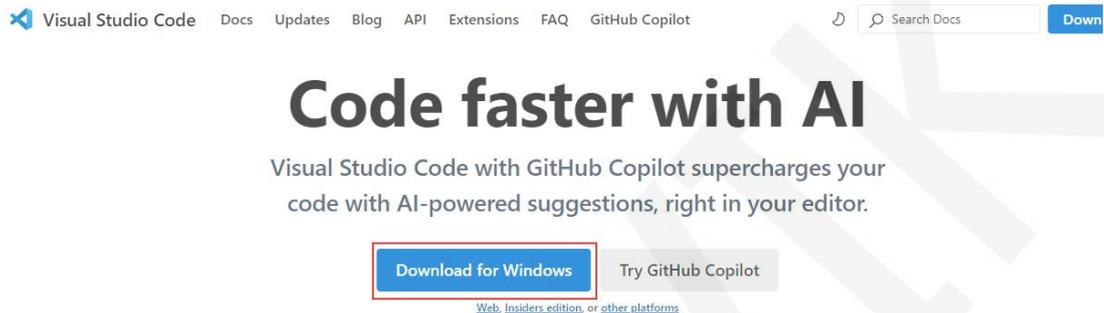


Build "ESP-IDF" environment with "VS Code"

1、 Download and install Visual Studio Code

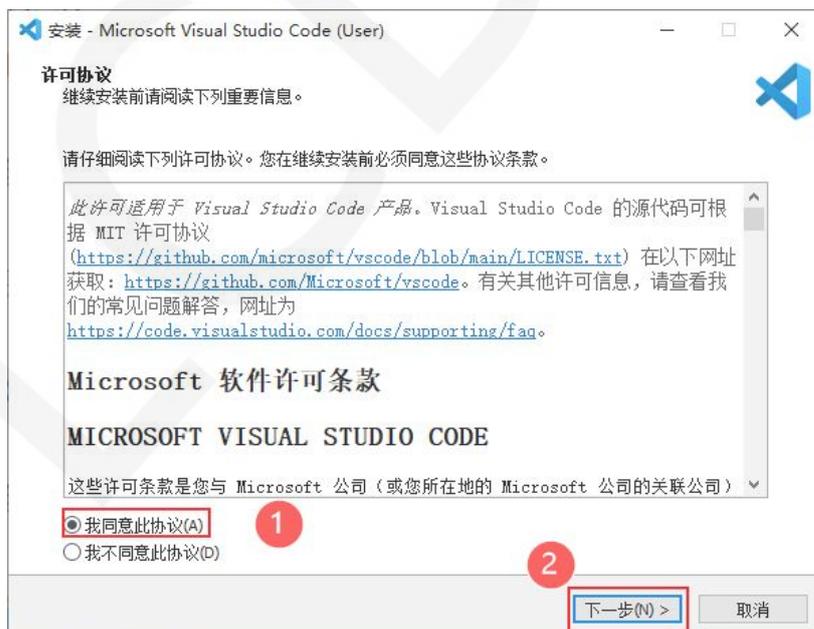
- Go to the VSCode website and select the version of Win that fits your computer
- Website address: <https://code.visualstudio.com/>
- Click 'Download for Windows' to download it



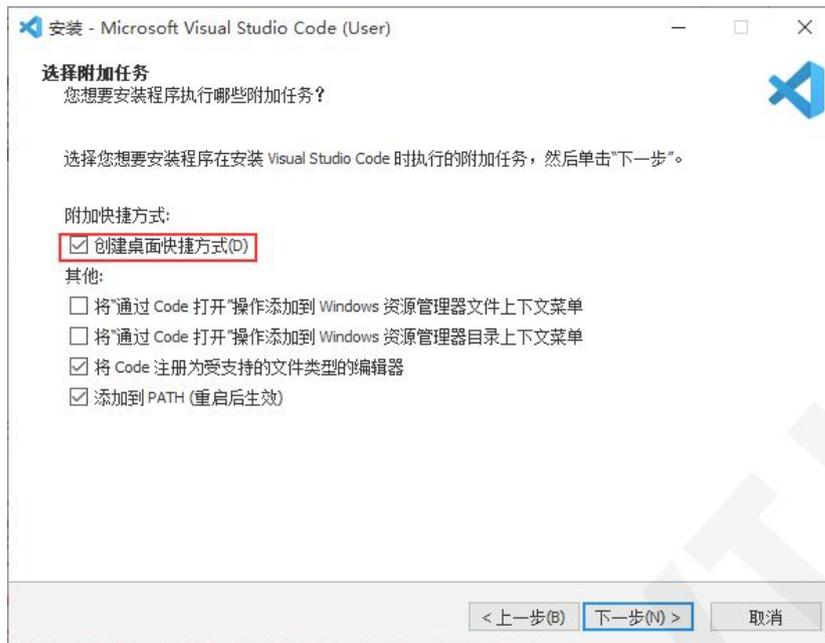
Double-click the exe file to install after downloading



