

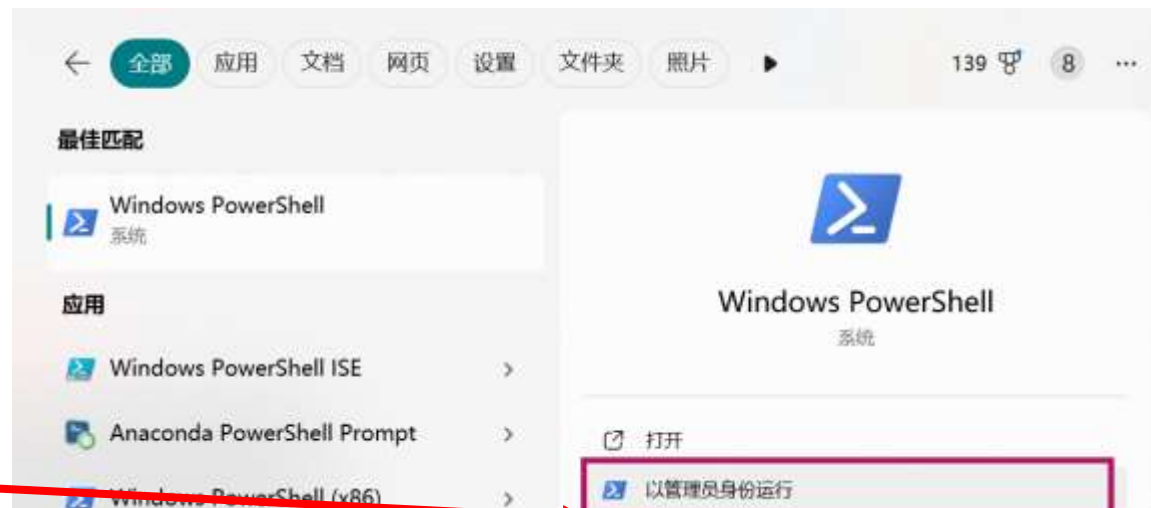
# 代码运行位置一览

**\*\* ⚠️ <代码运行在哪里一览> \*\***

**\*1. 终端 powershell\***

**\*2. 终端 cmd\***

**\*3. x64 Native Tools Command Prompt for VS 2022\***

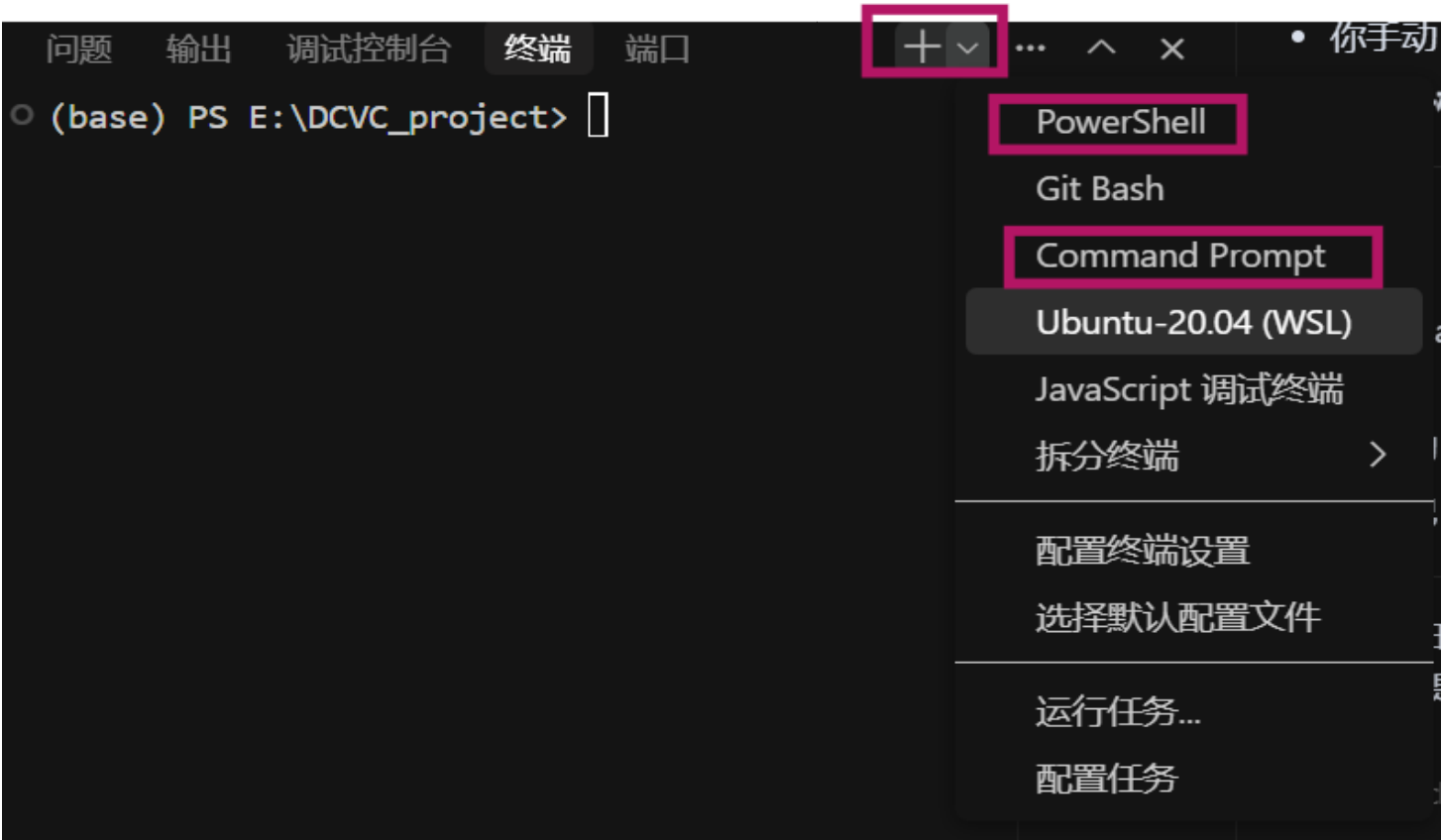


**注：x64 Native Tools Command Prompt for VS 2022 只有在安装了VS2022之后才有**

如果你有Cursor，cmd和powershell可按照如下方式打开：  
方法1：



方法2：



**\*\*详细安装教程，🔊<请严格按照顺序执行>\*\***

🔊 \*0. Visual Studio 2022(community)\*

◆ VS2022社区版本，注意在安装时一定要勾选C++桌面开发，默认配置即可。

🔊 \*1. CUDA Toolkit-12.6安装\*

1. Visual Studio 2022社区版和anconda请自己下载，注意安装路径，两个软件都比较大。：

<https://visualstudio.microsoft.com/zh-hans/vs/community/>

<https://www.anaconda.com/>

🔊 2. CUDA Toolkit-12.6安装

!! 1. 请先检查自己的电脑是否有GPU:

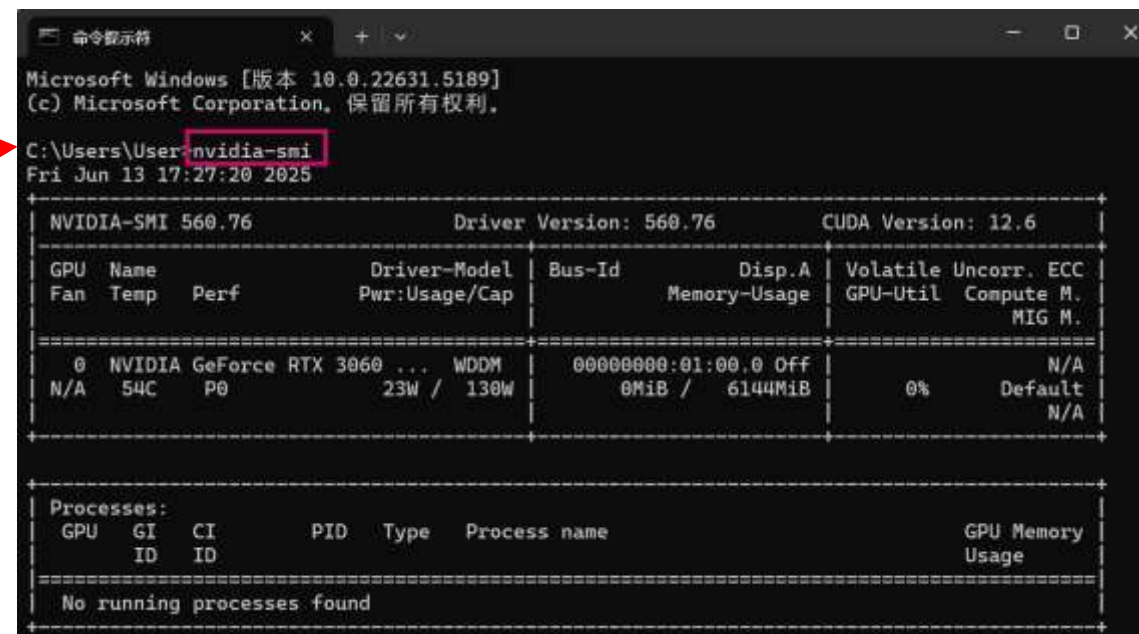
(1) 打开cmd (2) 输入nvidia-smi

有结果的情况下询问AI自己的电脑是否支持CUDA-12.6

**CUDA Toolkit-12.6下载链接：**

<https://developer.nvidia.com/cuda-12-6-0-download-archive>

具体下载内容请看下一页



