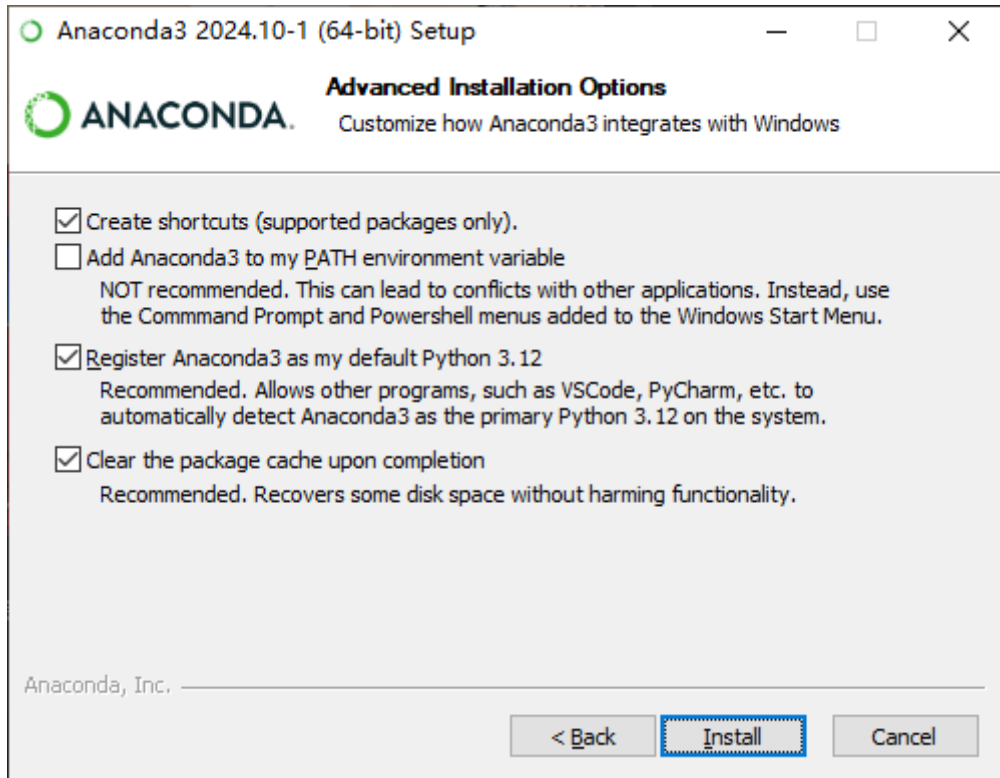
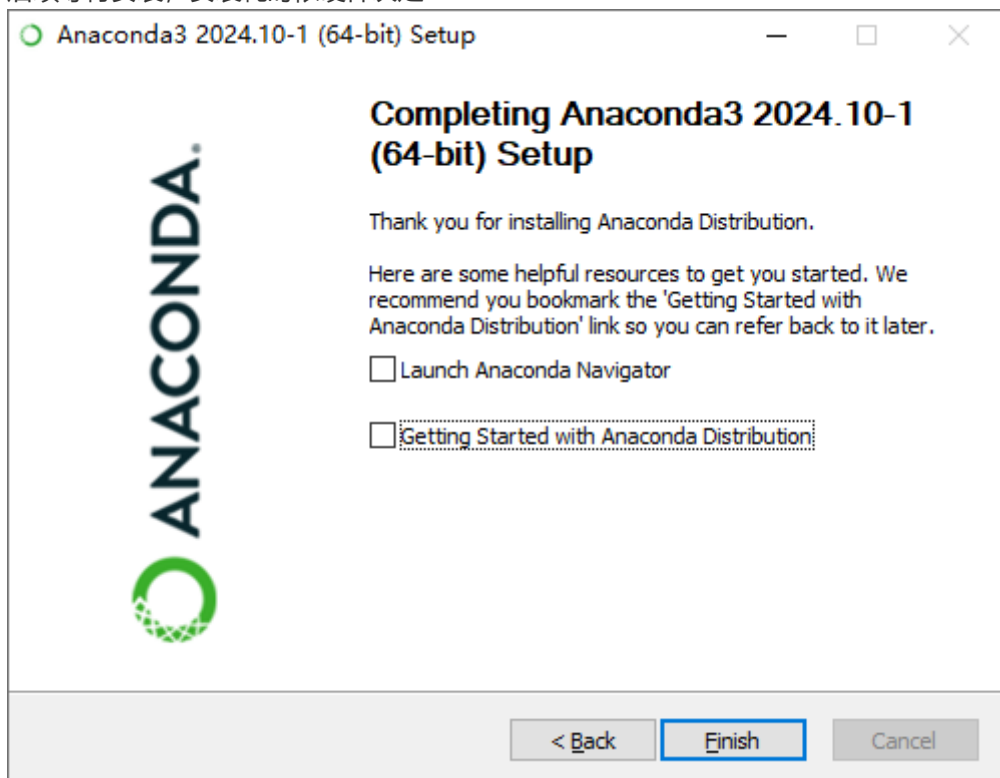