Select Agree to this agreement and click Next



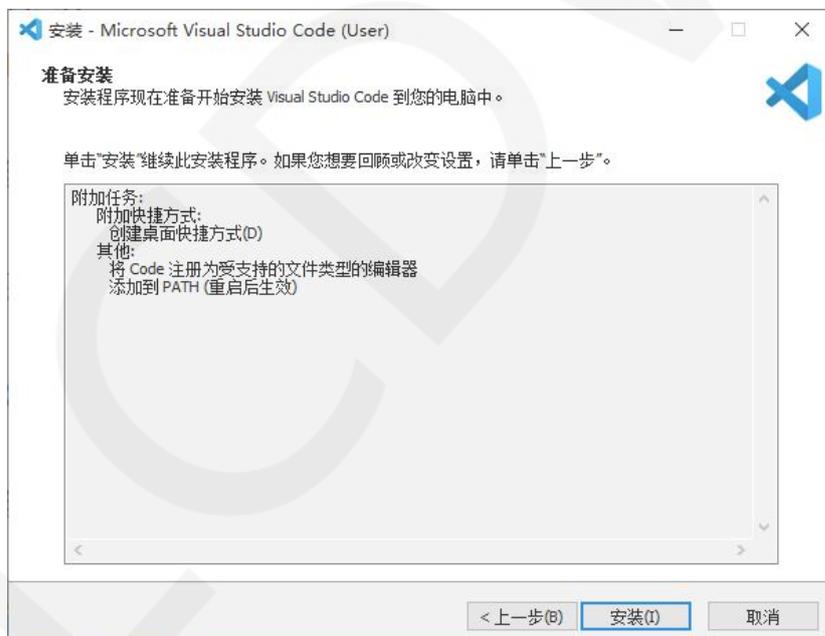
If you don't want to create a shortcut, you can uncheck it here and click Next