```
Microsoft Windows [版本 10.0.22631.5189]
(c) Microsoft Corporation. 保留所有权利。

C:\Users\User>nvidia-smi
Fri Jun 13 17:27:20 2025

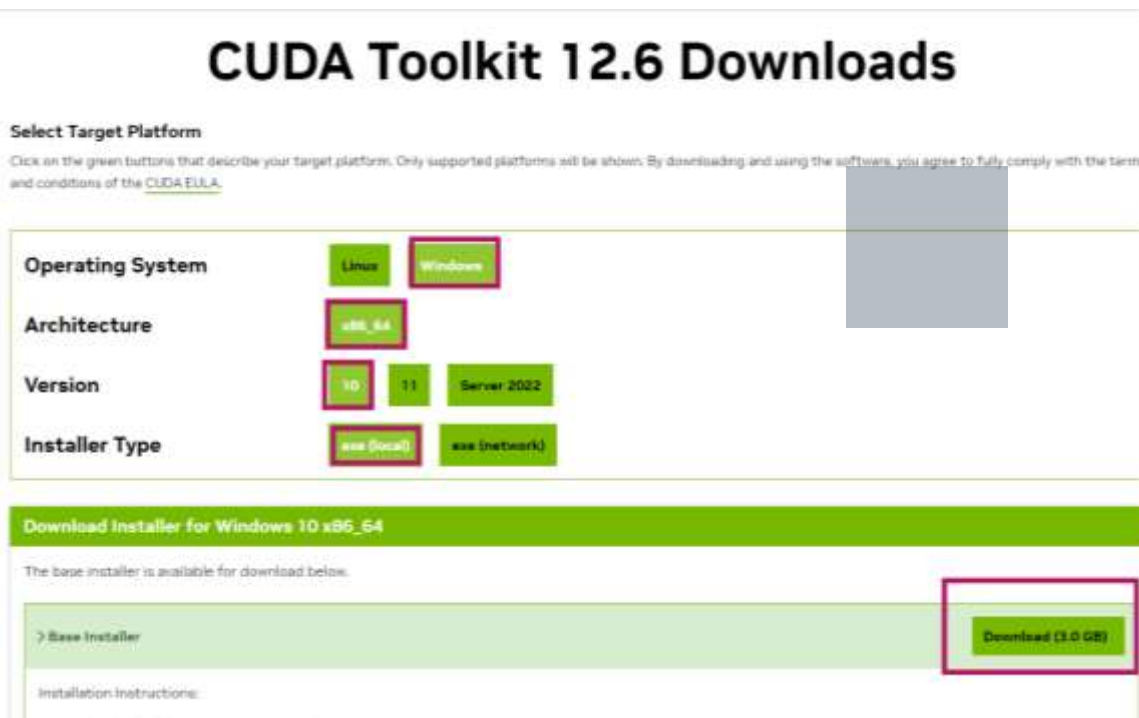
+-----+
| NVIDIA-SMI 560.76                  Driver Version: 560.76          CUDA Version: 12.6     |
+-----+-----+
| GPU   Name                               Driver-Model  Bus-Id          Disp.A   Volatile Uncorr. ECC |
| Fan  Temp  Perf              Pwr:Usage/Cap     Memory-Usage  GPU-Util  Compute M. |
|=====+=====+
| 0     NVIDIA GeForce RTX 3060 ... WDDM          00000000:01:00:0 Off          0%          N/A |
| N/A   54C    P0               23W / 130W        0MiB / 6144MiB             Default  N/A |
+-----+-----+

Processes:
GPU   GI   CI          PID   Type   Process name                      GPU Memory
  ID   ID   ID                                     Usage
+-----+
No running processes found
```