Anaconda

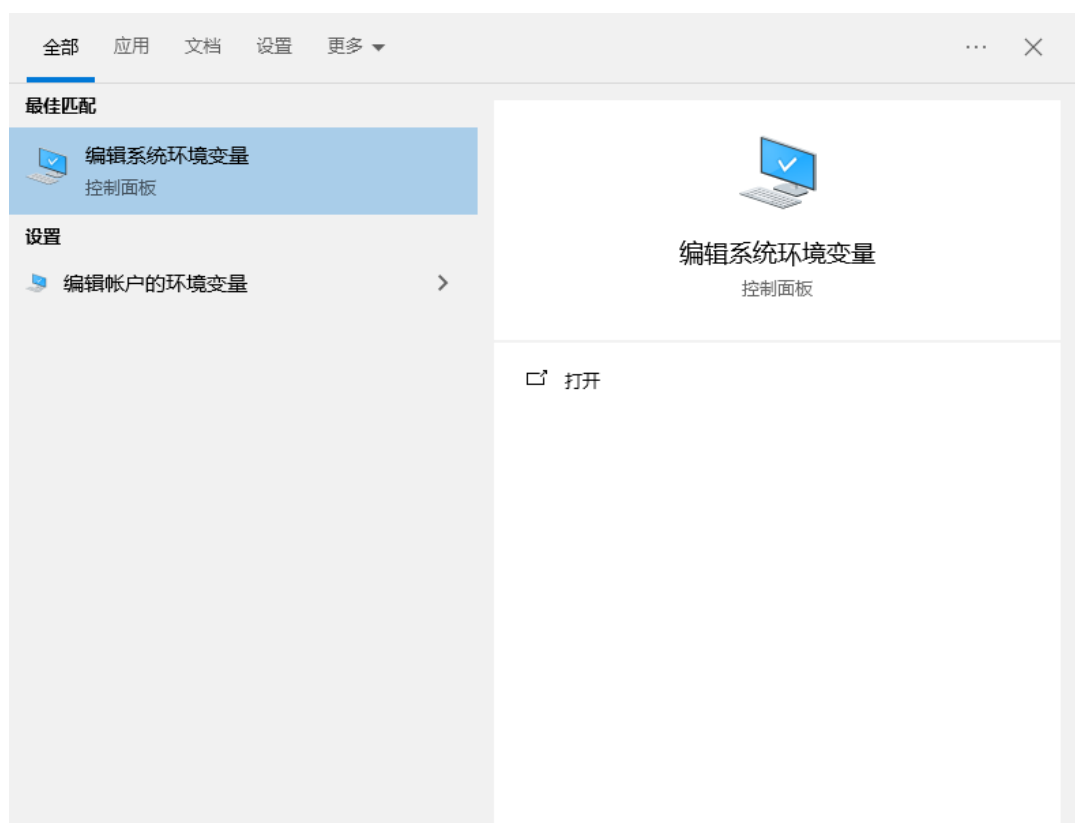
- 下载
 - <https://www.anaconda.com/download/#windows>
- 安装

