

# Boost Asio Setup Guide

NP TA 源瀨

# Linux

1. Use package manager to install boost library
2. That's all 😎

## Example

- Ubuntu

```
sudo apt install libboost-all-dev
```

# Windows (with Visual Studio)

1. Download Visual Studio from NCTU CA

host: `ftp://ca.nctu.edu.tw`

account: `[your student ID]`

password: `[NCTU portal password]`

path:

`For_Windows/`

`Developer_Tools/`

`Visual_Studio/`

`Visual_Studio_2017/`

Setup EXE:

`Multi_Language/Visual_Studio_Professional_2017_v15_3.EXE`

License:

`Visual_Studio_Licenses.html`

# Windows (with Visual Studio)

Run Setup EXE (Visual\_Studio\_Professional\_2017\_v15\_3.EXE)



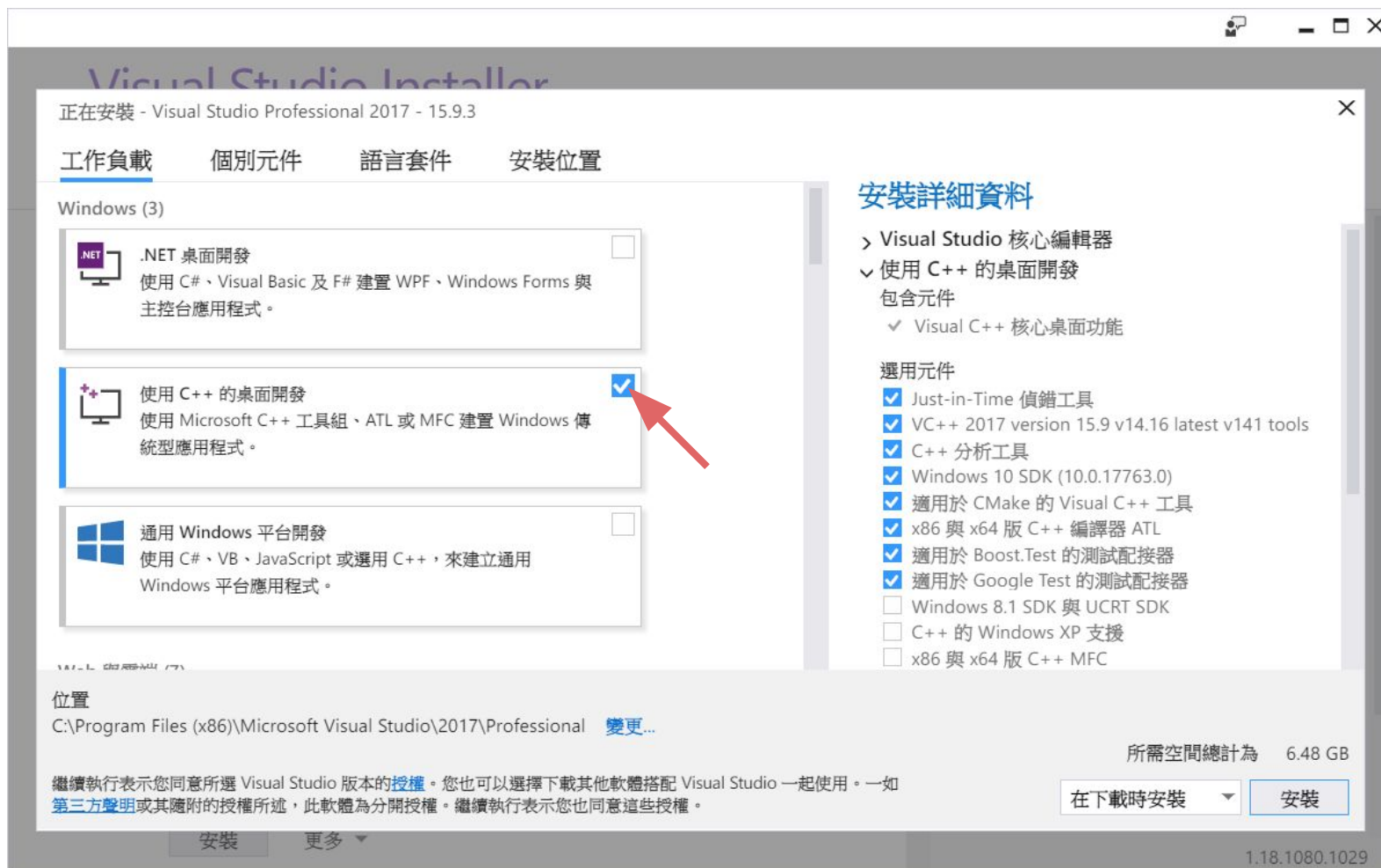
# Windows (with Visual Studio)