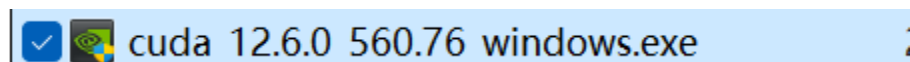
🔊 注：这是dvcv官方推荐配置，如果电脑配置允许请尽量遵循本教程。否则会有不知名报错，难以解决。

# CUDA Toolkit-12.6下载

## 1.请按照如下配置下载



## 2.下完后，找到下载路径，双击运行此exe文件



## 3.这里直接点OK,这个是缓存，会自动删除



## 4.无脑下一步就好。

✱ 这一步选择自定义可以查看安装位置！  
可以查看安装位置后返回安装精简版本！！！！



# CUDA Toolkit-12.6下载-配置环境变量

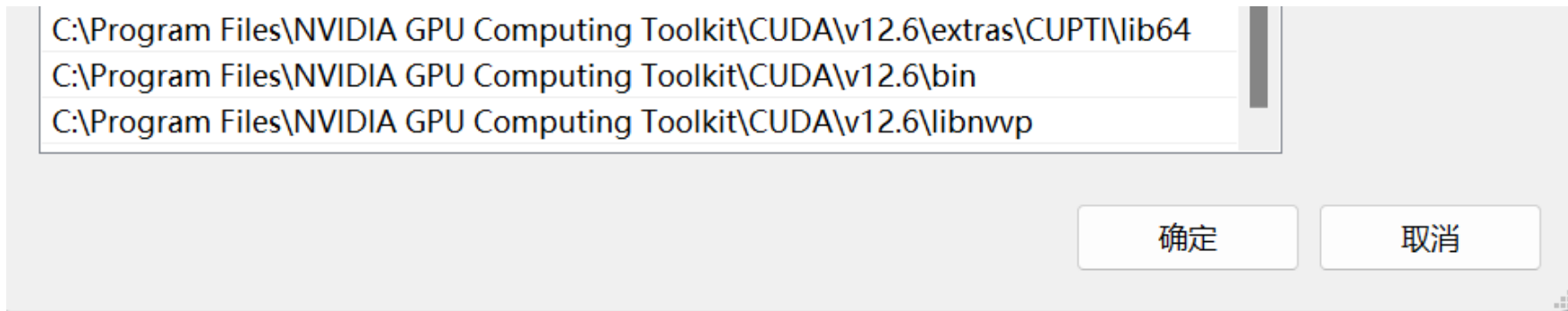
## 配置系统环境变量：

1.首先请找到自己的安装路径，在上一页第4步骤有写如何查看

2.确保有如下三个系统变量



3.在Path中添加这三个路径：





## 🌲 基于Anconda的dcvc环境配置 (基础)

请确保下载好anconda，<并配置清华大学镜像>，可以去b站找视频教程或问AI。

注：

1. 以下内容我会用powershell终端演示，若有cursor或者VS2022/vscode都是一样的

2. 环境名字统一为dcvc\_0，你可以自定义别的名字

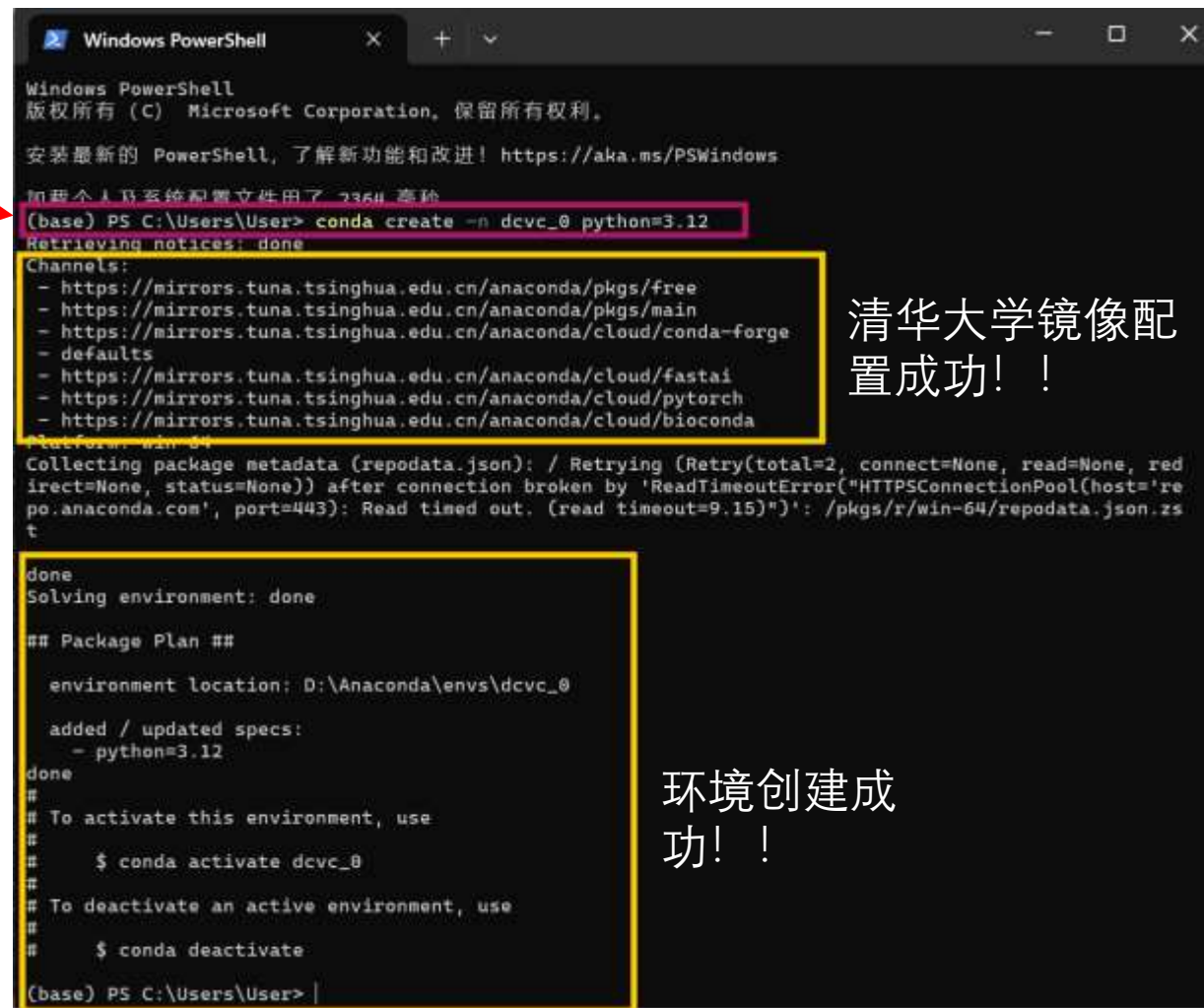
1. 创建环境dcvc\_0, python解释器版本为3.12

◆ **conda create -n dcvc\_0 python=3.12**

◆ **conda activate dcvc\_0**

```
(base) PS C:\Users\User> conda activate dcvc_0  
(dcvc_0) PS C:\Users\User> |
```

注：命令行前面显示(dcvc\_0)就表示环境激活成功了，后面的每次代码几乎都要在这个环境下运行!!! 每次打开新项目新终端都要activate环境!!!



```
Windows PowerShell  
版权所有 (C) Microsoft Corporation. 保留所有权利。  
安装最新的 PowerShell, 了解新功能和改进! https://aka.ms/PSWindows  
我和个人及系统配置文件用了 2364 毫秒  
(base) PS C:\Users\User> conda create -n dcvc_0 python=3.12  
Retrieving notices: done  
Channels:  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/free  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/main  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/conda-forge  
- defaults  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/fastai  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/pytorch  
- https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud/bioconda  
Platform: win-64  
Collecting package metadata (repodata.json): / Retrying (Retry(total=2, connect=None, read=None, redirect=None, status=None)) after connection broken by 'ReadTimeoutError("HTTPSConnectionPool(host='repo.anaconda.com', port=443): Read timed out. (read timeout=9.15)")': /pkgs/r/win-64/repodata.json.zst  
done  
Solving environment: done  
## Package Plan ##  
  
environment location: D:\Anaconda\envs\dcvc_0  
  
added / updated specs:  
- python=3.12  
done  
#  
# To activate this environment, use  
#  
#   $ conda activate dcvc_0  
#  
# To deactivate an active environment, use  
#  
#   $ conda deactivate  
#  
(base) PS C:\Users\User> |
```

清华大学镜像配置成功!!

环境创建成功!!

# 🐱 基于Anconda的dcvc环境配置 (基础)-pytorch安装

## 1.运行如下命令:

◆ `pip install torch==2.6.0+cu126 torchvision==0.21.0+cu126 torchaudio==2.6.0+cu126 --index-url https://download.pytorch.org/whl/cu126`