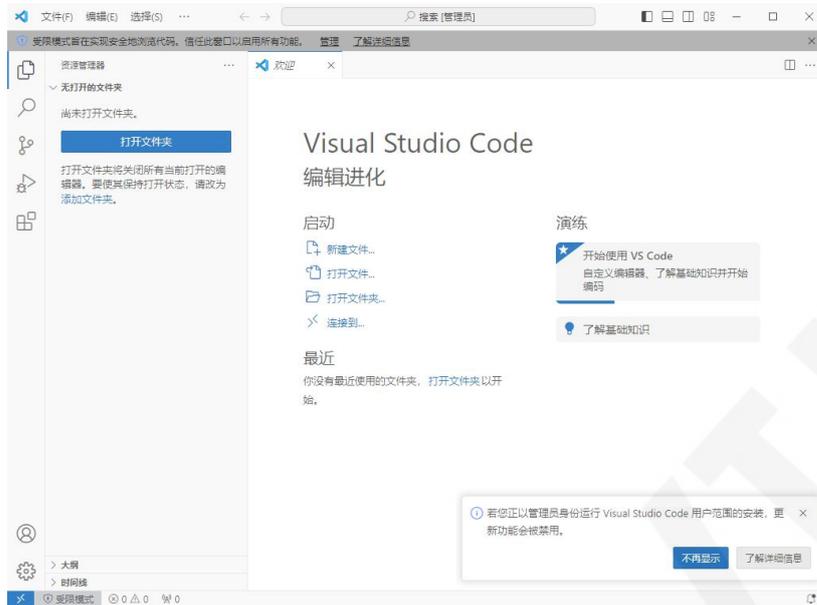
Select the target location to install



Click Install to start the installation



The interface after installation is as follows

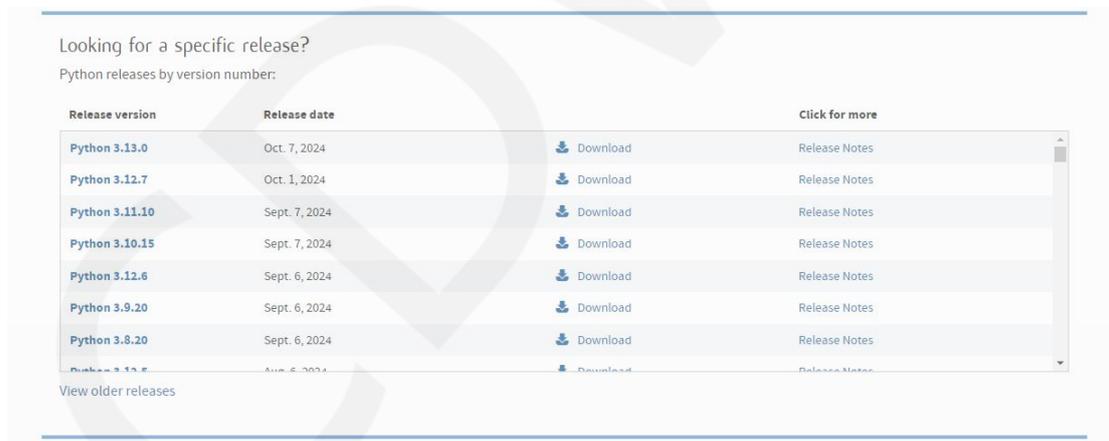


2、Download and install Python configuration environment variables

Go to the Python website:

<https://www.python.org/downloads>

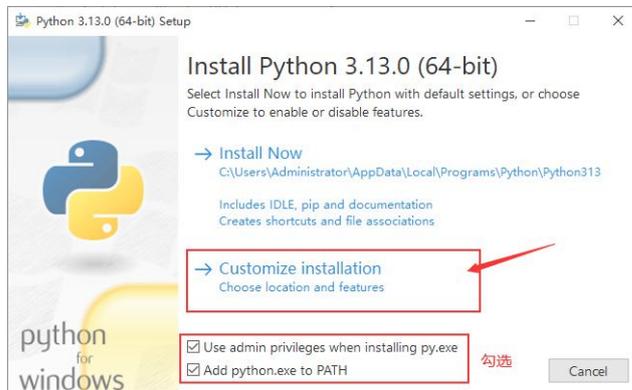
Choose version 3 or above to download, I downloaded version 3.13 here



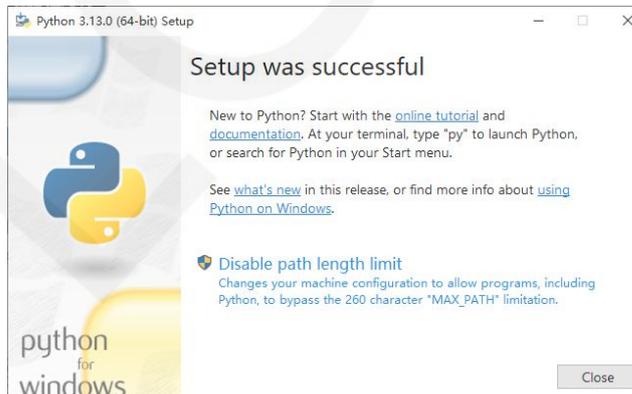
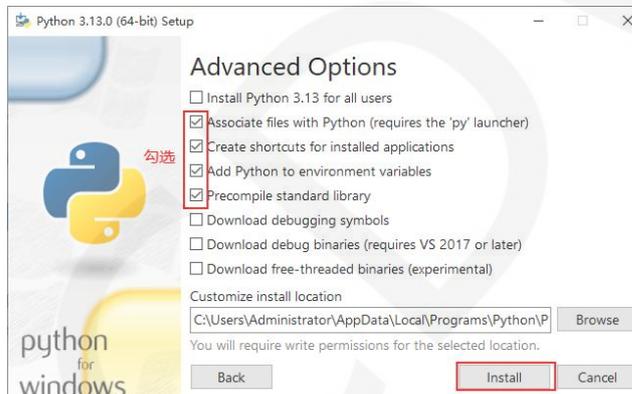
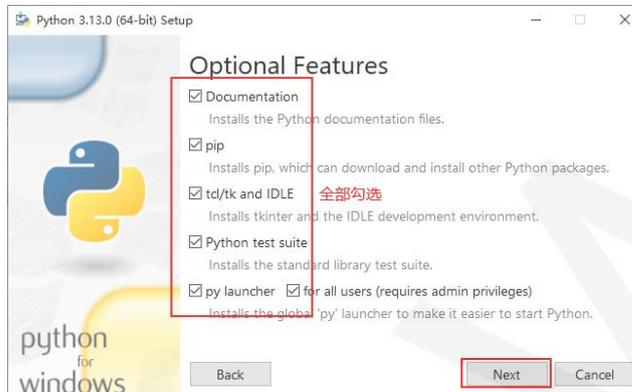
Open the installer