Click 繼續



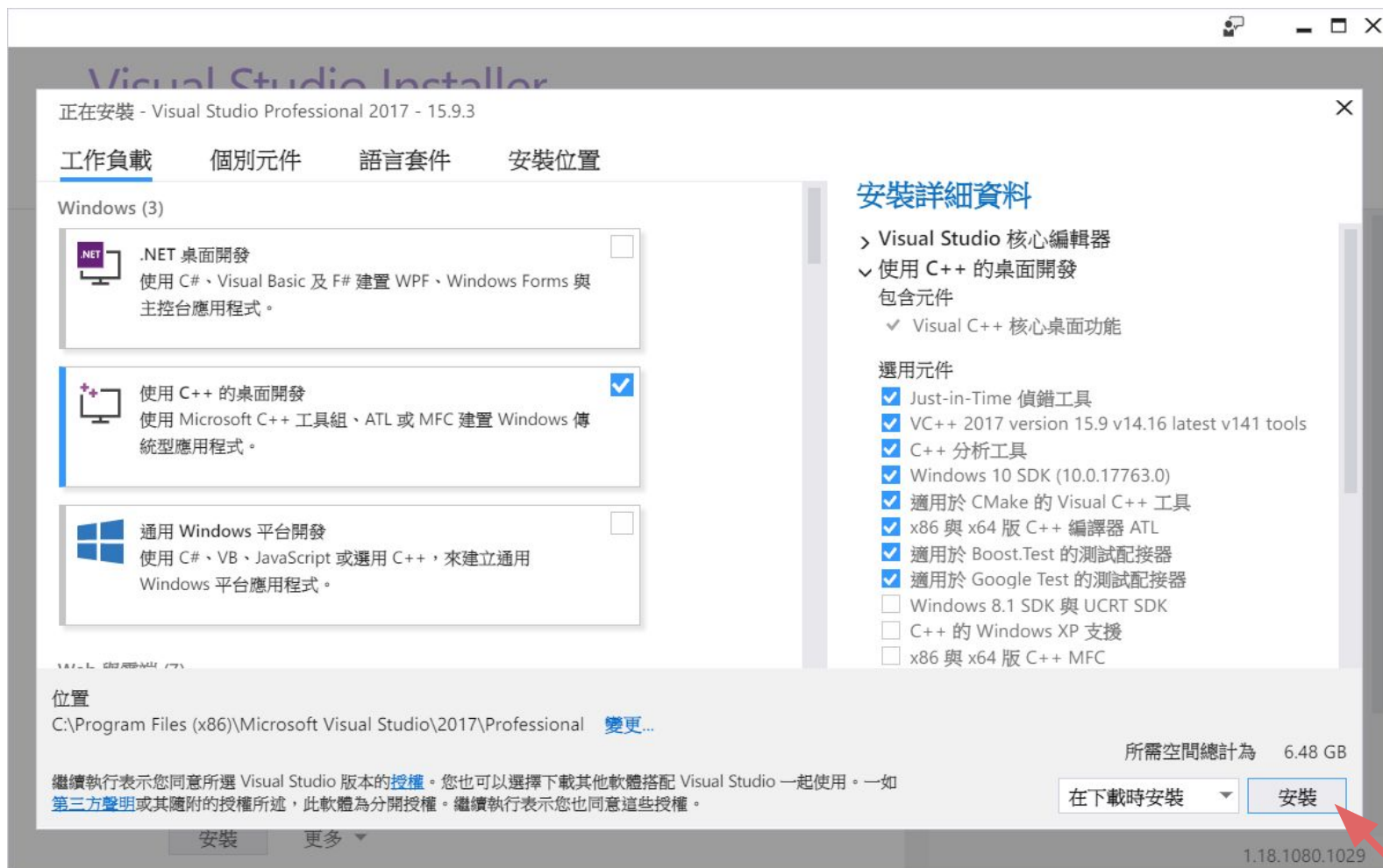
# Windows (with Visual Studio)

Check 使用 C++ 的桌面開發



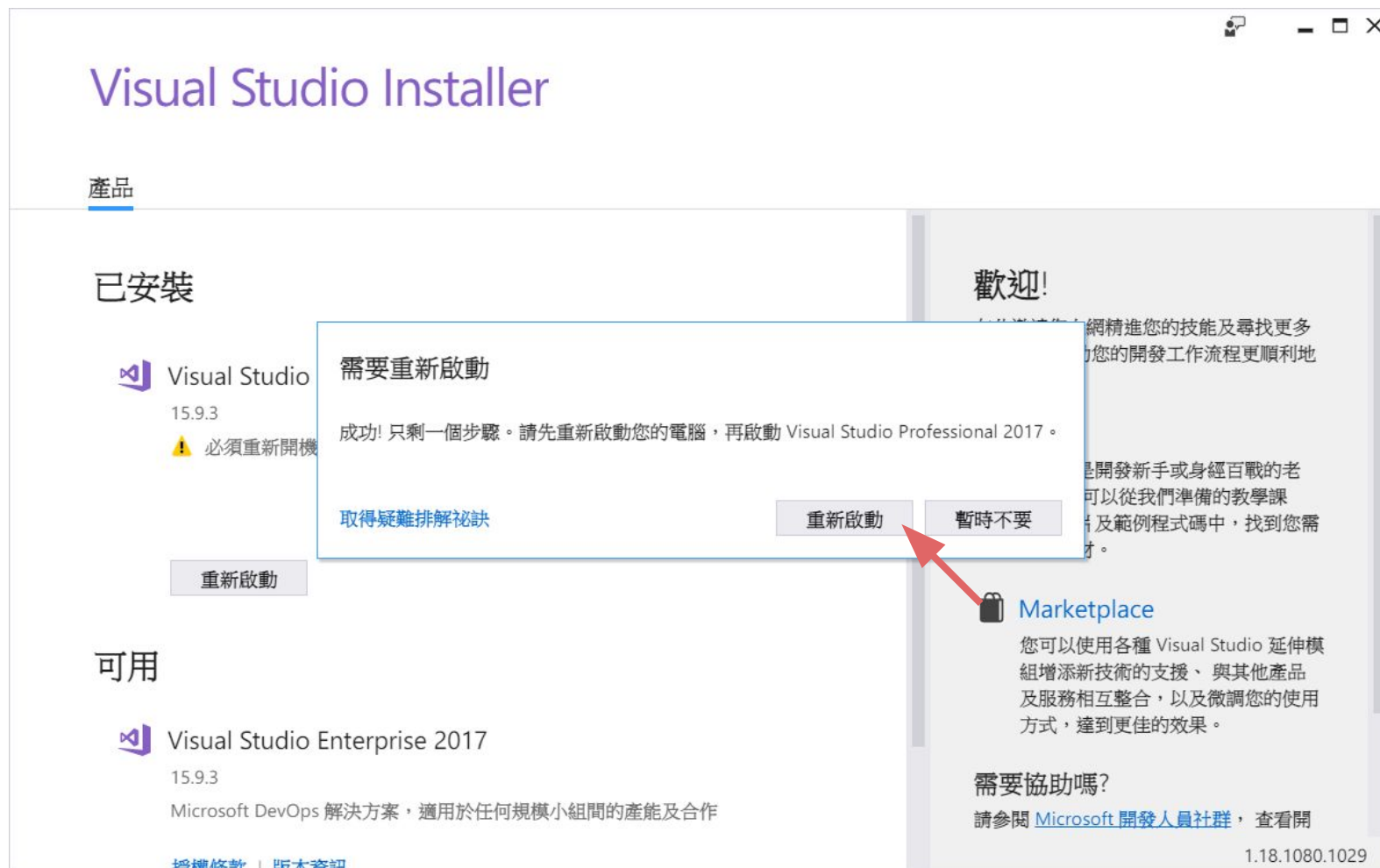
# Windows (with Visual Studio)