注: 应该有一个2-3G的下载, 因为本人有下载缓存, 所以没有显示

## <检测Cuda12.6+pytorch2.6.0是否安装成功>

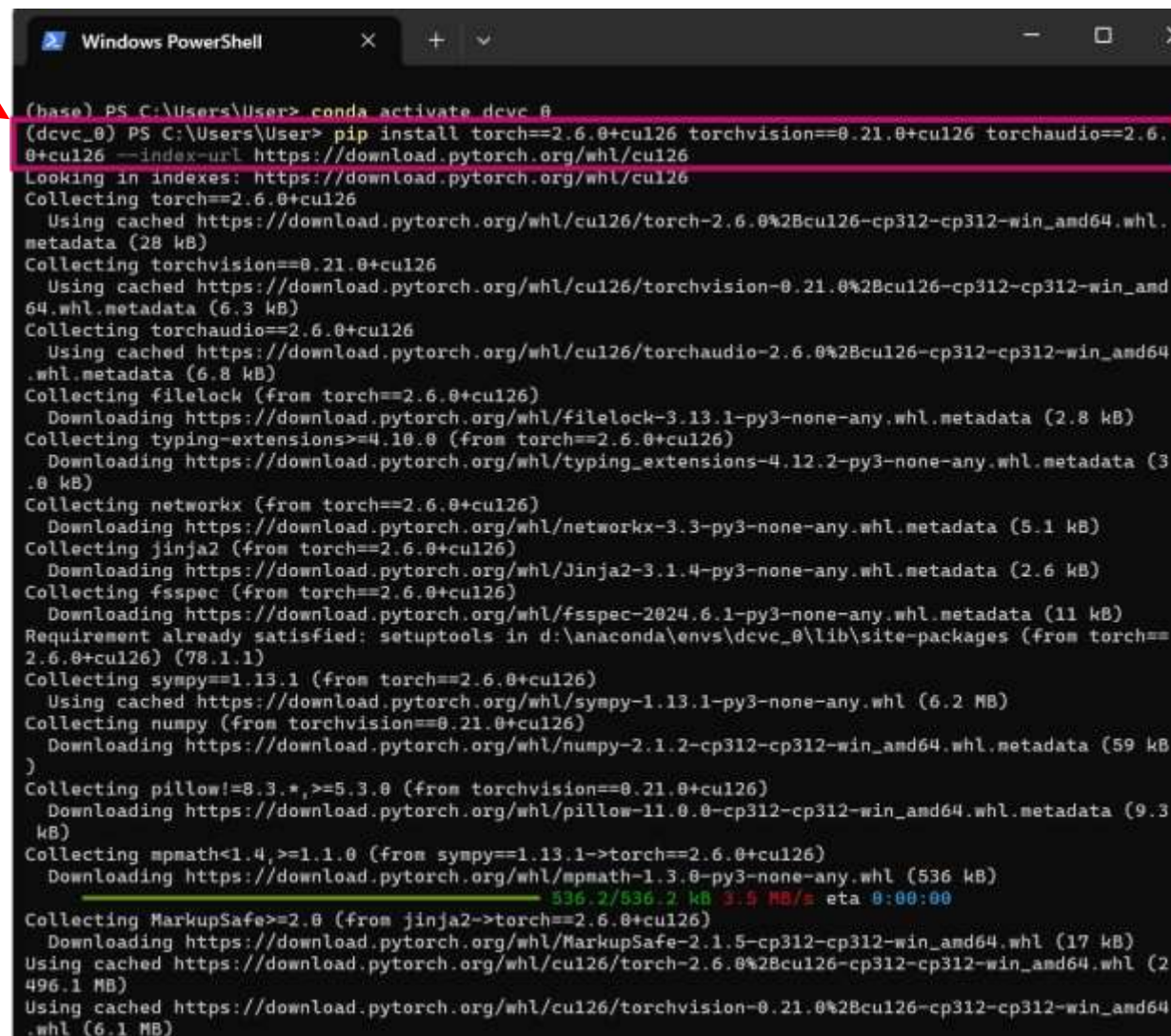
(1) 创建一个py文件, 在dcvc\_0下运行如下内容。

```
import torch
import torchvision
import torchaudio
print(torch.__version__)
print(torchvision.__version__)
print(torchaudio.__version__)
print(torch.version.cuda)
```

注: 随机打开一个项目创建一个py文件即可! 注意要激活环境

◆ `conda activate dcvc_0`

(2) 创建py文件后, 假设为1.py, cd到py文件所在的路径, 然后使用< ◆ `python 1.py` >运行。详情参考下一页!



```
(base) PS C:\Users\User> conda activate dcvc_0
(dcvc_0) PS C:\Users\User> pip install torch==2.6.0+cu126 torchvision==0.21.0+cu126 torchaudio==2.6.0+cu126 --index-url https://download.pytorch.org/whl/cu126
Looking in indexes: https://download.pytorch.org/whl/cu126
Collecting torch==2.6.0+cu126
  Using cached https://download.pytorch.org/whl/cu126/torch-2.6.0%2Bcu126-cp312-cp312-win_amd64.whl.metadata (28 kB)
Collecting torchvision==0.21.0+cu126
  Using cached https://download.pytorch.org/whl/cu126/torchvision-0.21.0%2Bcu126-cp312-cp312-win_amd64.whl.metadata (6.3 kB)
Collecting torchaudio==2.6.0+cu126
  Using cached https://download.pytorch.org/whl/cu126/torchaudio-2.6.0%2Bcu126-cp312-cp312-win_amd64.whl.metadata (6.8 kB)
Collecting filelock (from torch==2.6.0+cu126)
  Downloading https://download.pytorch.org/whl/filelock-3.13.1-py3-none-any.whl.metadata (2.8 kB)
Collecting typing-extensions>=4.10.0 (from torch==2.6.0+cu126)
  Downloading https://download.pytorch.org/whl/typing_extensions-4.12.2-py3-none-any.whl.metadata (3.8 kB)
Collecting networkx (from torch==2.6.0+cu126)
  Downloading https://download.pytorch.org/whl/networkx-3.3-py3-none-any.whl.metadata (5.1 kB)
Collecting jinja2 (from torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/Jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting fsspec (from torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/fsspec-2024.6.1-py3-none-any.whl.metadata (11 kB)
Requirement already satisfied: setuptools in d:\anaconda\envs\dcvc_0\lib\site-packages (from torch==2.6.0+cu126) (78.1.1)
Collecting sympy==1.13.1 (from torchvision==0.21.0+cu126)
  Using cached https://download.pytorch.org/whl/sympy-1.13.1-py3-none-any.whl (6.2 MB)
Collecting numpy (from torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/numpy-2.1.2-cp312-cp312-win_amd64.whl.metadata (59 kB)
Collecting pillow!=8.3.*,>=5.3.0 (from torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/pillow-11.0.0-cp312-cp312-win_amd64.whl.metadata (9.3 kB)
Collecting mpmath<1.4,>=1.1.0 (from sympy==1.13.1->torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/mpmath-1.3.0-py3-none-any.whl (536 kB)
Collecting MarkupSafe>=2.0 (from jinja2->torchvision==0.21.0+cu126)
  Downloading https://download.pytorch.org/whl/MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl (17 kB)
Using cached https://download.pytorch.org/whl/cu126/torch-2.6.0%2Bcu126-cp312-cp312-win_amd64.whl (2496.1 MB)
Using cached https://download.pytorch.org/whl/cu126/torchvision-0.21.0%2Bcu126-cp312-cp312-win_amd64.whl (6.1 MB)
```

