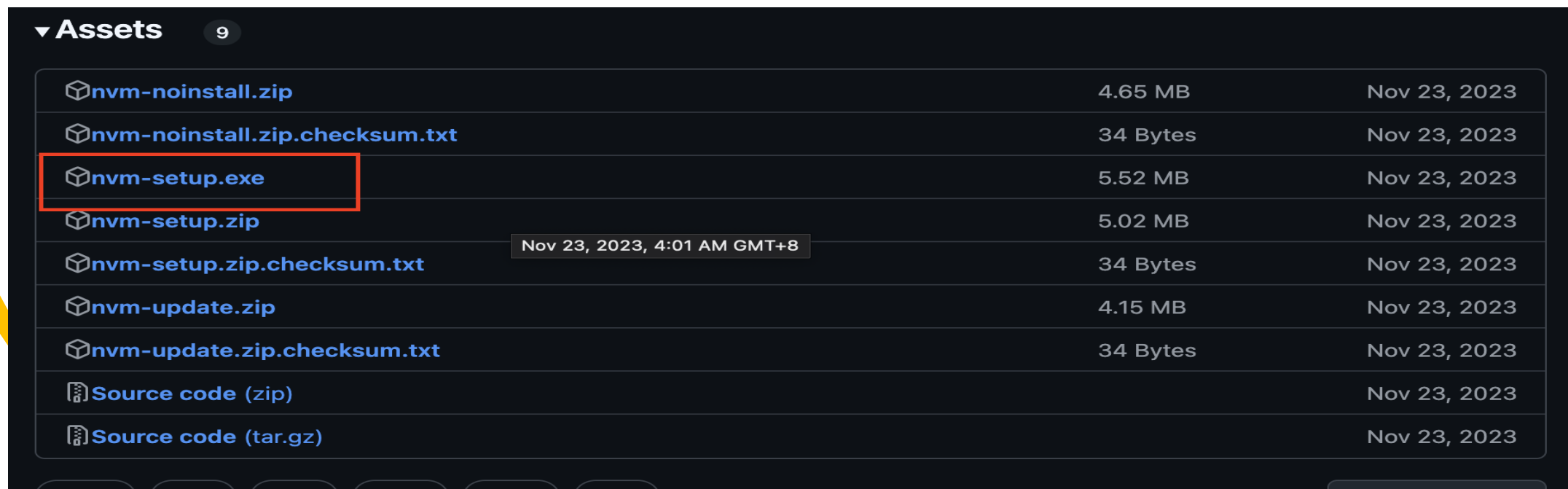


Angular 安裝












安裝 NVM

- 建議使用 nvm 安裝 (node 多版本切換工具)
- 如果是 Windows 請到 <https://github.com/coreybutler/nvm-windows/releases> 下載



▼ Assets 9

 nvm-noinstall.zip	4.65 MB	Nov 23, 2023
 nvm-noinstall.zip.checksum.txt	34 Bytes	Nov 23, 2023
 nvm-setup.exe	5.52 MB	Nov 23, 2023
 nvm-setup.zip	5.02 MB	Nov 23, 2023
Nov 23, 2023, 4:01 AM GMT+8		
 nvm-setup.zip.checksum.txt	34 Bytes	Nov 23, 2023
 nvm-update.zip	4.15 MB	Nov 23, 2023
 nvm-update.zip.checksum.txt	34 Bytes	Nov 23, 2023
 Source code (zip)		Nov 23, 2023
 Source code (tar.gz)		Nov 23, 2023

安裝 NVM

- 如果是 MacOS/Linux 用戶 請參考此網站 <https://github.com/nvm-sh/nvm> 安裝與修改環境路徑

Install & Update Script

To **install** or **update** nvm, you should run the [install script](#). To do that, you may either download and run the script manually, or use the following cURL or Wget command:

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.40.1/install.sh | bash
```

```
wget -qO- https://raw.githubusercontent.com/nvm-sh/nvm/v0.40.1/install.sh | bash
```

Running either of the above commands downloads a script and runs it. The script clones the nvm repository to `~/.nvm`, and attempts to add the source lines from the snippet below to the correct profile file (`~/.bash_profile`, `~/.zshrc`, `~/.profile`, or `~/.bashrc`).