Make sure the following two boxes are checked, or you'll have to configure your own environment variables later

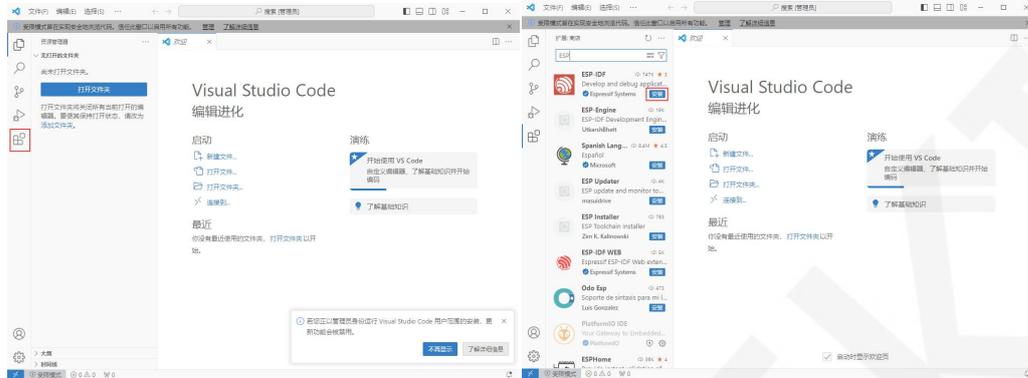


Follow these steps



3、Install the ESP-IDF extension

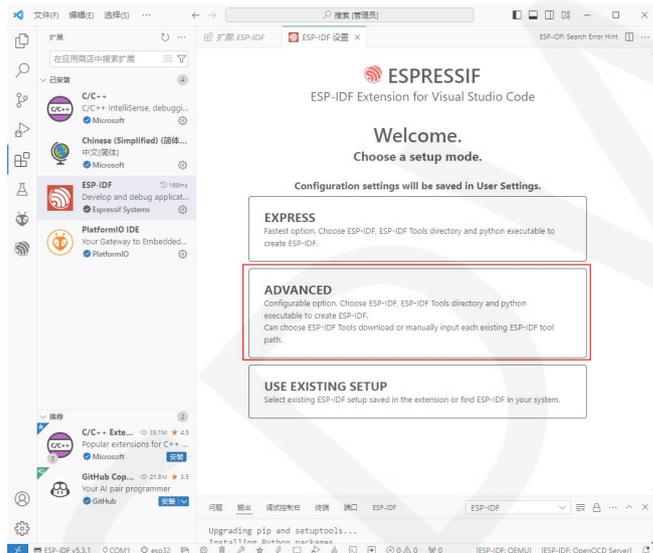
Click the extension icon in the active bar on the side of Visual Studio Code, search for the ESP-IDF extension, and click Install



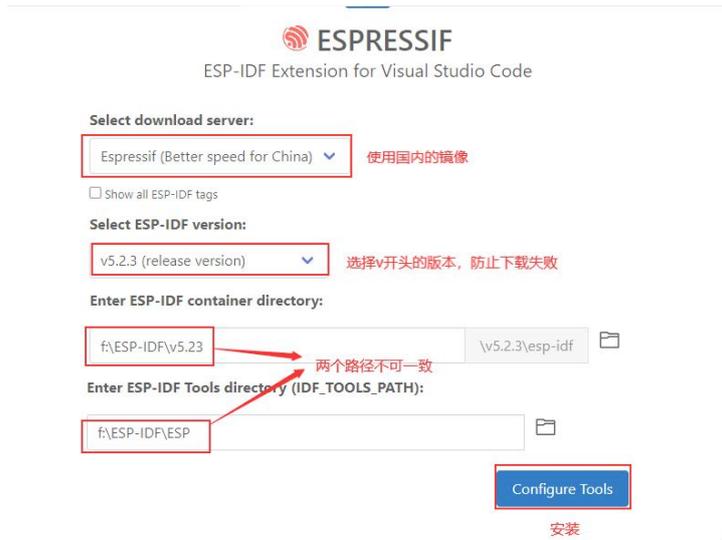
Press F1 or Ctrl+Shift+P to open the command line and type ESP-IDF extension

