

深度学习基础课程

Deep Learning Foundation Course



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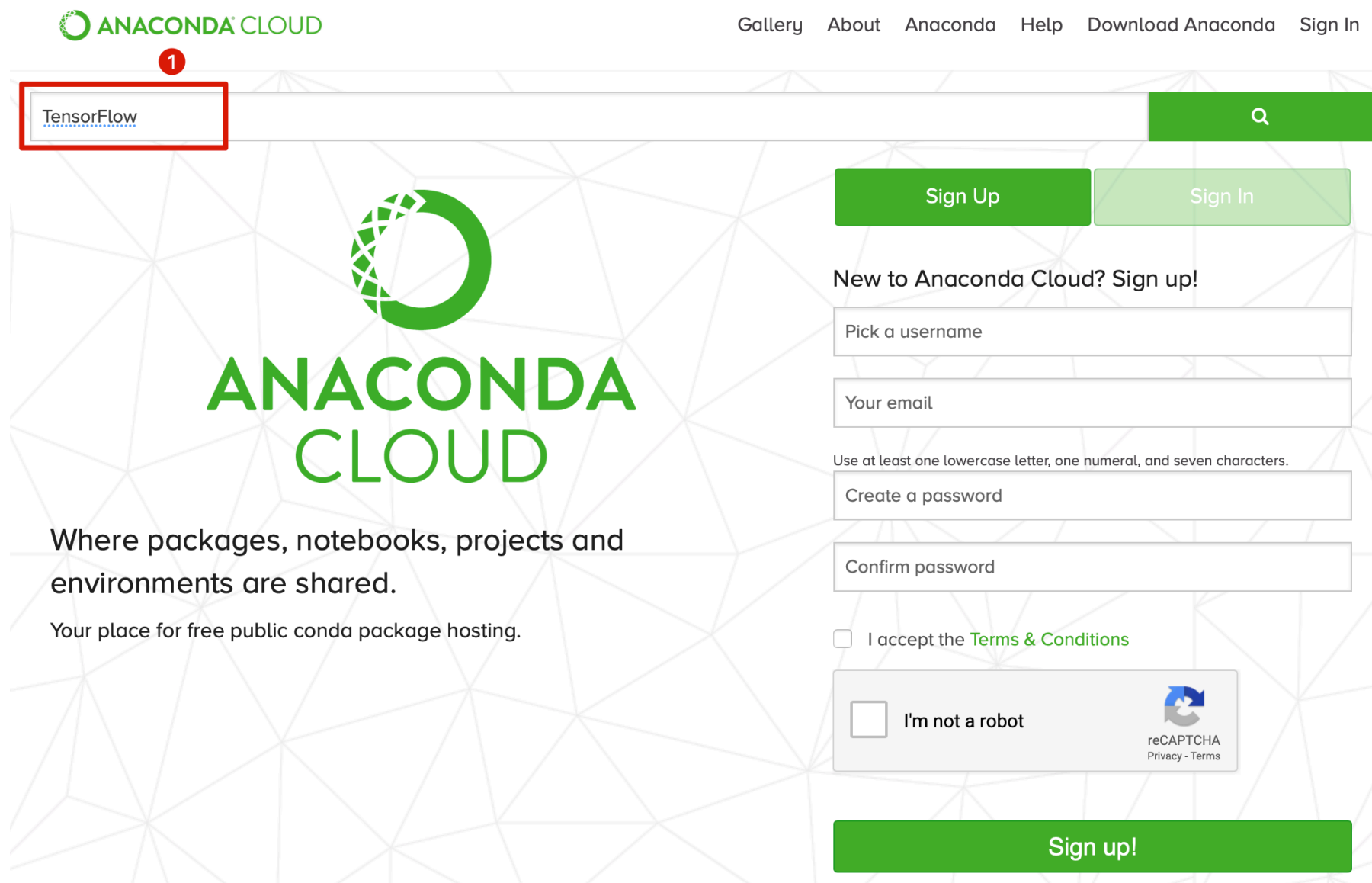
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- Anaconda
 - Python3. (Anaconda包含)
 - Qt console (Anaconda包含)
 - JupyterLab (Anaconda包含)
 - TensorFlow (**>=2.0**版本集成了**Keras**)
 - Numpy
 - Matplotlib
 - OpenCV

安装Anaconda后
<https://anaconda.org>



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TensorFlow

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深度学习开发环境

⚡ Favorites	▼ Downloads	⚡ Package (owner / package)	Platforms
116	1996163	 conda-forge / tensorflow 1.13.2 ① 1.13.2 版本, 不要选这个 TensorFlow is an open source machine learning framework for everyone.	linux-64 osx-64 win-64
5	564670	 anaconda / tensorflow-base 2.2.0 TensorFlow is a machine learning library, base package contains only tensorflow.	linux-64 osx-64 win-64
44	276159	 anaconda / tensorflow 2.2.0 ② ≥2.0 版本, 选这个 TensorFlow is a machine learning library.	linux-64 osx-64 win-64
0	201308	 conda-forge / tensorflow-base 1.13.2 TensorFlow is an open source machine learning framework for everyone.	linux-64 osx-64 win-64
70	198500	 anaconda / tensorflow-gpu 2.2.0 ③ 如果你的 PC 有 NVIDIA 的 GPU, 可以选这个 Metapackage for selecting a TensorFlow variant.	linux-64 win-64
0	125594	 conda-forge / tensorflow-estimator 1.14.0 TensorFlow Estimator is a high-level TensorFlow API that greatly simplifies machine learning programming.	linux-64 osx-64 win-64
3	98344	 intel / tensorflow 2.1.0 TensorFlow is a machine learning library	linux-64 source
0	82802	 anaconda / tensorflow-estimator 2.2.0 TensorFlow Estimator	noarch

anaconda / packages / tensorflow 2.2.0



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TensorFlow is a machine learning library.