Click 安裝



# Windows (with Visual Studio)

Click [重新啟動](#)





# Windows (with Visual Studio)

Open Visual Studio 2017, login (or not 😄)

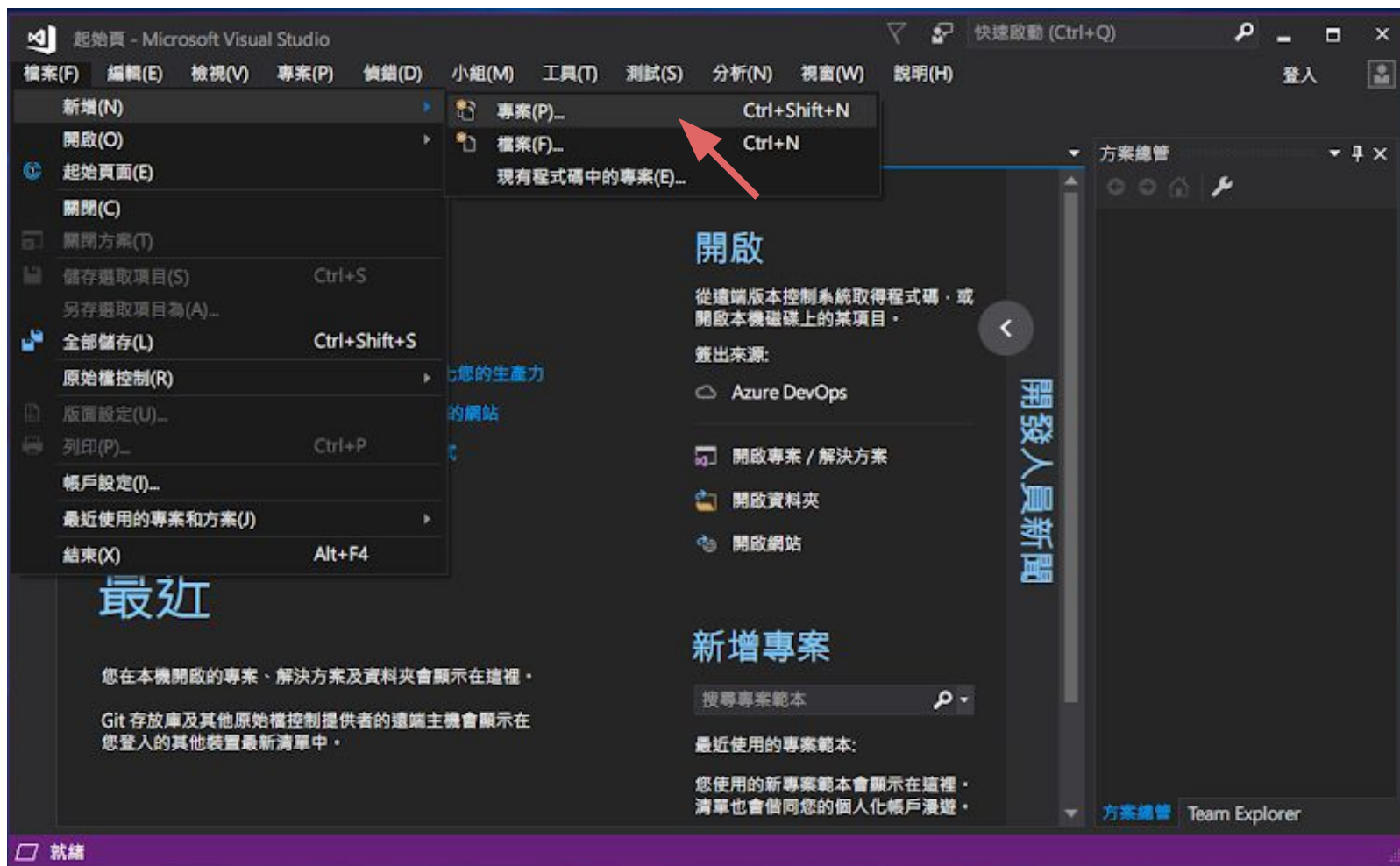


# Windows (with Visual Studio)

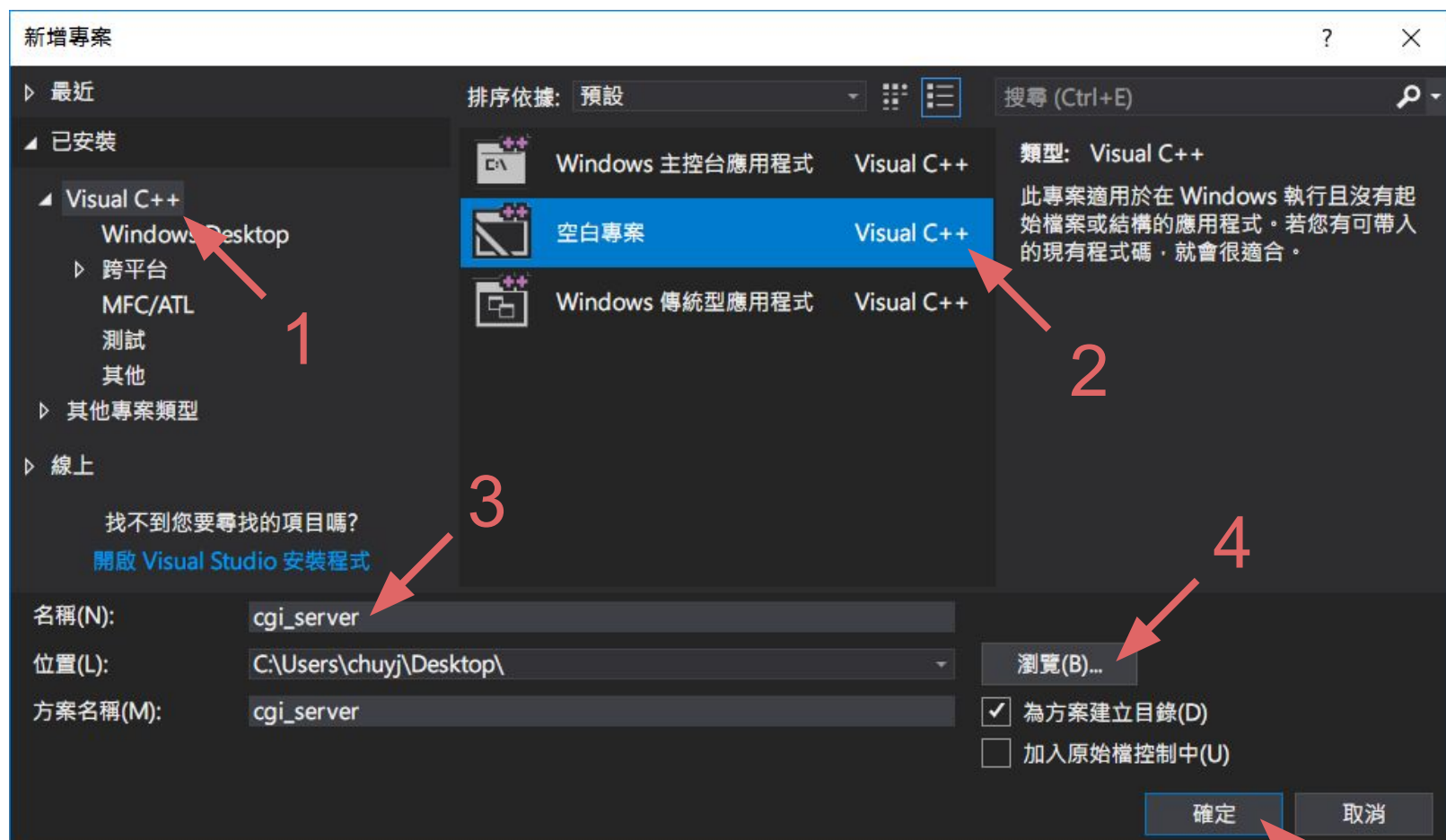
Some custom settings bla bla bla...

