

# Instalación de TensorFlow y Keras en Windows

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# Instalación de Anaconda



Windows



macOS



Linux

## Anaconda 2020.02 for Windows Installer

### Python 3.7 version

Download

64-Bit Graphical Installer (466 MB)

32-Bit Graphical Installer (423 MB)

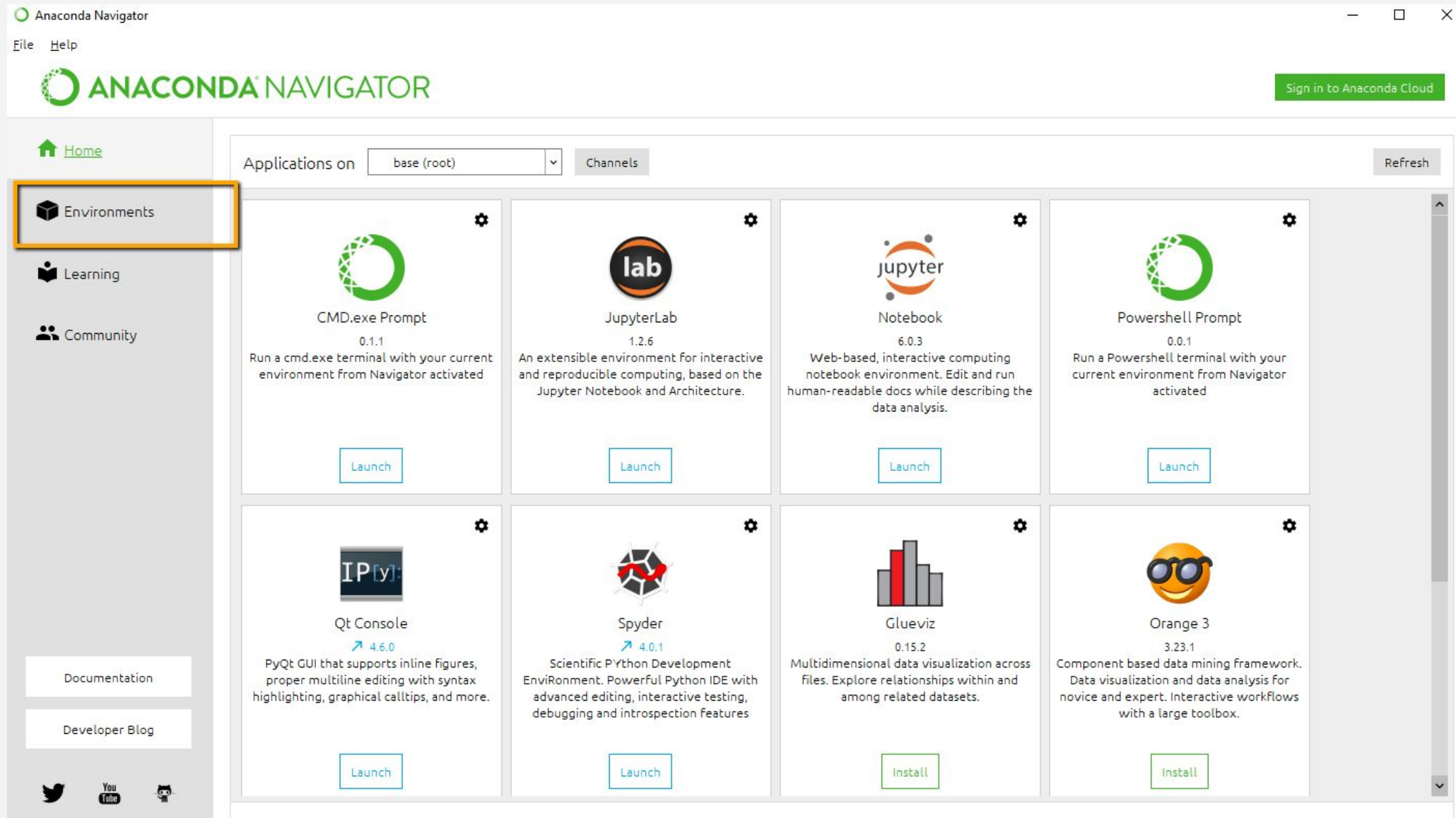
### Python 2.7 version

Download

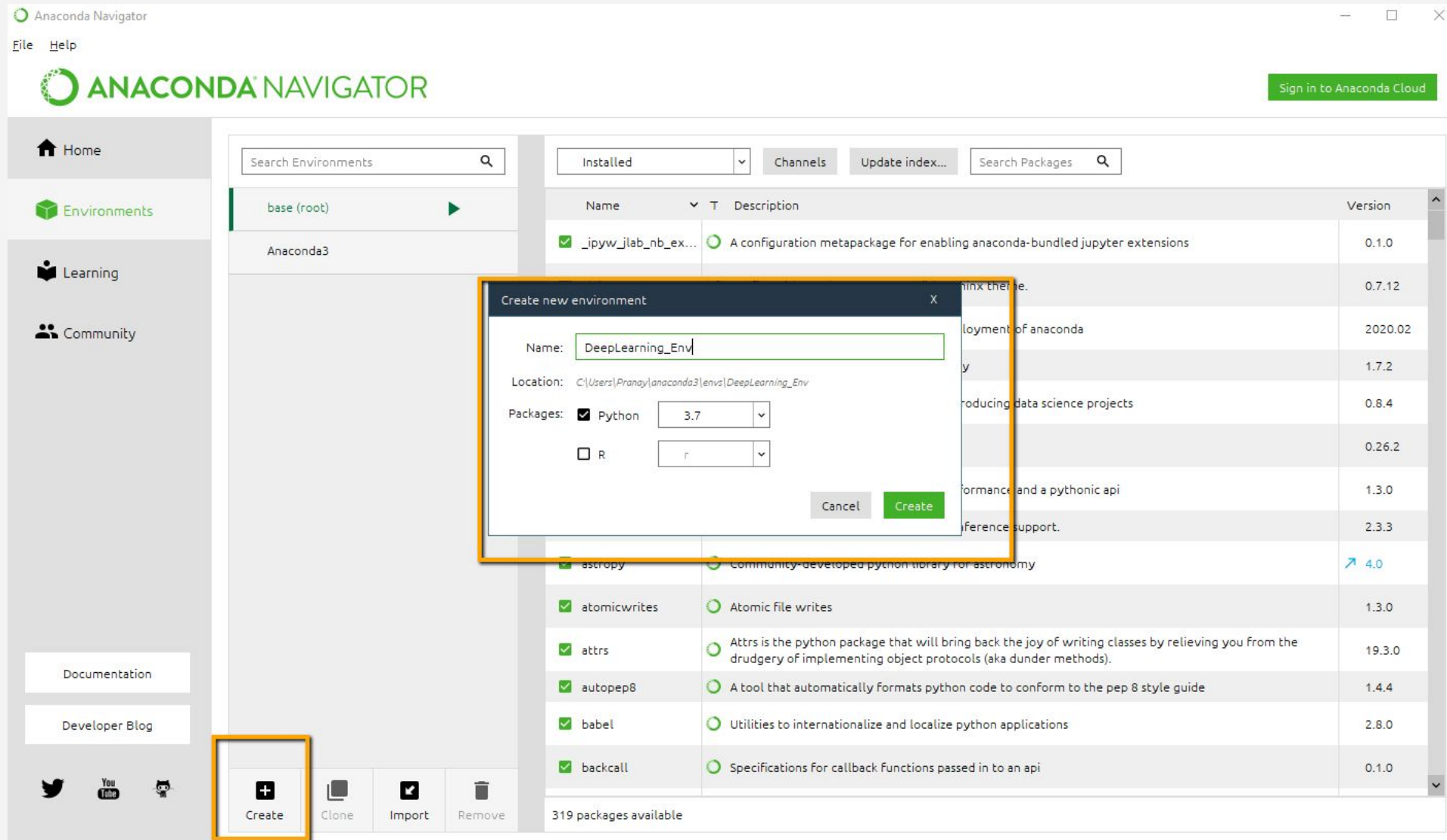
64-Bit Graphical Installer (413 MB)

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# Instalación de Anaconda



# Entorno virtual en Anaconda



# Instalación de **TensorFlow** en el Entorno Virtual

The screenshot shows the Anaconda Navigator interface. On the left sidebar, the 'Environments' tab is selected, and the 'DeepLearning\_Env' environment is highlighted. The main panel displays a list of packages available for installation. The 'Not installed' filter is selected at the top, and 'Tensorflow' is entered in the search bar. The 'tensorflow' package is selected in the list. The 'Apply' button is highlighted at the bottom right.

Search Environments

base (root)

Anaconda3

DeepLearning\_Env

Not installed

Channels

Update index...