## 🐱 基于Anconda的dcvc环境配置 (基础)-检测CUDA 12.6+pytorch2.6是否安装成功

假设在E:\DCVC\_project\farm\_monitoring创建1.py

所以1.py真实路径为: E:\DCVC\_project\farm\_monitoring\1.py, 复制如下内容

```
import torch
import torchvision
import torchaudio
print(torch.__version__)
print(torchvision.__version__)
print(torchaudio.__version__)
print(torch.version.cuda)
```

1.导航到E:\DCVC\_project\farm\_monitoring  
powershell下是:

◆ cd E:\DCVC\_project\farm\_monitoring  
cmd下是:

◆ cd /d E:\DCVC\_project\farm\_monitoring

2.激活环境 (如果激活了请忽略)

◆ conda activate dcvc\_0

3.运行1.py

◆ python 1.py

管理员: Windows PowerShell

(base) PS C:\WINDOWS\system32> cd E:\DCVC project\farm monitoring

(base) PS E:\DCVC\_project\farm\_monitoring> conda activate dcvc\_0

(dcvc\_0) PS E:\DCVC\_project\farm\_monitoring> python .\1.py

2.6.0+cu126

0.21.0+cu126

2.6.0+cu126

12.6

(dcvc\_0) PS E:\DCVC\_project\farm\_monitoring>

🎉 出现这个就表示成功了



# 1.Cmake

<https://cmake.org/download/>

Binary distributions:

Platform	Files
Windows x64 Installer:	<a href="#">cmake-4.0.2-windows-x86_64.msi</a>
Windows x64 ZIP	<a href="#">cmake-4.0.2-windows-x86_64.zip</a>
Windows i386 Installer:	<a href="#">cmake-4.0.2-windows-i386.msi</a>
Windows i386 ZIP	<a href="#">cmake-4.0.2-windows-i386.zip</a>
Windows ARM64 Installer:	<a href="#">cmake-4.0.2-windows-arm64.msi</a>
Windows ARM64 ZIP	<a href="#">cmake-4.0.2-windows-arm64.zip</a>
macOS 10.13 or later	<a href="#">cmake-4.0.2-macos-universal.dmg</a>

# 2.ninja

<https://github.com/ninja-build/ninja/releases>

Assets		
<a href="#">ninja-linux-aarch64.zip</a>	119 KB	May 11, 2024
<a href="#">ninja-linux.zip</a>	120 KB	May 11, 2024
<a href="#">ninja-mac.zip</a>	275 KB	May 11, 2024
<a href="#">ninja-win.zip</a>	269 KB	May 11, 2024
<a href="#">ninja-winarm64.zip</a>	248 KB	May 11, 2024
<a href="#">Source code (zip)</a>		May 11, 2024
<a href="#">Source code (tar.gz)</a>		May 11, 2024

# 3.g++

<https://www.winlibs.com/>

Help! I don't know which download to choose!

Don't worry. For most purposes the latest Windows 64-bit release version with MSVCRT runtime and POSIX threads is a good choice.

Download [here](#).