# Windows (with Visual Studio)

檔案 > 新增 > 專案

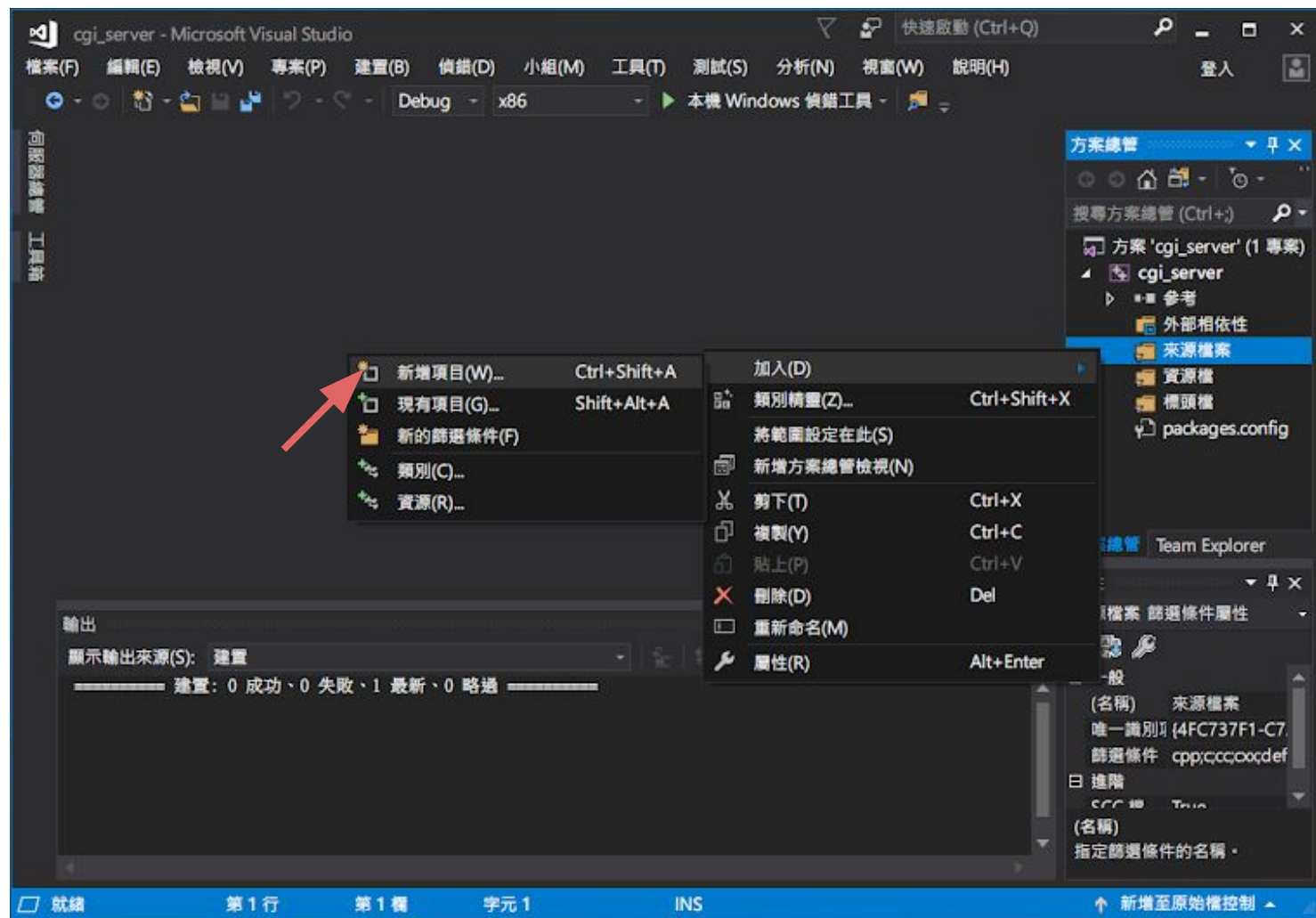


# Windows (with Visual Studio)

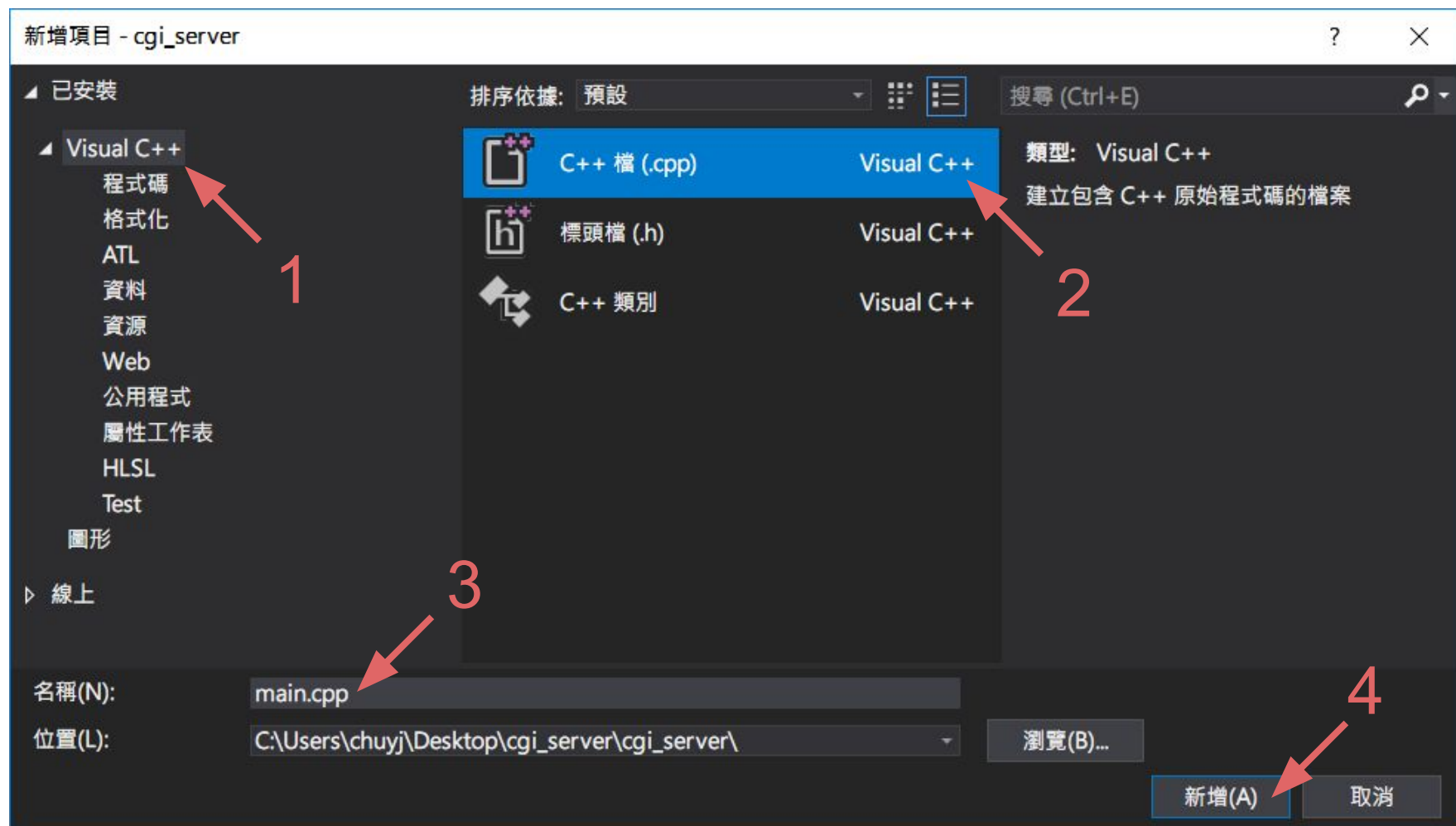


# Windows (with Visual Studio)

Right Click 來源檔案 > 加入 > 新增項目

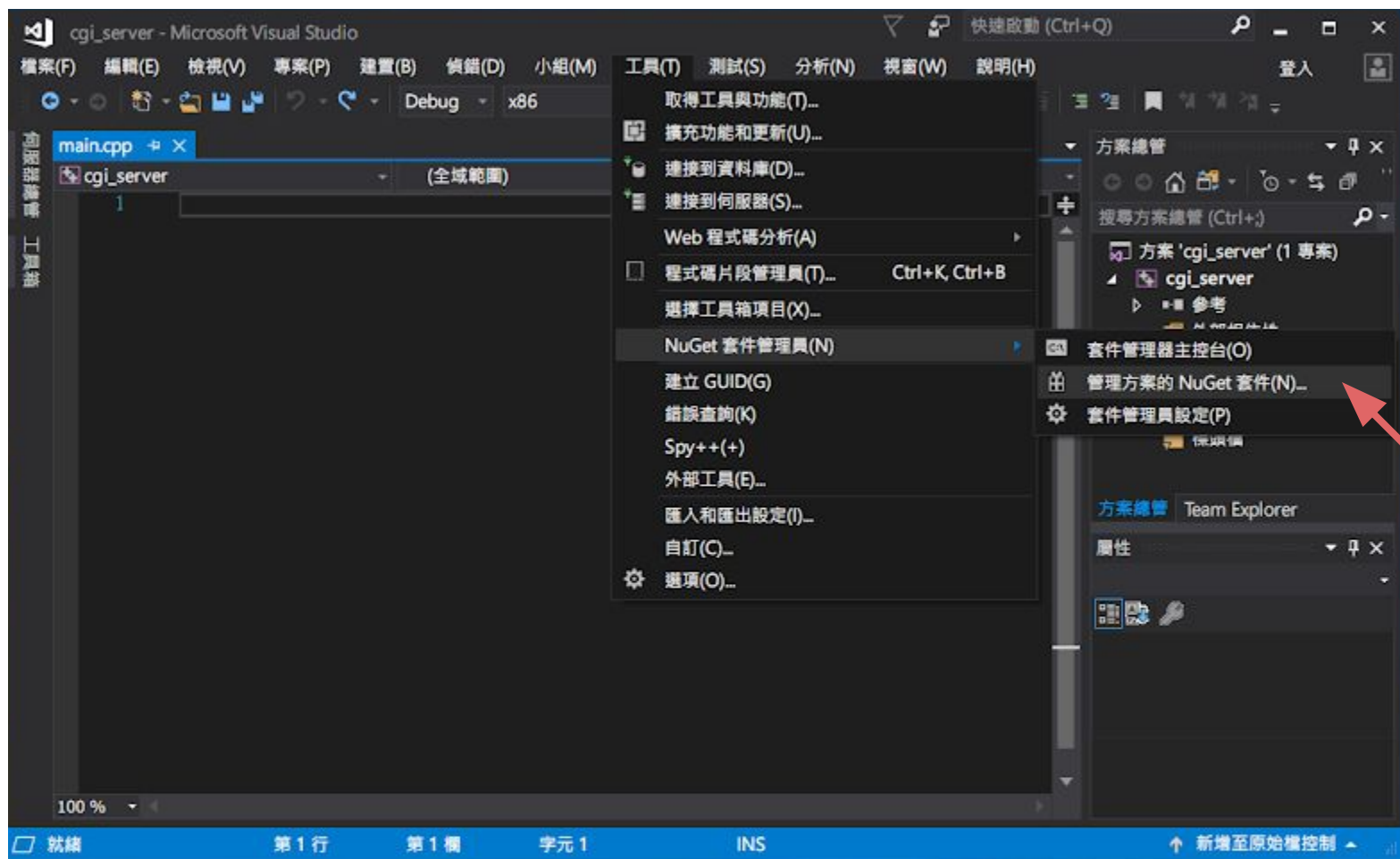


# Windows (with Visual Studio)



# Windows (with Visual Studio)

工具 > NuGet 套件管理員 > 管理方案的 NuGet 套件





# Windows (with Visual Studio)

The screenshot displays the Visual Studio IDE with the NuGet Package Manager window open. The interface is in Chinese. The main window shows a list of packages on the left and details for the selected package, **boost-vc141**, on the right. The right sidebar shows the Solution Explorer with the project **cgi\_server** and file **main.cpp**.