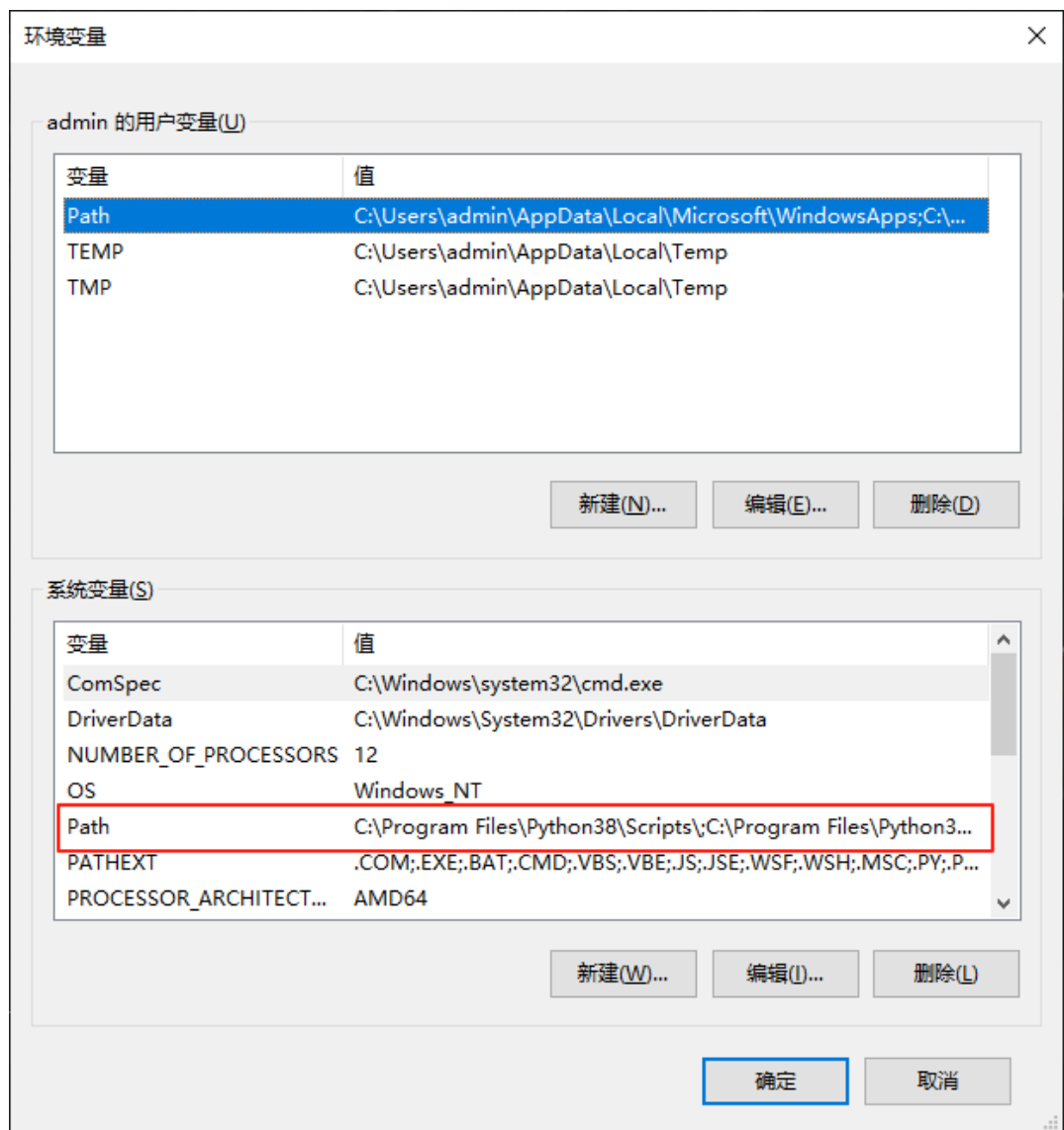


- 后续等待安装，安装耗时依硬件决定

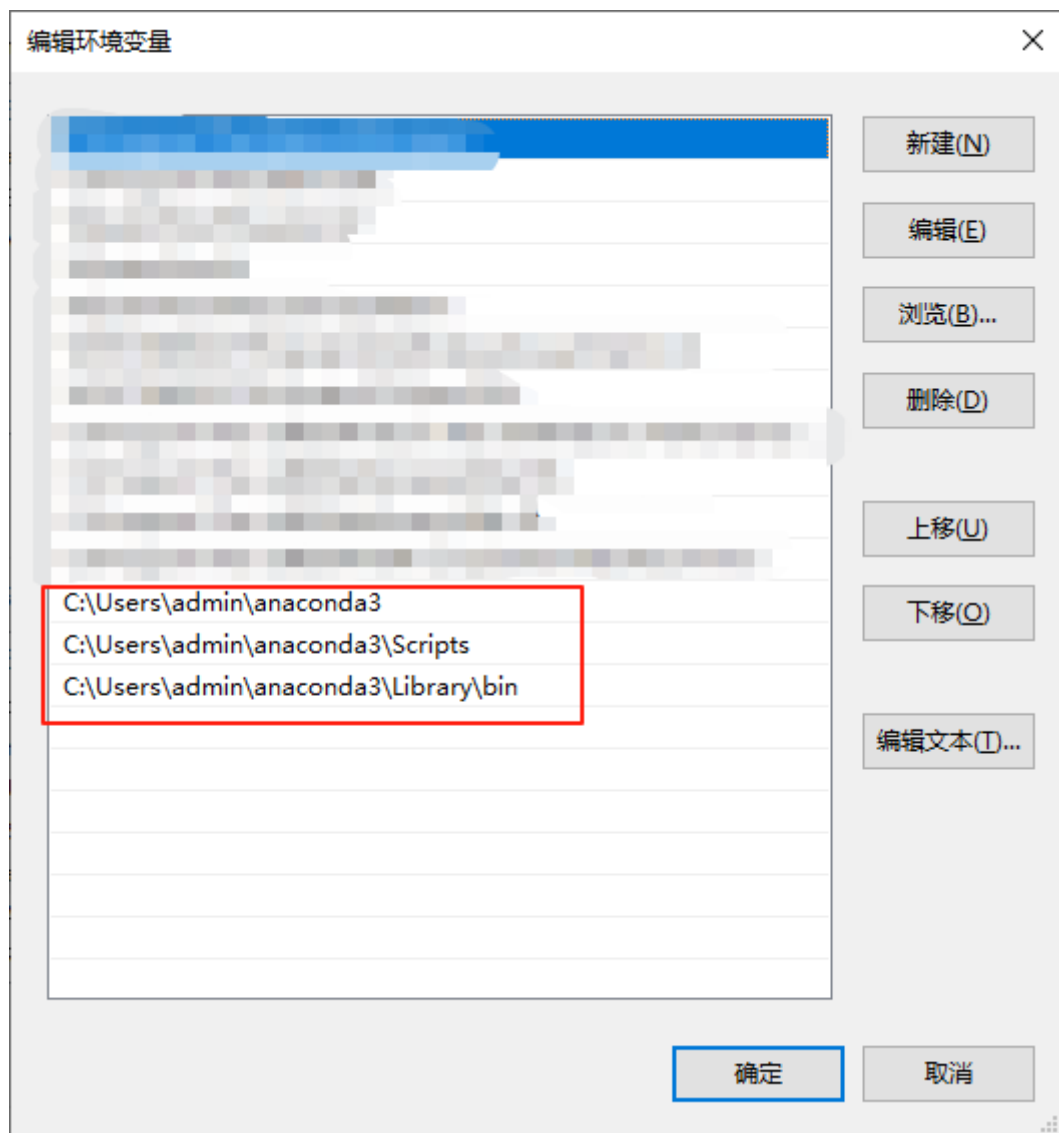


- 到这里安装成功，点击Finish即可
- 配置环境变量
 - Anaconda默认安装目录C:\Users\admin\anaconda3
 - 搜索环境变量