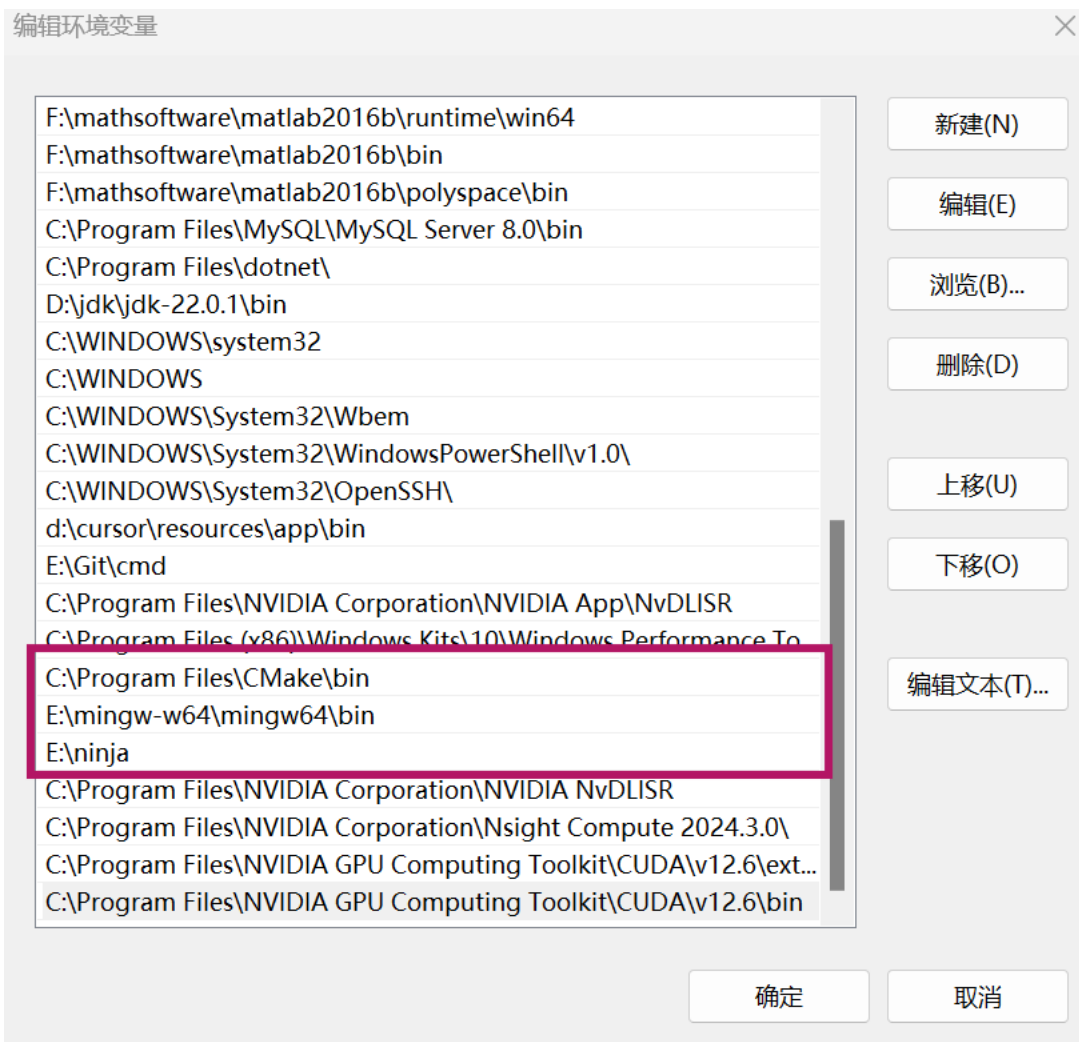
Release versions

UCRT runtime

- GCC 15.1.0 (with **POSIX** threads) + MinGW-w64 13.0.0 UCRT - release 2 (LATEST)
  - Win32 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
- GCC 15.1.0 (with **POSIX** threads) + MinGW-w64 12.0.0 UCRT - release 1
  - Win32 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
- GCC 15.1.0 (with **MCF** threads) + MinGW-w64 12.0.0 UCRT - release 1
  - Win32 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
- GCC 14.3.0 (with **POSIX** threads) + MinGW-w64 12.0.0 UCRT - release 1
  - Win32 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64 (without LLVM/Clang/LLD/LLDB): [7-Zip archive\\*](#) | [Zip archive](#)
- GCC 14.2.0 (with **POSIX** threads) + LLVM/Clang/LLD/LLDB 19.1.7 + MinGW-w64 12.0.0 UCRT - release 3
  - Win32: [7-Zip archive\\*](#) | [Zip archive](#) - without LLVM/Clang/LLD/LLDB: [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64: [7-Zip archive\\*](#) | [Zip archive](#) - without LLVM/Clang/LLD/LLDB: [7-Zip archive\\*](#) | [Zip archive](#)
- GCC 14.2.0 (with **POSIX** threads) + LLVM/Clang/LLD/LLDB 19.1.1 + MinGW-w64 12.0.0 UCRT - release 2
  - Win32: [7-Zip archive\\*](#) | [Zip archive](#) - without LLVM/Clang/LLD/LLDB: [7-Zip archive\\*](#) | [Zip archive](#)
  - Win64: [7-Zip archive\\*](#) | [Zip archive](#) - without LLVM/Clang/LLD/LLDB: [7-Zip archive\\*](#) | [Zip archive](#)

# 基于Anconda的dcvc环境配置 (基础)-cmake,g++,ninja安装验证

## 1.检查PATH中是否有如下三个！！



## 2.运行如下命令，如果输出版本号，则说明都安装成功并加入环境变量



## 基于Anconda的dcvc环境配置 (基础)-requirements等

1.请尽量选择我们的版本 😊，也就是DCVC在E:\DCVC\_project\farm\_monitoring\external\DCVC的版本  
链接：  
优势：

- ◆ 这个版本有VTM的使用，可以帮助理解视频压缩。

- ◆ 本教程基于此版本。包括更详细的数据配置，更完整的项目框架（后续待加入目标检测等）。

2.如果不考虑项目完整性，单纯想测试DCVC，也可以，注意路径搭配等，

具体查询：<https://github.com/microsoft/DCVC/tree/main> 查看README文件，里面非常详细。要说和我们版本的区别就是路径和大框架而已。咨询AI 解答

### >继续基于我们版本的安装：

- 🧠 接下来我们需要使用：x64 Native Tools Command Prompt for VS 2022

原因：简单的说，有些dcvc需要的组件在VS2022里，所以需要VS2022的终端环境。这个说法并不十分准确，可以详询AI。

有两种方法供选择：

1.在激活conda环境时同时激活x64 Native Tools Command Prompt for VS 2022 (推荐) 

推荐原因：十分方便，没别的原因。

虽然但是，我们会先进行以下的教学，原因：方便理解我们在干什么。

2.直接在windows打开x64 Native Tools Command Prompt for VS 2022

# 🟡 x64 Native Tools Command Prompt for VS 2022 下安装 requirements等

## 1. 打开x64 Native Tools Command Prompt for VS 2022

没有就是没有VS2022

## 2. 激活环境，并导航到我们的项目目录

注：请通人性的变换路径。

本教程根路径为：E:\DCVC\_project

本教程DCVC路径为：farm\_monitoring\external\DCVC

◆ conda activate dcvc\_0

◆ cd /d E:\DCVC\_project\farm\_monitoring\external\DCVC

🔧 ps:x64 Native Tools Command Prompt for VS 2022是cmd类，所以cd要加/d

## 3. 安装依赖：

路径为：E:\DCVC\_project\farm\_monitoring\external\DCVC\requirements.txt

◆ pip install -r requirements.txt

```
*****
** Visual Studio 2022 Developer Command Prompt v17.14.4
** Copyright (c) 2025 Microsoft Corporation
*****
[lvcvarsall.bat] Environment initialized for: x64
C:\Windows\System32>conda activate dcvc_0
(dcvc_0) C:\Windows\System32>
(dcvc_0) C:\Windows\System32>cd /d E:\DCVC_project\farm_monitoring\external\DCVC
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC>pip install -r requirements.txt
Requirement already satisfied: numpy>=1.20.0 in d:\anaconda\envs\dcvc_0\lib\site-packages (from -r requirements.txt (line 1)) (2.1.2)
Collecting scipy (from -r requirements.txt (line 2))
  Downloading scipy-1.15.3-cp312-cp312-win_amd64.whl.metadata (60 kB)
Collecting matplotlib (from -r requirements.txt (line 3))
```



