

# Install Tensor Flow 2.0.0 on Windows 10

## Download and Install Anaconda

- Create ur own virtual environment
- `pip install tensorflow-gpu`

## Visual Studio

- download VS 2017 from here <https://www.techspot.com/downloads/6278-visual-studio.html>
- **Cuda 10.0 doesn't support VS 2019!!!**

## Nvidia Driver

- Just use the latest one from the website: <https://www.nvidia.com/Download/index.aspx?lang=en-us#>

## Cuda Tool Kit

- Ok, use CUDA TK **10.0** instead of 10.1
- Download it from here: <https://developer.nvidia.com/cuda-toolkit-archive>
- Install from the .exe

## Cudnn

- Download the library for CUDA TK 10.0: <https://developer.nvidia.com/rdp/cudnn-download>

## Set the Environment Variables

- search for Environment Variables, edit -> path in the system variables

Edit environment variable

- |  |
|--|
| C:\Anaconda3   |
| C:\Anaconda3\Library\mingw-w64\bin   |
| C:\Anaconda3\Library\usr\bin   |
| C:\Anaconda3\Library\bin   |
| C:\Anaconda3\Scripts   |
| C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\bin                 |
| C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\extras\CUPTI\libx64 |
| C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\libnvvp             |
- |  |
|--|
| C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\extras\CUPTI\libx64 |
| D:\CODING\CUDA Components\cudnn-10.0-windows7-x64-v7.6.4.38\cuda\bin         |
| D:\CODING\CUDA Components\cudnn-10.0-windows7-x64-v7.6.4.38\cuda\include     |
| D:\CODING\CUDA Components\cudnn-10.0-windows7-x64-v7.6.4.38\cuda\lib         |

## Test It

- open a cmd console in anaconda navigator

```
from __future__ import absolute_import, division, print_function,  
unicode_literals
```

import tensorflow as tf

print("GPU Available: ", tf.test.is\_gpu\_available())

- All set, if return `True`