

Set up the environment

Anaconda Installation

Go to [anaconda.com](https://www.anaconda.com/products/distribution) and press the download button:

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

When the installation is done - open Anaconda Navigator. The view should look like this:

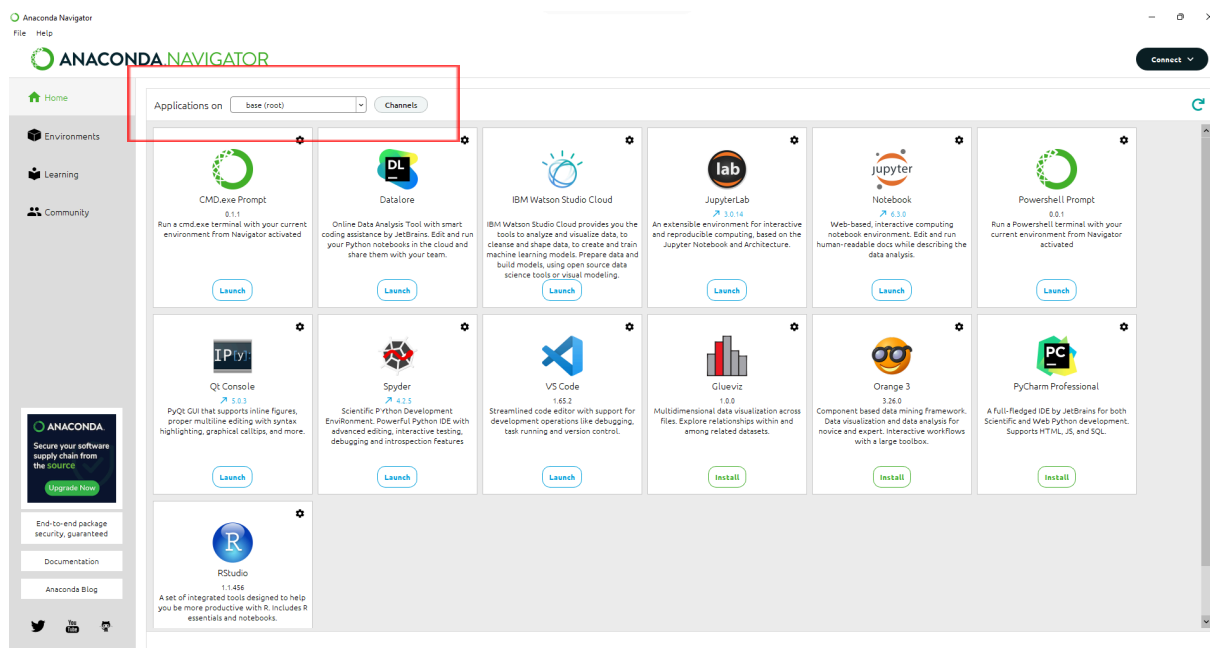


Figure 1 - Starting frame in Anaconda Navigator

The red box in figure 1 highlights a section called “Applications on”.

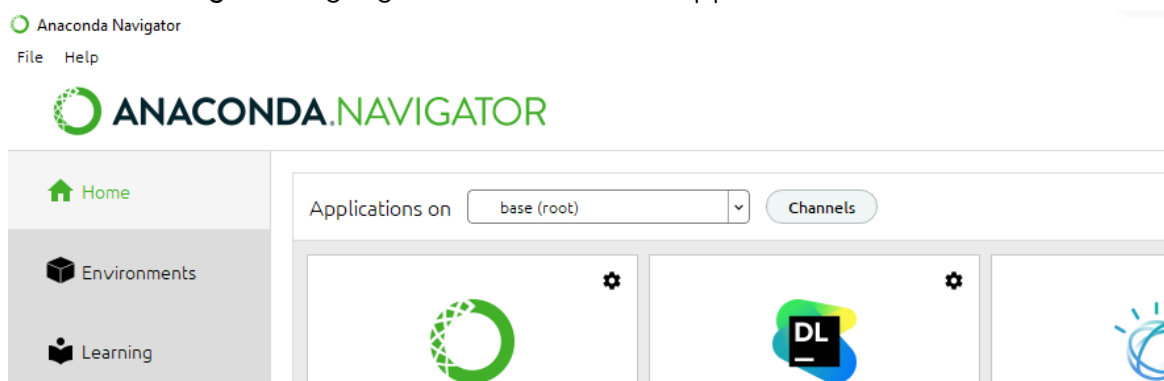


Figure 2 - The initial environment used in Anaconda is called “base (root)”.