🎉 成功！有报错那就AI吧！

```
管理员: x64 Native Tool...
- 2.2/2.2 MB 3.0 MB/s eta 0:00:00
Downloading kiwisolver-1.4.8-cp312-cp312-win_amd64.whl (71 kB)
Downloading packaging-25.0-py3-none-any.whl (66 kB)
Downloading pyparsing-3.2.3-py3-none-any.whl (111 kB)
Downloading python_dateutil-2.9.0.post0-py2.py3-none-any.whl (229 kB)
Downloading six-1.17.0-py2.py3-none-any.whl (11 kB)
Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: six, scipy, pyparsing, pybind11, packaging, kiwisolver, fonttools, cycycler, contourpy, colorama, tqdm, python-dateutil, bd-metric, matplotlib
Successfully installed bd-metric-0.9.0 colorama-0.4.6 contourpy-1.3.2 cycycler-0.12.1 fonttools-4.58.3 kiwisolver-1.4.8 matplotlib-3.10.3 packaging-25.0 pybind11-2.13.6 pyparsing-3.2.3 python-dateutil-2.9.0.post0 scipy-1.15.3 six-1.17.0 tqdm-4.67.1
```



安装剩余两个依赖(这里非常容易报错, 多多咨询AI吧! 实在不行咨询我)

(1)第一个依赖, 路径: E:\DCVC\_project\farm\_monitoring\external\DCVC\src\cpp, 本质就是路径下的setup.py文件

- ◆ cd ./src/cpp/
- ◆ pip install .

```
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC>cd ./src/cpp/
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src\cpp>pip install .
Processing e:\dcvc_project\farm_monitoring\external\dcvc\src\cpp
  Preparing metadata (setup.py) ... done
Building wheels for collected packages: MLCodec_extensions_cpp
  DEPRECATION: Building 'MLCodec_extensions_cpp' using the legacy setup.py bdist_wheel mechanism, which will be removed
in a future version. pip 25.3 will enforce this behaviour change. A possible replacement is to use the standardized build
interface by setting the '--use-pep517' option, (possibly combined with '--no-build-isolation'), or adding a 'pyproject
.toml' file to the source tree of 'MLCodec_extensions_cpp'. Discussion can be found at https://github.com/pypa/pip/issu
es/6334
  Building wheel for MLCodec_extensions_cpp (setup.py) ... done
  Created wheel for MLCodec_extensions_cpp: filename=mlcodec_extensions_cpp-0.0.0-cp312-cp312-win_amd64.whl size=93970 s
ha256=2fd6ee14a426e6ce27a3086a0ca25b07390799b716385a11f556e145d3faa0d2
  Stored in directory: C:\Users\User\AppData\Local\Temp\pip-ephem-wheel-cache-5_n5al5q\wheels\39\02\87\3e0da9ad3409d968a
054fd530fb79ba6183fe7e38be2da126c
Successfully built MLCodec_extensions_cpp
Installing collected packages: MLCodec_extensions_cpp
Successfully installed MLCodec_extensions_cpp-0.0.0
```

(1)第二个依赖, 路径: E:\DCVC\_project\farm\_monitoring\external\DCVC\src\layers\extensions\inference

如果你刚安装完第一个依赖:

- ◆ cd ..
- ◆ cd layers/extensions/inference
- ◆ set DISTUTILS\_USE\_SDK=1
- ◆ pip install .

>详情见第二页

## >安装第二个依赖详情:

```
管理员: x64 Native Tools Command Prompt for VS 2022 - "D:\Anaconda\condabin\conda.bat" activate dcvc_0
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src\cpp>cd ..
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src>cd layers/extensions/inference
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src\layers\extensions\inference>set DISTUTILS_USE_SDK=1
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src\layers\extensions\inference>pip install .
Processing e:\dcvc_project\farm_monitoring\external\dcvc\src\layers\extensions\inference
  Preparing metadata (setup.py) ... done
Building wheels for collected packages: inference_extensions_cuda
  DEPRECATION: Building 'inference_extensions_cuda' using the legacy setup.py bdist_wheel mechanism, which will be
removed in a future version. pip 25.3 will enforce this behaviour change. A possible replacement is to use the stan
dardized build interface by setting the '--use-pep517' option, (possibly combined with '--no-build-isolation'), or
adding a 'pyproject.toml' file to the source tree of 'inference_extensions_cuda'. Discussion can be found at https:
//github.com/pypa/pip/issues/6334
  Building wheel for inference_extensions_cuda (setup.py) ... done
  Created wheel for inference_extensions_cuda: filename=inference_extensions_cuda-0.0.0-cp312-cp312-win_amd64.whl s
ize=231948 sha256=42273217c6baac25a126d396838572ee799b288bbfc78b59560680af8ce5d8dd
  Stored in directory: C:\Users\User\AppData\Local\Temp\pip-ephem-wheel-cache-w5or6xb8\wheels\fd\64\73\9e0c932f923e
e64dc783d1a109a16af1b4f12488271c63c641
Successfully built inference_extensions_cuda
Installing collected packages: inference_extensions_cuda
Successfully installed inference_extensions_cuda-0.0.0
(dcvc_0) E:\DCVC_project\farm_monitoring\external\DCVC\src\layers\extensions\inference>
```

如果没有报错就是成功，太棒了，你已经成功安装好所有依赖 🎉


本教程经过测试，严格按照流程来没有任何问题，如果最后一个依赖出现问题，尝试：

- ◆ set CUDA\_HOME=C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v12.6
- ◆ set DISTUTILS\_USE\_SDK=1

## conda环境自动激活x64 Native Tools Command Prompt for VS 2022

这一路走来真的不容易，所以请完成最后一个配置：在我们的conda环境下自动激活x64 Native Tools Command Prompt for VS 2022，实现一劳永逸 

如何在当前终端（比如 **Anaconda Prompt**、**PowerShell**、**CMD**）下，自动获得 **VS 2022 Developer Command Prompt** 的编译环境，而不用每次手动打开专用窗口？

 -VS Developer Command Prompt 的本质，就是先运行一个批处理脚本（如 **vcvars64.bat**）来设置一堆环境变量，让 **cl.exe**、**link.exe**、**rc.exe**、**nmake** 等编译工具能被系统找到。

## 2. 操作方法

### A. 找到 **vcvars64.bat** 的路径