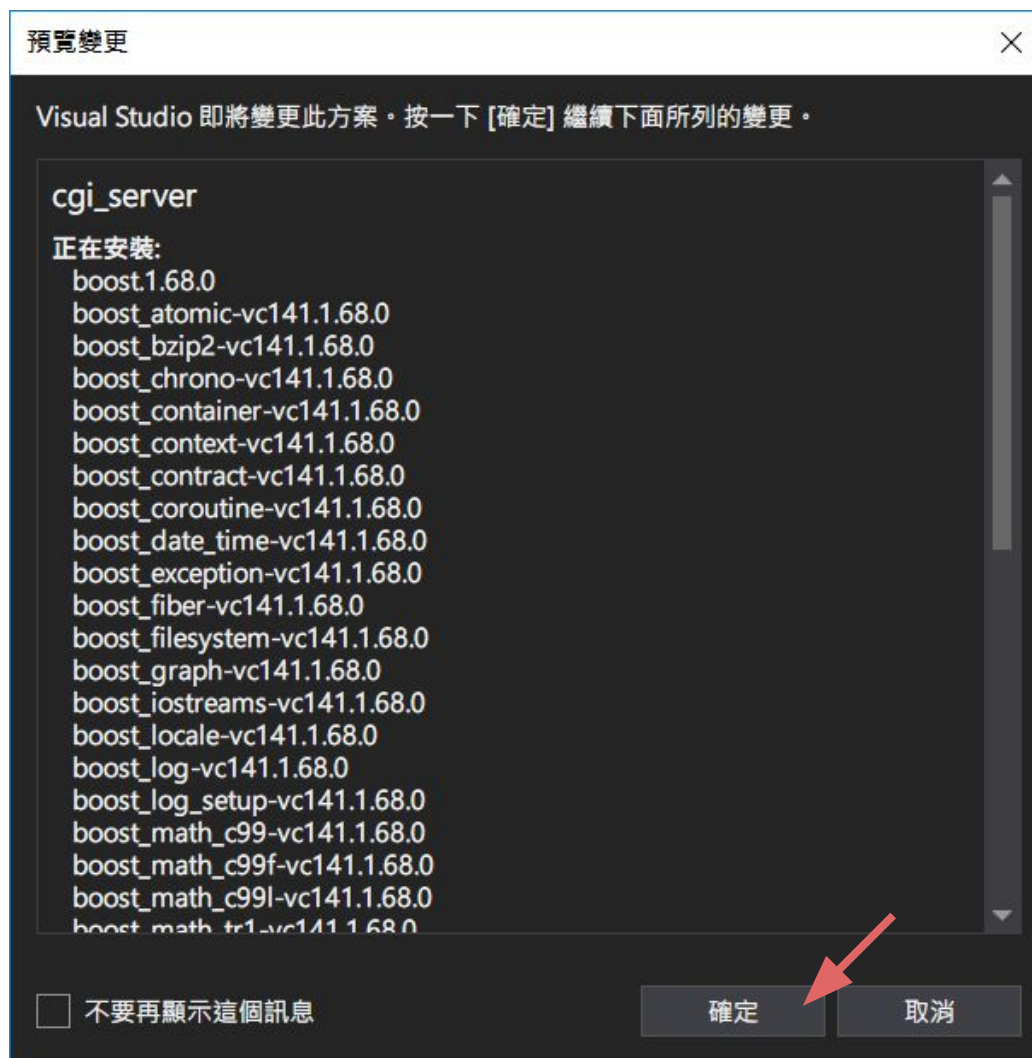
Annotations with red arrows and numbers indicate the following steps:

1. Click the **瀏覽** (Browse) tab in the NuGet Package Manager window.
2. Enter the search term **boost** in the search box.
3. Select the **boost-vc141** package from the search results.
4. Check the **cgi\_server** checkbox under the **專案** (Projects) section to install the package for this project.
5. Click the **安裝** (Install) button to install the package.

The status bar at the bottom shows **就緒** (Ready) and **新增至原始檔控制** (Add to Source Control).