Conda

Files

Labels

Badges

License: [Apache 2.0](#)Home: <http://tensorflow.org/>Development: <https://github.com/tensorflow/tensorflow>Documentation: https://www.tensorflow.org/get_started/get_started

276161 total downloads



Last upload: 9 days and 10 hours ago

Installers

conda install ?



linux-64 v2.2.0



win-64 v2.1.0



osx-64 v2.0.0

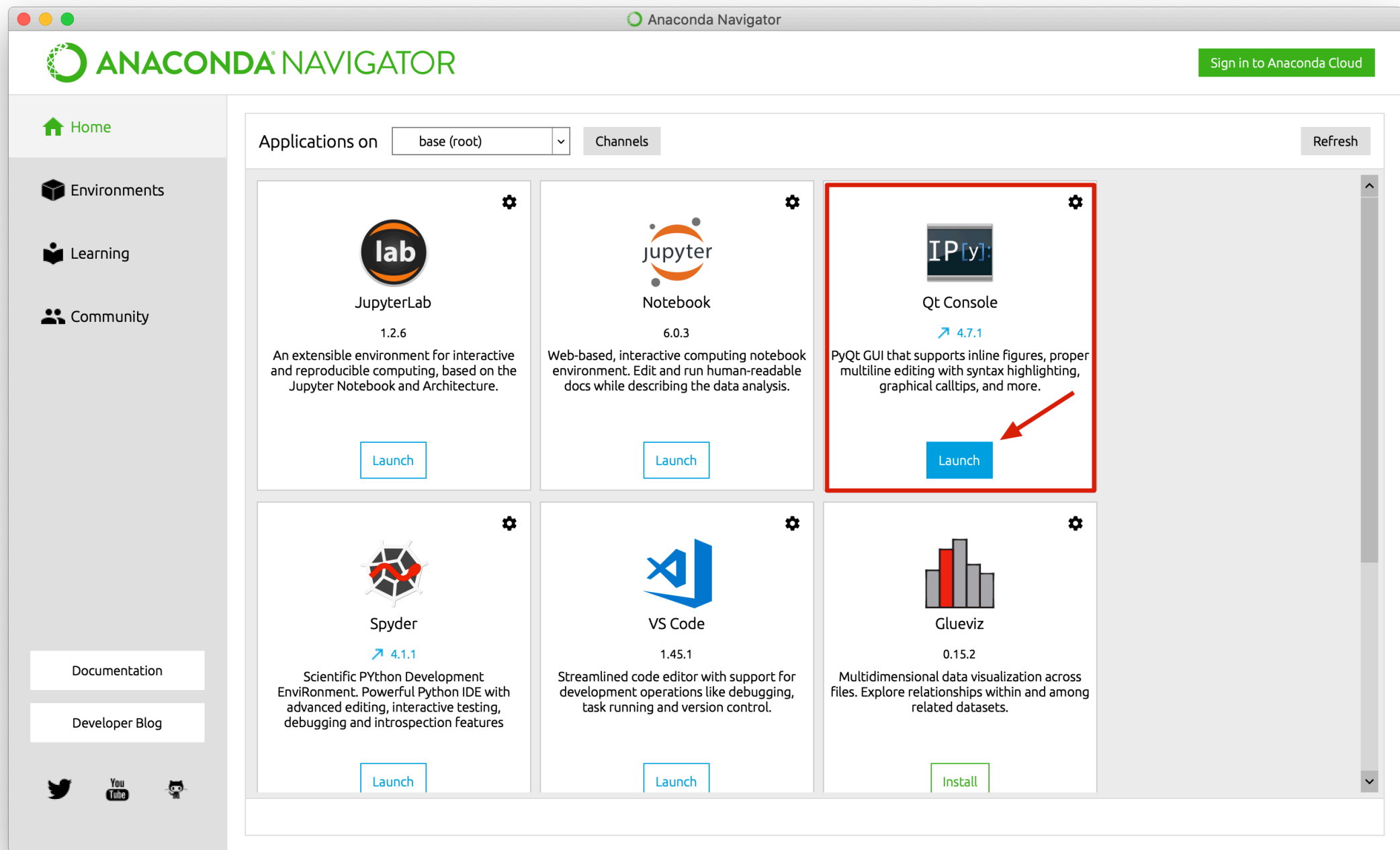
To install this package with conda run:

```
conda install -c anaconda tensorflow
```

安装Numpy Matplotlib OpenCV

- Numpy
 - `conda install numpy`
- Matplotlib
 - `conda install matplotlib`
- OpenCV
 - `conda install -c conda-forge opencv`

深度学习开发环境



- `import tensorflow as tf`
- `tf.__version__`
- `import numpy as np`
- `import matplotlib.pyplot as plt`
- `import cv2`

```
Jupyter QtConsole
Python 3.7.4 (default, Aug 13 2019, 15:17:50)
Type 'copyright', 'credits' or 'license' for more information
IPython 7.13.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: import tensorflow as tf

In [2]: tf.__version__
Out[2]: '2.1.0'

In [3]: import numpy as np

In [4]: import matplotlib.pyplot as plt

In [5]: import cv2

In [6]:
```

TensorFlow 版本号 ≥ 2.0

Reference

- Anaconda介绍、安装及使用教程
<https://zhuanlan.zhihu.com/p/32925500>
- Anaconda
<https://www.anaconda.com>
- ANACONDA CLOUD
<https://anaconda.org>