Click configure esp-idf extension and wait for the configuration to complete in the bottom right corner

Go ahead and install ADVANCED

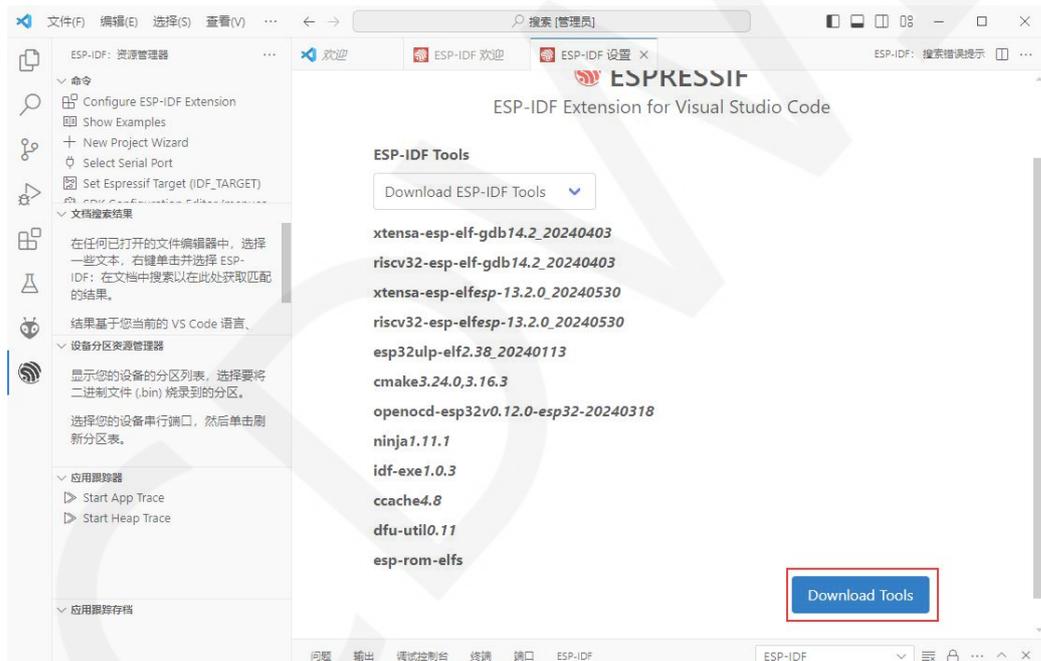


Install according to the following steps (installation time is longer, about 10~20 minutes)



Waiting for the plugin to download

Click Download Tools



After the installation, the screen is as follows:

ESPRESSIF
ESP-IDF Extension for Visual Studio Code
All settings have been configured.

Version: 1.8.1
See what's new

Repository ESP32 Forum ESP-IDF Open a new issue

Quick actions

- New project
- Import project
- Show examples
- Components manager

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Arduino ESP32 ESP-IOT Solution ESP-NOW ESP-...

```
问题 输出 调试控制台 终端 端口 ESP-IDF
ESP-IDF
mklxwmi-1-py-0.0.0 mklxwmi-0.1.2 packaging-24.1 pyclang-0.3.0 pycparser-2.22 pyserial-3.5
pydantic-core-2.23.4 pydantic-settings-2.6.1 pyelftools-0.31 pygdbmi-0.11.0.0 pygments-2.18.0
pyparsing-3.2.0 pyserial-3.5 python-dotenv-1.0.1 pyyaml-6.0.2 reedsolo-1.7.0 requests-2.32.3
requests-file-2.1.0 requests-toolbelt-1.0.0 rich-13.9.4 six-1.16.0 tqdm-4.66.6 typing-extensions-4.
12.2 urllib3-1.26.20 windows-curses-2.4.0

Upgrading pip and setuptools...
Installing Python packages
Constraint file: f:\ESP-IDF\esp-idf\espidf.constraints.v5.3.txt
Requirement files:
- C:\Users\Administrator\esp\v5.3.1\esp-idf\tools\requirements\requirements.core.txt

Python requirements has been installed
```