```
export NVM_DIR="$([ -z "${XDG_CONFIG_HOME-}" ] && printf %s "${HOME}/.nvm" || printf %s "${XDG_CONFIG_HOME}/.nvm")"
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm
```

安裝 Node.js

安裝完 NVM 後就可以開始安裝 node，請打開終端機 / 命令提示字元並且輸入以下指令

A screenshot of a Windows Command Prompt window. The title bar reads 'C:\> 命令提示字元'. The text inside the window shows the Windows version 'Microsoft Windows [版本 10.0.19041.1] (c) Microsoft Corporation. 著作權 © Microsoft Corporation. 保留所有權利。' followed by the command 'C:\Users\lingy>node -v' and its output 'v18.14.0'. The prompt 'C:\Users\lingy>' is shown again at the bottom.

```
C:\> 命令提示字元
Microsoft Windows [版本 10.0.19041.1]
(c) Microsoft Corporation. 著作權 © Microsoft Corporation. 保留所有權利。

C:\Users\lingy>node -v
v18.14.0

C:\Users\lingy>
```

Windows

- nvm install 20
- nvm use 20

MacOS

- nvm install 20
- nvm use 20
- nvm alias default 20

執行完畢後等候其安裝結束，並且確認是否安裝成功，輸入 `node -v` 有顯示版本號碼則為安裝成功

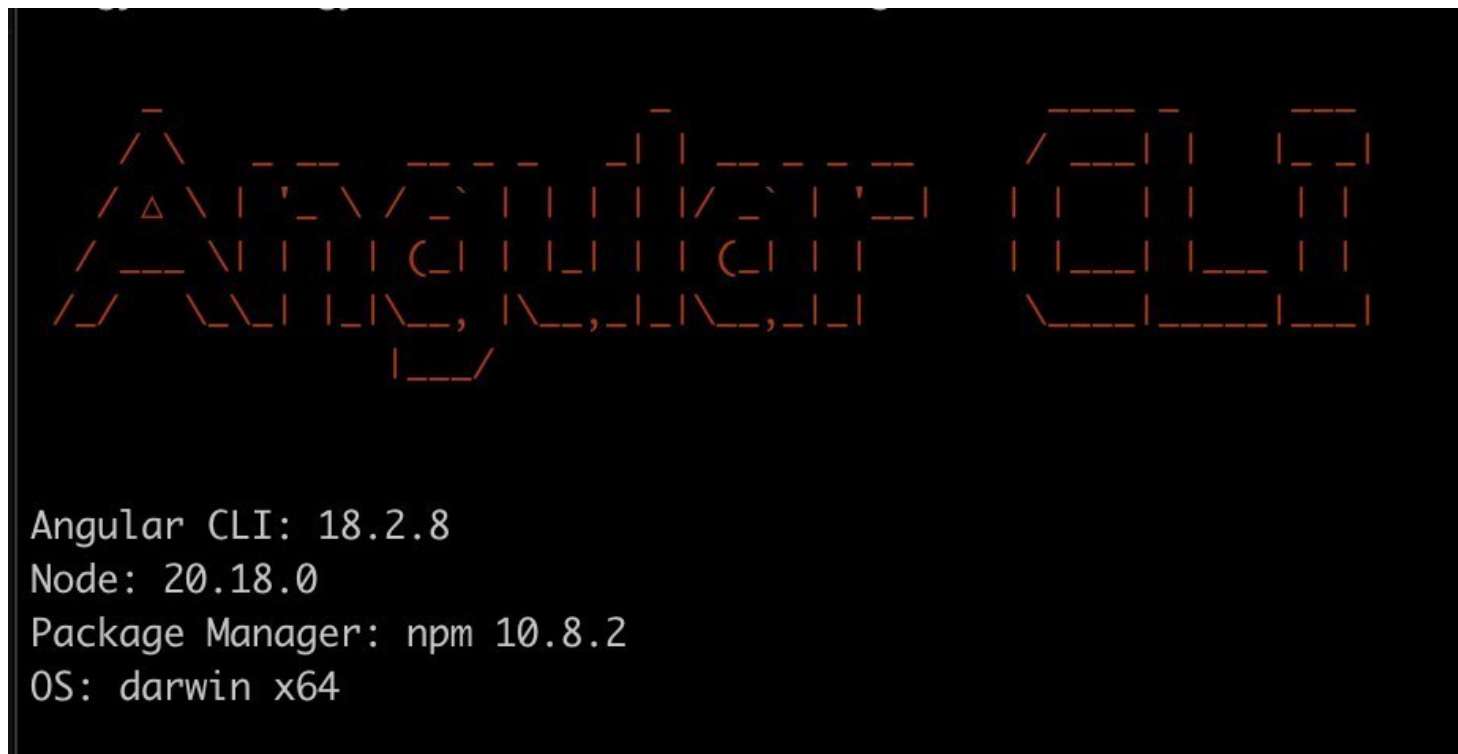
安裝 Angular CLI

為什麼要安裝 Angular CLI? Angular CLI 是什麼?

Angular CLI 是 Angular 團隊創建的工具，用於管理、構建、維護和測試你的 Angular 專案。



安裝 Angular CLI

A terminal window with a black background and orange text. At the top, the words 'Angular' and 'CLI' are displayed in a large, stylized font made of dashed lines. Below this, the text 'Angular CLI: 18.2.8' is shown. Underneath that, 'Node: 20.18.0' is displayed. Then, 'Package Manager: npm 10.8.2' is shown. Finally, 'OS: darwin x64' is displayed at the bottom.