Manually create an environment

Open the conda prompt and create a new conda environment:

```
conda create --name learningenvironment python=3.10
```

Activate the environment that you have created:

```
conda activate learningenvironment
```

```
[(base) emeliechandnijutvik@Emelies-MacBook-Pro ~ % conda info --env  
# conda environments:  
#  
base * /Users/emeliechandnijutvik/anaconda3  
fb_env /Users/emeliechandnijutvik/anaconda3/envs/fb_env  
  
[(base) emeliechandnijutvik@Emelies-MacBook-Pro ~ % conda activate fb_env  
(fb_env) emeliechandnijutvik@Emelies-MacBook-Pro ~ % █
```

Figure 3 - Example of how it looks in the conda prompt when you activate a new environment

Make sure that you have pip installed in your created environment:

```
conda install pip
```

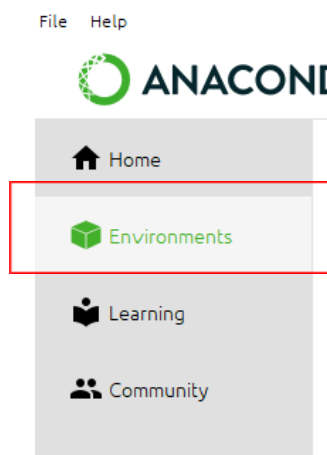
Now you can install tensorflow. This is a big package and will take some time to install.

```
pip install tensorflow
```

