHongLi/line_chat_bot_tutorial.git
```

```
Cloning into 'line_chat_bot_tutorial'...
```

```
remote: Enumerating objects: 24, done.
```


```
remote: Counting objects: 100% (24/24), done.
```

```
remote: Compressing objects: 100% (21/21), done.
```

```
Receiving objects: 100% (196/196), 9.92 MiB | 1.29 MiB/s, done.
```

```
Resolving deltas: 100% (66/66), done.
```

# 進入Downloads資料夾

 jupyter

QuitLogout

FilesRunningClusters

Select items to perform actions on them.

UploadNew↺

0 /

Name↓Last ModifiedFile size

<input type="checkbox"/>	Anaconda3	34 分鐘前	
<input type="checkbox"/>	ClientLog	4 年前	
<input type="checkbox"/>	Contacts	5 年前	
<input type="checkbox"/>	Desktop	3 個月前	
<input type="checkbox"/>	Documents	35 分鐘前	
<input type="checkbox"/>	Downloads	1 分鐘前	
<input type="checkbox"/>	Favorites	5 年前	
<input type="checkbox"/>	Intel	5 年前	
<input type="checkbox"/>	Links	3 年前	
<input type="checkbox"/>	Music	2 年前	
<input type="checkbox"/>	myApp	3 年前	
<input type="checkbox"/>	node_modules	3 年前	
<input type="checkbox"/>	OneDrive	1 小時前	
<input type="checkbox"/>	OneDrive.old	1 年前	
<input type="checkbox"/>	Pictures	2 年前	
<input type="checkbox"/>	Quanshi	4 年前	
<input type="checkbox"/>	Roaming	6 年前	
<input type="checkbox"/>	Saved Games	5 年前	

# 找到line\_chat\_bot\_tutorial

 jupyter

Quit

Logout

 line\_chat\_bot\_tutorial

1 分鐘前



Quit

Logout

Files

Running

Clusters

Select items to perform actions on them.


Upload

New ▾



0 ▾ / Downloads / line_chat_bot_tutorial				Name ▾	Last Modified	File size
<input type="checkbox"/>	0	▾	/	...	幾秒前	
<input type="checkbox"/>			material		2 分鐘前	
<input type="checkbox"/>			build.sh		2 分鐘前	288 B
<input type="checkbox"/>			dockerfile		2 分鐘前	79 B
<input type="checkbox"/>			LineBotMenu.lbd		2 分鐘前	1.21 MB
<input type="checkbox"/>			start.sh		2 分鐘前	922 B
<input type="checkbox"/>			stop.sh		2 分鐘前	61 B
<input type="checkbox"/>			VERSION		2 分鐘前	7 B

# 教材樣貌

 jupyter

QuitLogout

FilesRunningClusters

Select items to perform actions on them.

UploadNew↺

0

/ Downloads / line\_chat\_bot\_tutorial / material

Name↓Last ModifiedFile size

⋮	..	幾秒前	
📁	images	3 分鐘前	
📁	step1	3 分鐘前	
📁	step2	3 分鐘前	
📁	step3	3 分鐘前	
📁	step4	3 分鐘前	
📁	step5	3 分鐘前	
📁	step6_content	3 分鐘前	
📁	step7_pushmessage_imageapmessage	3 分鐘前	
📁	step8_quickreply_message	3 分鐘前	
📁	step9_flex_message	3 分鐘前	
📄	basic_tutorial.ipynb	3 分鐘前	3.25 kB
🔑	line_secret_key	3 分鐘前	216 B