

Tutorial to install conda and setup the appropriate environment to run the code of Chapter 7 of Jibril Frej Thesis

Hamdi Rezgui

March 2021

Contents

1	Introduction	2
2	Installing anaconda on the servers of LIG	2
3	Creating an environment with a specific version of python and installing tensorflow 1.15	2

1 Introduction

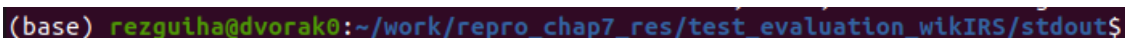
In this document, i will present a tutorial on how to install conda on the servers of LIG and how to setup the appropriate environment to run the code of Chapter 7 of Jibril Frej Thesis. In the code, Jibril uses the tensorflow package version 1 and not the 2 version which is more recent. To use tensorflow version1 you need to have a version of python that is less than 3.8.

In this tutorial, we will install anaconda and setup an environment with the version 3.7 and tensorflow version 1.15

2 Installing anaconda on the servers of LIG

It is possible to install anaconda on the lab servers without requiring a request to install something on the server. It is installed in your file partition and will work for any computer you log in on the LIG servers

1. Log on to one of the computers on the server. It doesn't matter which one
2. Download the Anaconda installer for linux using the wget command
wget https://repo.anaconda.com/archive/Anaconda3-2020.11-Linux-x86_64.sh
3. Go to the folder where you downloaded the .sh install it and using the bash command to run it
bash Anaconda3-2020.11-Linux-x86_64.sh
4. the (base) should appear now before your login@computer.imag.fr



```
(base) rezguiha@dvorak0:~/work/repro_chap7_res/test_evaluation_wikIRS/stdout$
```

Figure 1: What appears after installation

3 Creating an environment with a specific version of python and installing tensorflow 1.15

1. Create an environment with a specific version of python using this command
conda create -n myenv python=3.7
with myenv is the name of the environnement you wish to create
2. activate the environment you created using the following command
conda activate myenv
3. Install a particular version of tensorflow by the following command
conda install -c conda-forge tensorflow=1.15