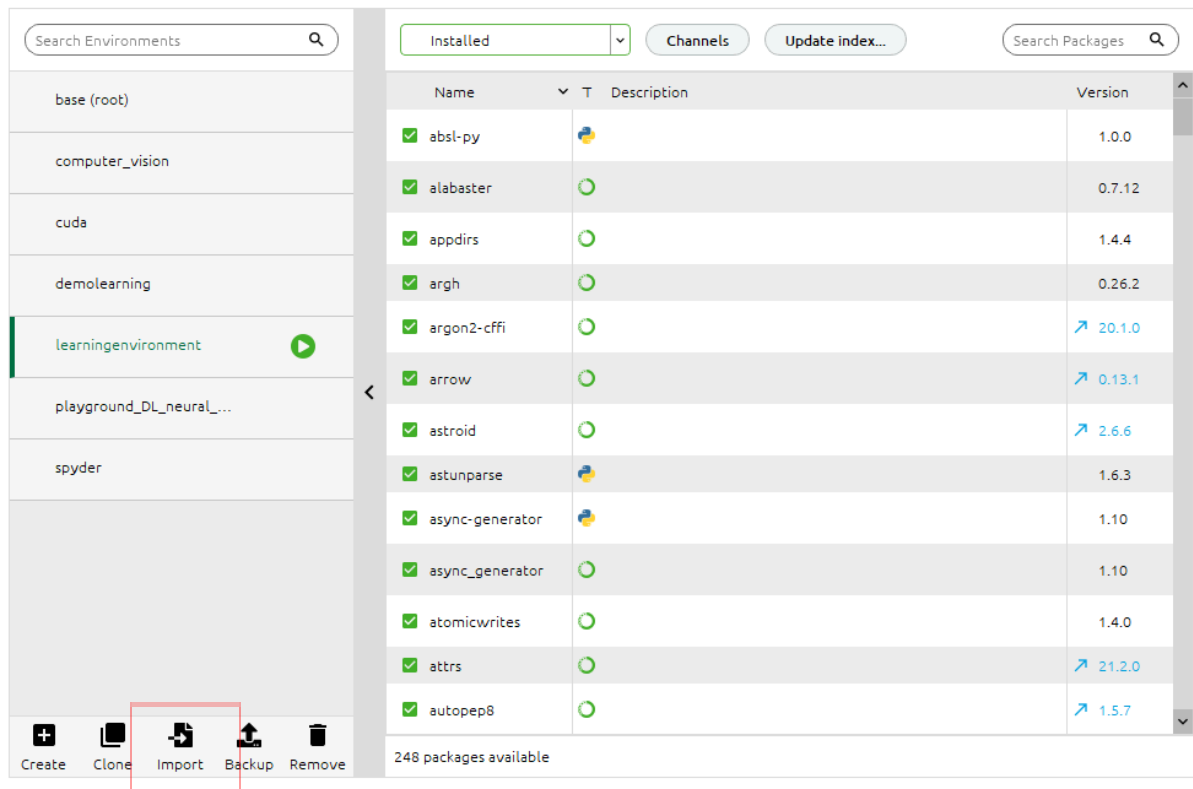
Import an environment file

For this project we need a specific environment found in the .yaml file in this project called "learningenvironment.yaml".

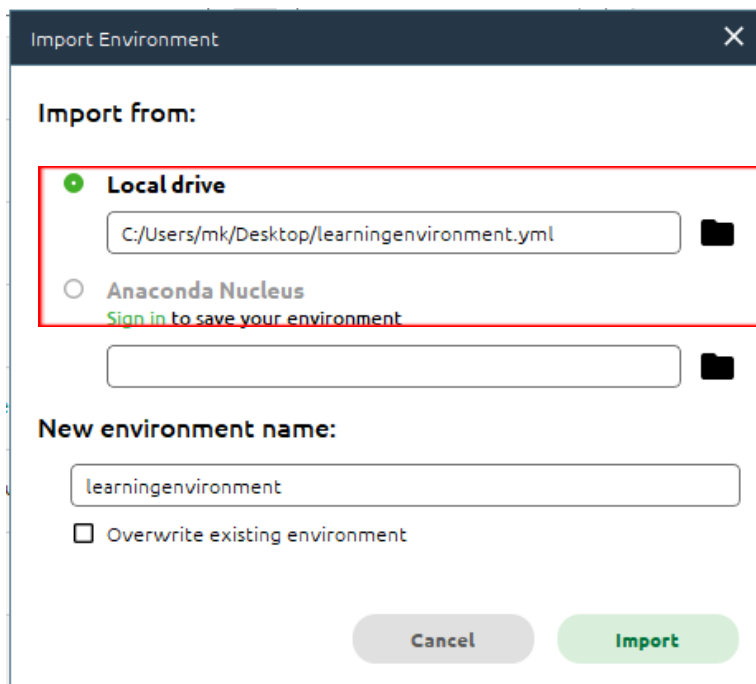
This file can be imported in Anaconda Navigator by clicking on the "Environment." tabs:



The next step is to press the “Import” button:



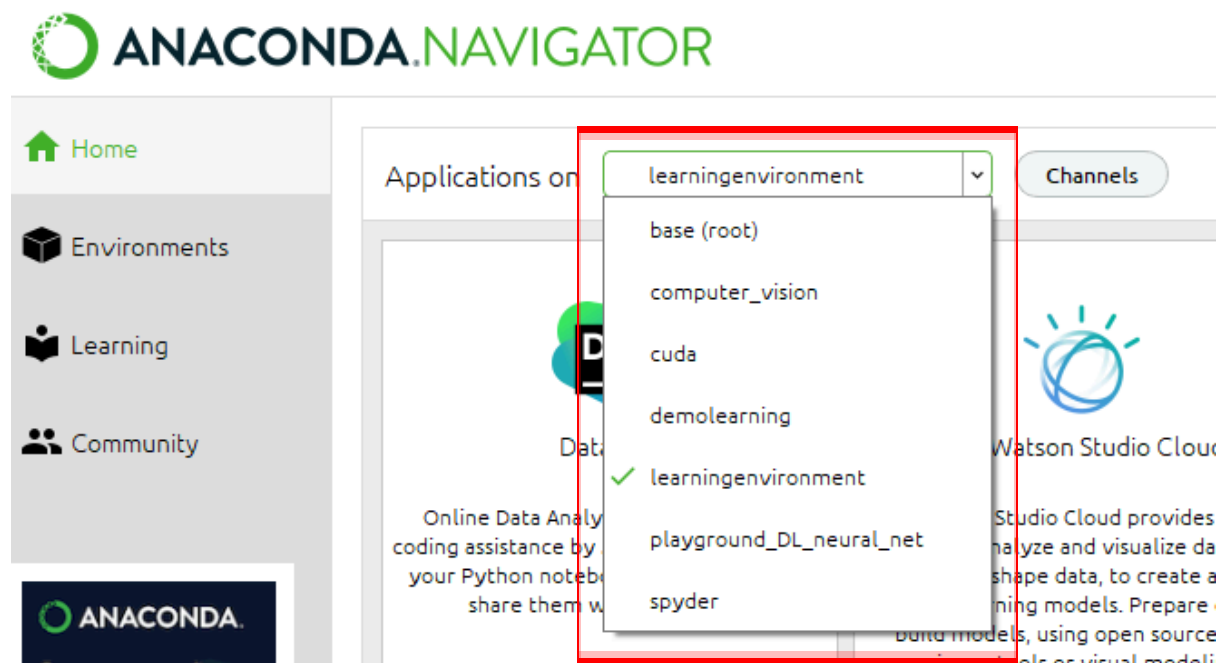
Navigate to the file “learningenvironment.yml” to import the environment that we need for this demo project:



Anaconda Navigator will now install all the libraries we need for this project to run on your computer. (This might take a while so just be patient.)

Activate you environment in Anaconda Navigator

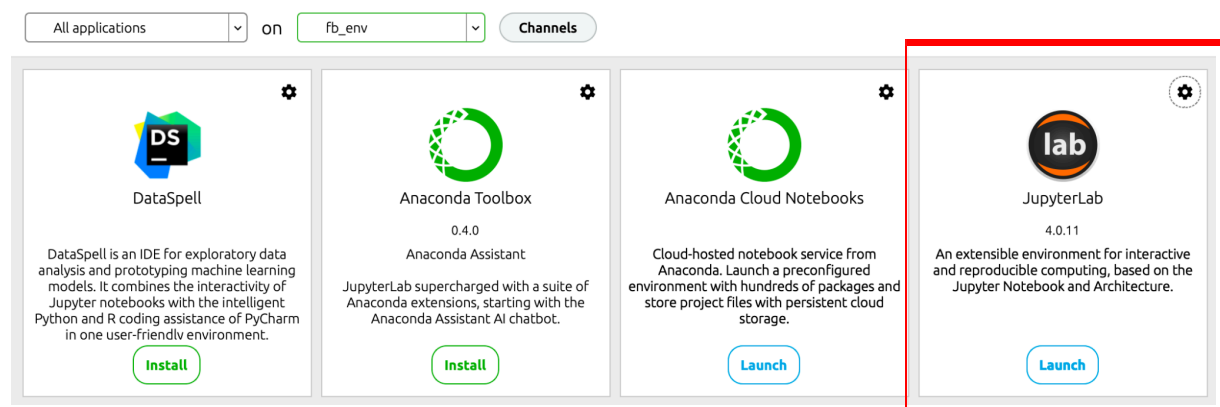
When you have created your environment and open the Anaconda Navigator you should find the newly installed environment listed in the drop menu “Applications on”.



The chosen environment in the drop menu “Application on” shows which environment is activated.

Make sure that you **ALWAYS** choose this environment while working with this demo project.

For this project we will use **JupyterLab** Notebook so all you need to do is to see that this application is installed in this new environment. If not - just press on the button “install” for JupyterLab Notebook and Anaconda Navigator will install this application in the chosen environment.



Well done! :)