- 添加对应路径即可



- 创建虚拟环境

- `conda create -n <env-name>`

- ```
命令提示符
Microsoft Windows [版本 10.0.19044.5737]
(c) Microsoft Corporation. 保留所有权利。

C:\Users\admin>conda create -n env
Channels:
 - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/main
 - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/free
 - defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

Package Plan

 environment location: C:\Users\admin\anaconda3\envs\env

Proceed ([y]/n)? y
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
To activate this environment, use
#
$ conda activate env
#
To deactivate an active environment, use
#
$ conda deactivate
#
C:\Users\admin>
```

- 初始化虚拟环境

- `conda init`

```
O 命令提示符
C:\Users\admin>conda init
no change C:\Users\admin\anaconda3\Scripts\conda.exe
no change C:\Users\admin\anaconda3\Scripts\conda-env.exe
no change C:\Users\admin\anaconda3\Scripts\conda-script.py
no change C:\Users\admin\anaconda3\Scripts\conda-env-script.py
no change C:\Users\admin\anaconda3\condabin\conda.bat
no change C:\Users\admin\anaconda3\Library\bin\conda.bat
no change C:\Users\admin\anaconda3\condabin_conda_activate.bat
no change C:\Users\admin\anaconda3\condabin\rename_tmp.bat
no change C:\Users\admin\anaconda3\condabin\conda_auto_activate.bat
no change C:\Users\admin\anaconda3\condabin\conda_hook.bat
no change C:\Users\admin\anaconda3\Scripts\activate.bat
no change C:\Users\admin\anaconda3\condabin\activate.bat
no change C:\Users\admin\anaconda3\condabin\deactivate.bat
modified C:\Users\admin\anaconda3\Scripts\activate
modified C:\Users\admin\anaconda3\Scripts\deactivate
modified C:\Users\admin\anaconda3\etc\profile.d\conda.sh
modified C:\Users\admin\anaconda3\etc\fish\conf.d\conda.fish
no change C:\Users\admin\anaconda3\shell\condabin\Conda.ps1
modified C:\Users\admin\anaconda3\shell\condabin\conda-hook.ps1
no change C:\Users\admin\anaconda3\Lib\site-packages\xontrib\conda.xsh
modified C:\Users\admin\anaconda3\etc\profile.d\conda.csh
modified C:\Users\admin\Documents\WindowsPowerShell\profile.ps1
modified HKEY_CURRENT_USER\Software\Microsoft\Command Processor\AutoRun

==> For changes to take effect, close and re-open your current shell. <==

C:\Users\admin>
```

- 重启终端，进入虚拟环境

- `conda activate <env-name>`

- ```
C:\Users\admin>conda activate test
(test) C:\Users\admin>
```

- 退出虚拟终端

- `conda deactivate`

- ```
(test) C:\Users\admin>conda deactivate
C:\Users\admin>
```

- 配置conda全局代理，解决网络异常问题

- ```
conda config --set proxy_servers.http http://127.0.0.1:10808
conda config --set proxy_servers.https http://127.0.0.1:10808
```

- ```
C:\Users\admin>conda config --set proxy_servers.http http://127.0.0.1:10808
C:\Users\admin>conda config --set proxy_servers.https http://127.0.0.1:10808
```