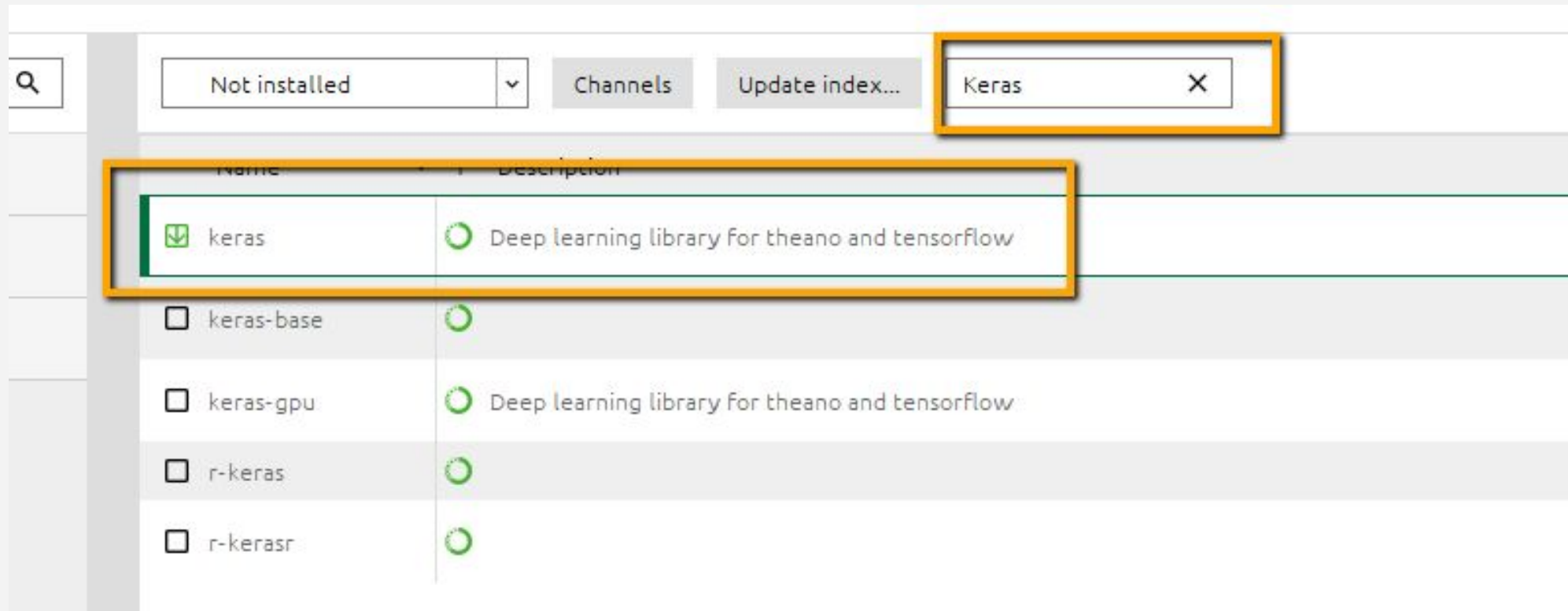
Tensorflow

Name	Description	Version
<input type="checkbox"/> keras	Deep learning library for theano and tensorflow	2.3.1
<input type="checkbox"/> keras-gpu	Deep learning library for theano and tensorflow	2.3.1
<input type="checkbox"/> opt_einsum	Optimizing einsum functions in numpy, tensorflow, dask, and more with contraction order optimization.	3.1.0
<input type="checkbox"/> r-tensorflow		1.8
<input checked="" type="checkbox"/> tensorflow	Tensorflow is a machine learning library.	2.1.0
<input type="checkbox"/> tensorflow-base	Tensorflow is a machine learning library, base gpu package, tensorflow only.	2.1.0
<input type="checkbox"/> tensorflow-datasets	Tensorflow/datasets is a library of datasets ready to use with tensorflow.	1.2.0
<input type="checkbox"/> tensorflow-eigen	Metapackage for selecting a tensorflow variant.	2.1.0
<input type="checkbox"/> tensorflow-estimator	Tensorflow estimator	2.1.0
<input type="checkbox"/> tensorflow-gpu	Metapackage for selecting a tensorflow variant.	2.1.0
<input type="checkbox"/> tensorflow-gpu-base	Tensorflow is a machine learning library, base gpu package, tensorflow only.	1.8.0
<input type="checkbox"/> tensorflow-hub	A library for transfer learning by reusing parts of tensorflow models.	0.7.0
<input type="checkbox"/> tensorflow-metadata	Library and standards for schema and statistics.	0.14.0
<input type="checkbox"/> tensorflow-mkl	Metapackage for selecting a tensorflow variant.	2.1.0

15 packages available matching "Tensorflow" 1 package selected

Apply Clear

# Instalación de **Keras** en el Entorno Virtual



# Probando el entorno virtual...

Anaconda Navigator

File Help

ANACONDA NAVIGATOR

Sign in to Anaconda Cloud

Home

Environments

Learning

Community

Documentation

Developer Blog

base (root)

Anaconda3

DeepLearning\_Env

Search Environments

Installed

Channels

Update index...

Search Packages

Name	Description	Version
✓ _tflow_select		2.2.0
✓ Abseil python common libraries, see https://github.com/abseil/abseil-py.		0.9.0
✓ Python asn.1 library with a focus on performance and a pythonic api		1.3.0
✓ Read, rewrite, and write python asts nicely		0.8.0
✓		1.0
✓ blinker	Fast, simple object-to-object and broadcast signaling	1.4
✓ ca-certificates	Certificates for use with other packages.	2020.1.1
✓ cachetools		3.1.1
✓ certifi	Python package for providing mozilla's ca bundle.	2020.4.5.1
✓ cffi	Foreign function interface for python calling c code.	1.14.0
✓ chardet	Universal character encoding detector	3.0.4
✓ click	Python composable command line interface toolkit	7.1.1
✓ cryptography	Provides cryptographic recipes and primitives to python developers	2.8

75 packages available

Create Clone Import Remove

Open Terminal

Open with Python

Open with IPython

Open with Jupyter Notebook



# Probando el entorno virtual...

C:\WINDOWS\system32\cmd.exe - python -i

```
Python 3.7.7 (default, Apr 15 2020, 05:09:04) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import tensorflow as tf
>>> import keras
Using TensorFlow backend.
>>>
```