

環境建置

1. Hardware requirements

The following GPU-enabled devices are supported:

NVIDIA® GPU card with CUDA® Compute Capability 3.5 or higher. See the list of [CUDA-enabled GPU cards](#).

Software requirements

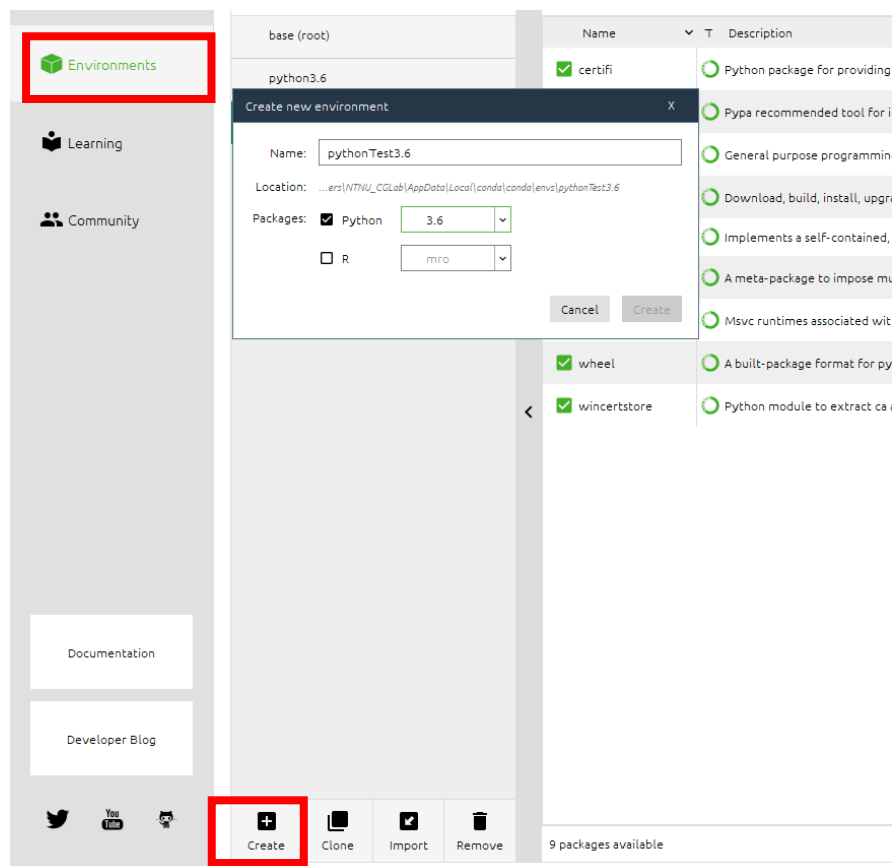
The following NVIDIA® software must be installed on your system:

- [NVIDIA® GPU drivers](#) —CUDA 10.0 requires 410.x or higher.
- [CUDA® Toolkit](#) —TensorFlow supports CUDA 10.0 (TensorFlow >= 1.13.0)
- [CUPTI](#) ships with the CUDA Toolkit.
- [cuDNN SDK](#) (>= 7.4.1)
- (Optional) [TensorRT 5.0](#) to improve latency and throughput for inference on some models.

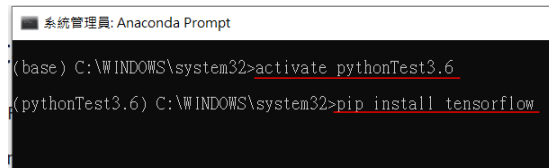
2. 下載、安裝 Anaconda,

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

3. 開啟 Anaconda Navigator , 建立 environment



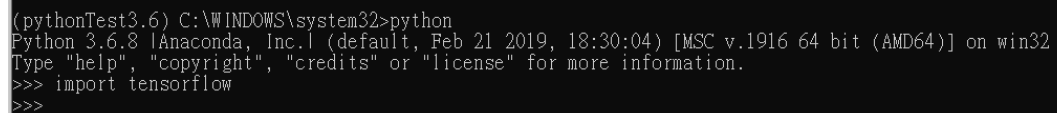
4. 以系統管理員開啟 Anaconda Prompt ，Activate 建立的環境
安裝 tensorflow 、tensorflow-gpu 、opencv 、Matplotlib 、pillow



```
系統管理員: Anaconda Prompt
(base) C:\WINDOWS\system32>activate pythonTest3.6
(pythonTest3.6) C:\WINDOWS\system32>pip install tensorflow
```

pip install tensorflow
pip install tensorflow-gpu
pip install opencv-python
pip install Matplotlib
pip install pillow

5. 測試 tensorflow 是否順利安裝：



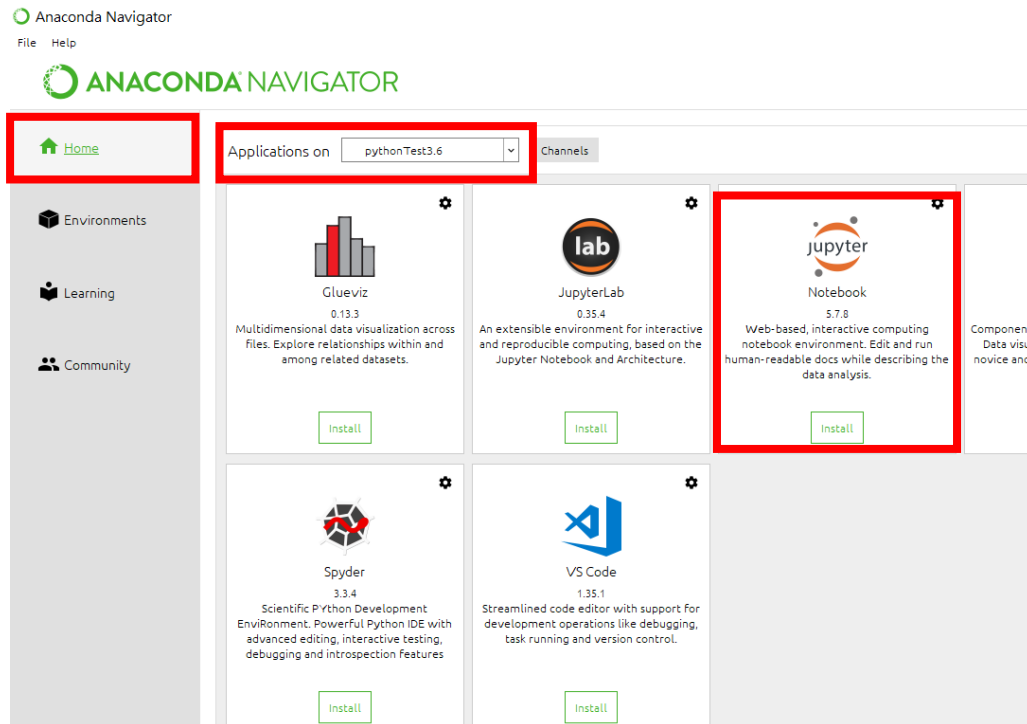
```
(pythonTest3.6) C:\WINDOWS\system32>python
Python 3.6.8 |Anaconda, Inc.| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow
>>>
```

如果有跳出錯誤，刪除後重新安裝

例如: No module named 'absl'

pip uninstall absl
pip install absl

6. 在環境中安裝 jupyter notebook 、並 launch



7. 開啟 denoiser.ipynb，依序執行就 OK 了