- 验证代理是否生效

- `conda config --show proxy_servers`

- ```
C:\Users\admin>conda config --show proxy_servers
proxy_servers:
  http: http://127.0.0.1:10808
  https: http://127.0.0.1:10808

C:\Users\admin>
```

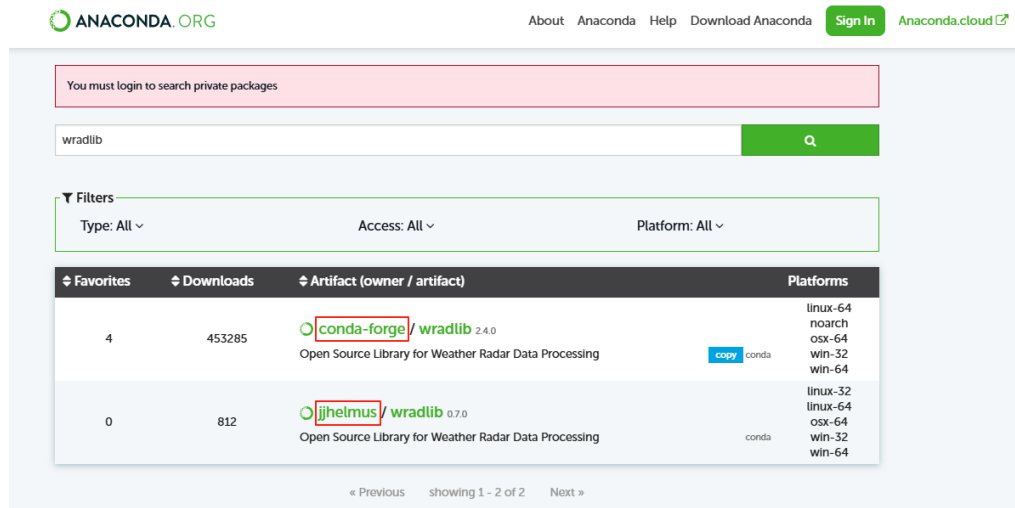
- conda包管理渠道与安装

- Conda-Forge

- 地址: <https://conda-forge.org>
- 特点
 - 社区驱动的渠道, 提供了大量高质量的包。
 - 包更新速度快, 通常比官方渠道更及时。
 - 包数量非常丰富, 支持许多官方渠道没有的包。
 - 支持跨平台 (Windows、Linux、 macOS) 。

○ 搜索寻找

- <https://anaconda.org/>



- 红框标注为包渠道名

○ 安装第三方库

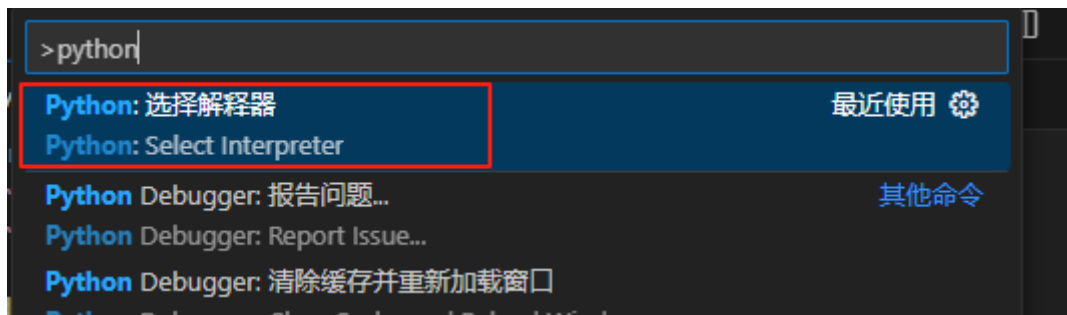
- `conda install -c conda-forge <package_name>`

- 配置第三方库环境变量, 路径中的test为对应的虚拟环境名

- `C:\Users\admin\anaconda3\envs\test\Library\bin`

● 配置vscode的python解释器

○ Ctrl+Shift+P



○ 选择虚拟环境创建的python解释器即可