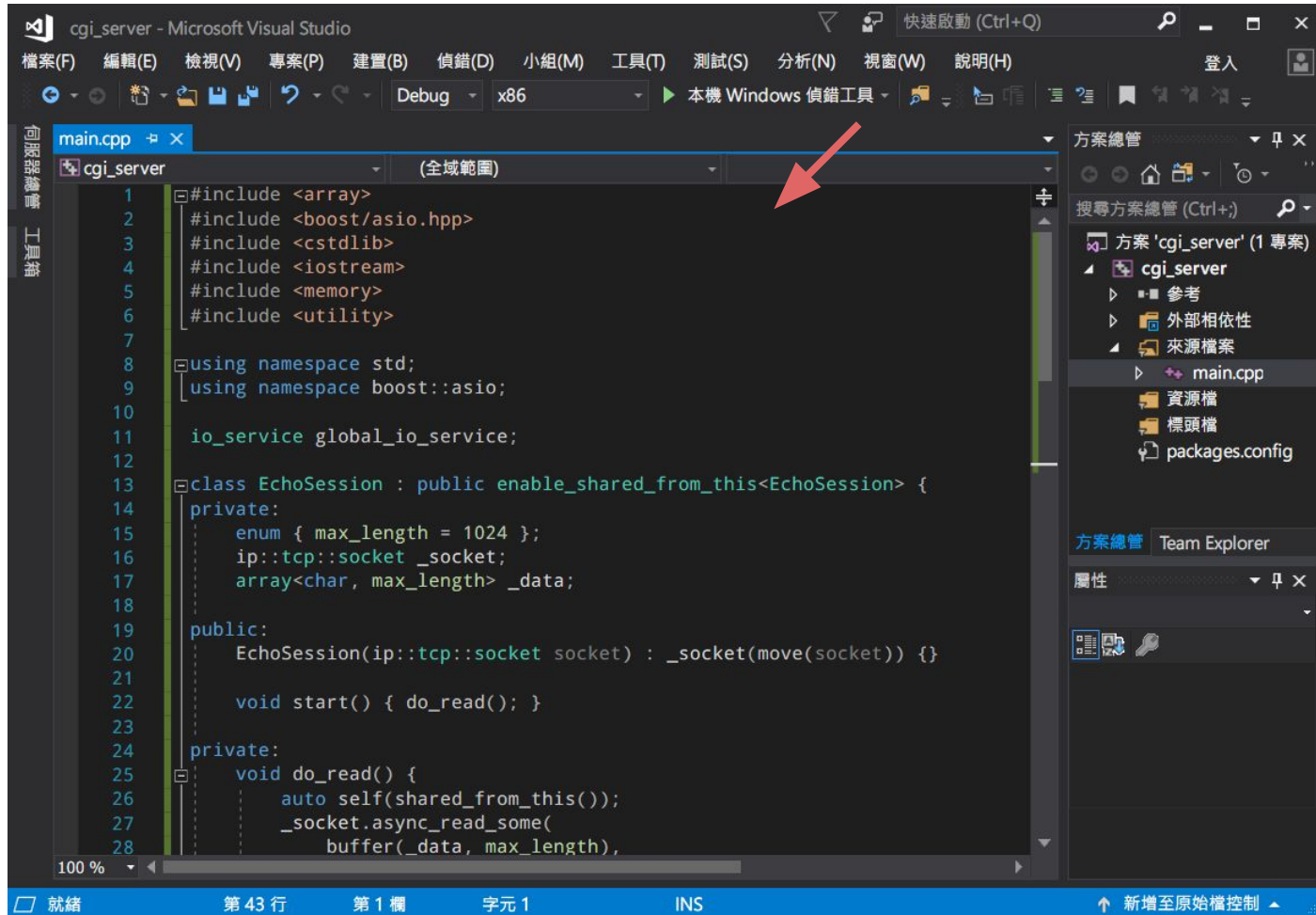


# Windows (with Visual Studio)



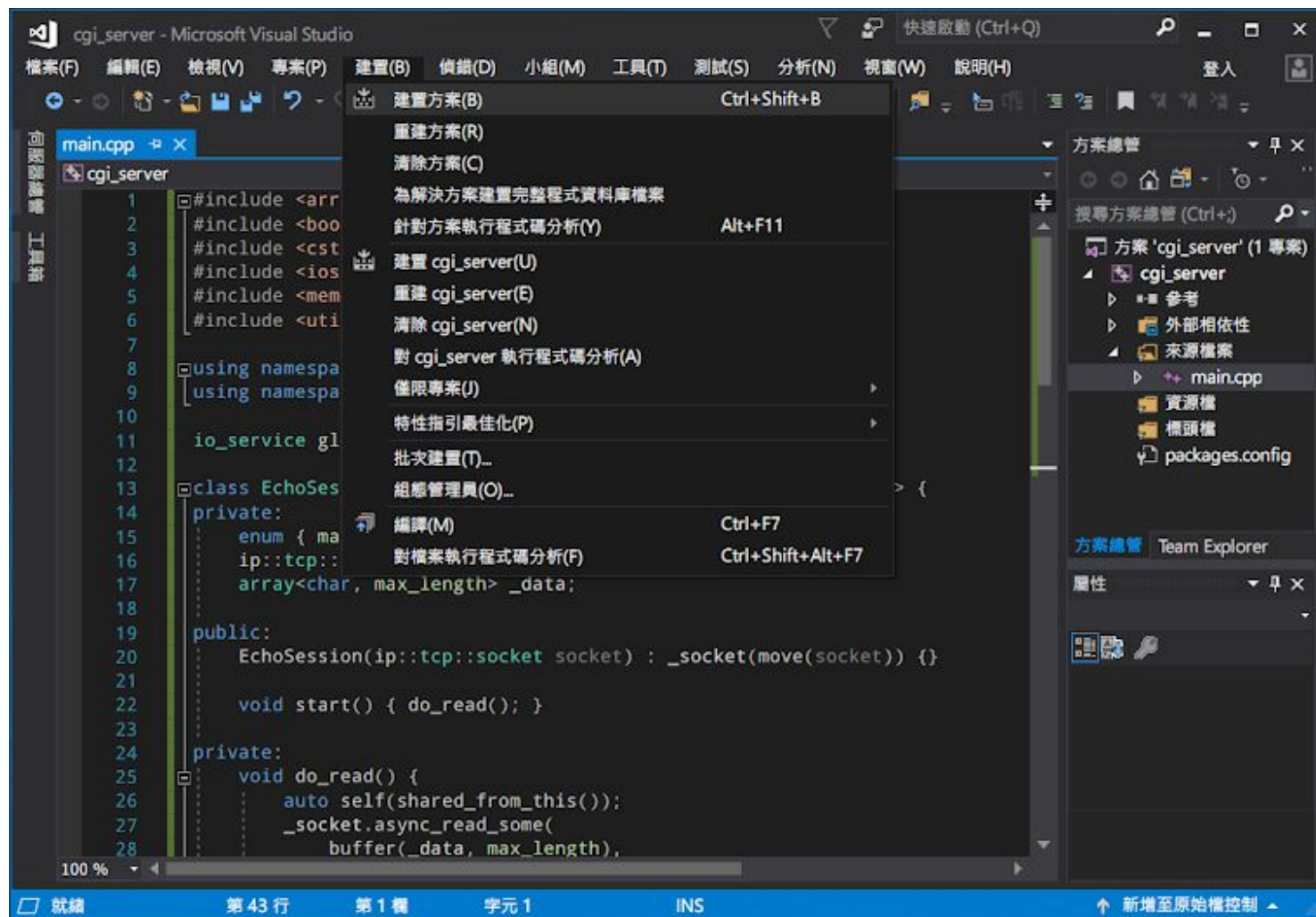
# Windows (with Visual Studio)

Write your code in main.cpp



## Windows (with Visual Studio)

## 建置 > 建置方案



# Windows (with Visual Studio)

You can find the executable in `cgi_server/Debug`