```
Angular CLI: 18.2.8
Node: 20.18.0
Package Manager: npm 10.8.2
OS: darwin x64
```

- 輸入並執行
`npm install -g @angular/cli`
- 安裝完畢後輸入
`ng version`
- 確認會出現版本（如左圖）則是安裝成功

安裝 VS Code

VS Code 是什麼？ Visual Studio Code（簡稱 VS Code）是一款由微軟開發且跨平台的免費原始碼編輯器。

我們之後開發軟體都會使用此編輯器，當然如果有自己習慣的編輯器也可以使用，但是 VsCode 有自己的外掛軟體可支援，如果使用另外的編輯器就不一定有這個外掛軟體可以使用了。

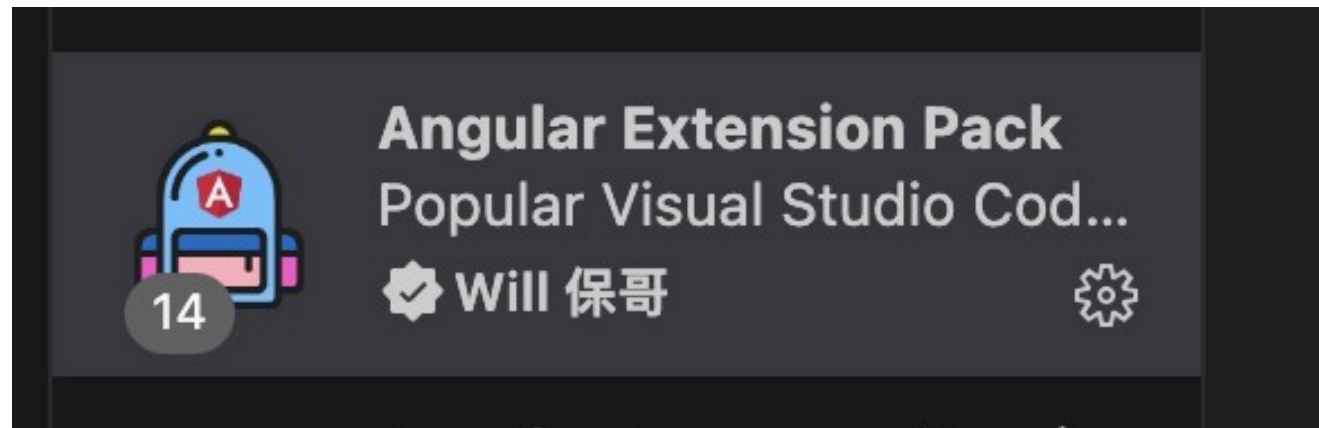


安裝 VS Code

點擊此網站根據你的系統去選擇下載並且安裝

<https://code.visualstudio.com/download>

安裝完畢後打開 VS Code 並且點擊左圖倒數第三個的按鈕新增套件，收尋 Angular Extension Pack（作者為保哥），套件如下圖



安裝結束

