Prepare your Saturn Cloud space

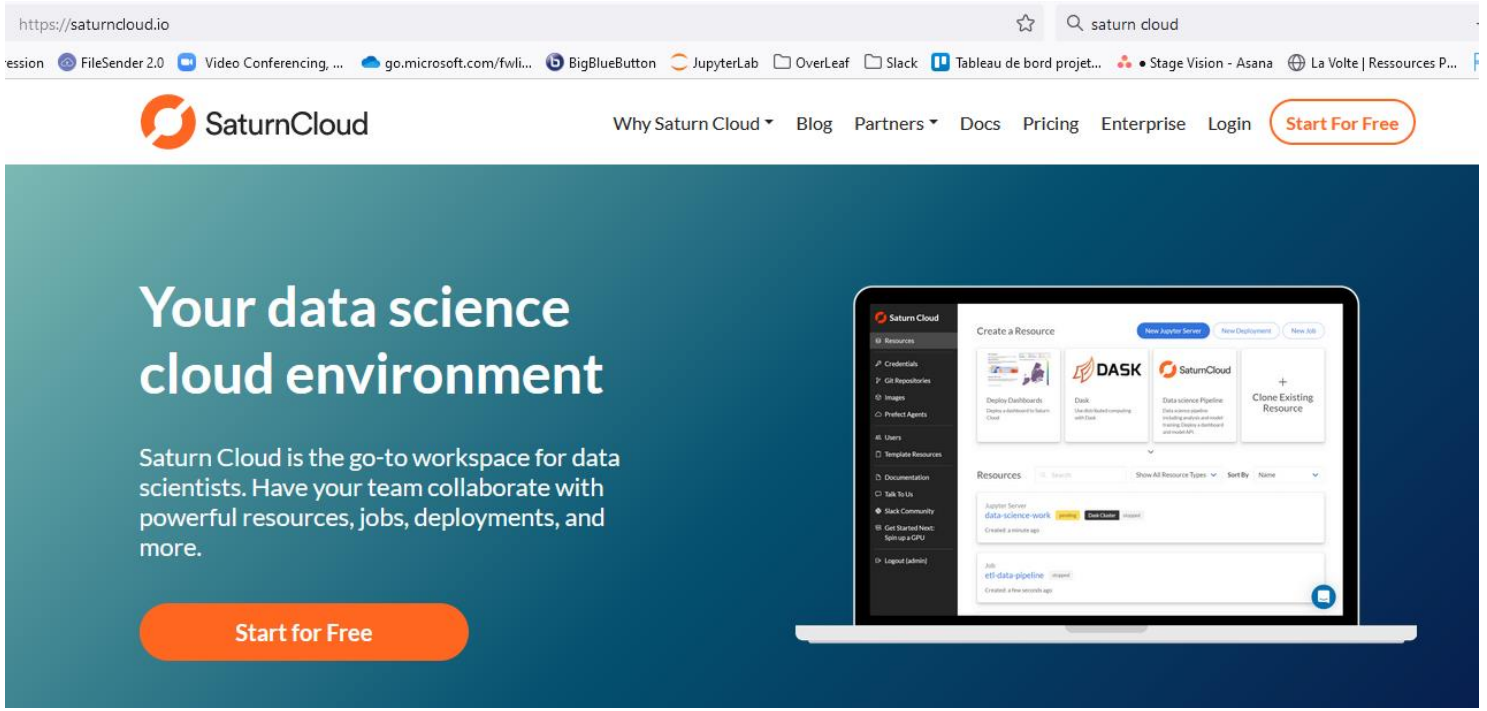
by
Hoai-Thu NGUYEN
Université de Lyon, CREATIS
June 2022

Steps required

1. Create an account on a cloud plateform (Saturn Cloud)
2. Create a jupyter server and parametrize it on this cloud
3. Start the jupyter server
4. Launch the Jupyter lab environment

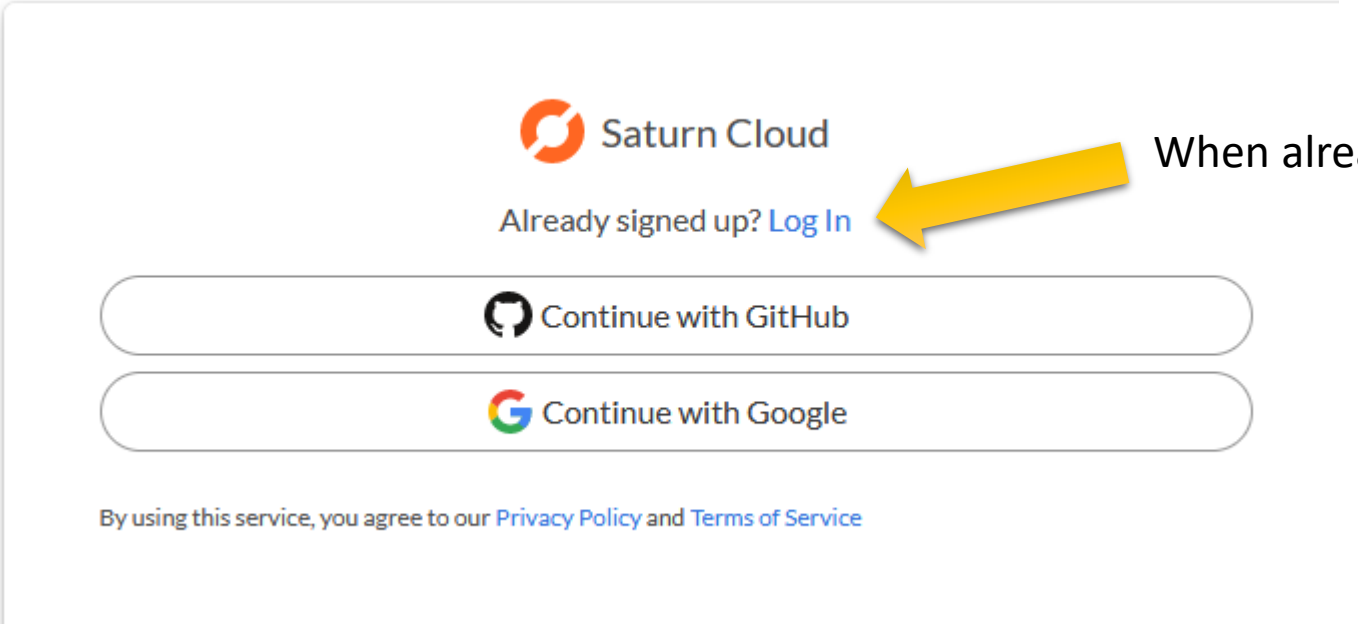
1- Create an account

- It’s free, « just » need an email adress
- Connect on https://saturncloud.io and clic on « Start for Free »



1- Create an account

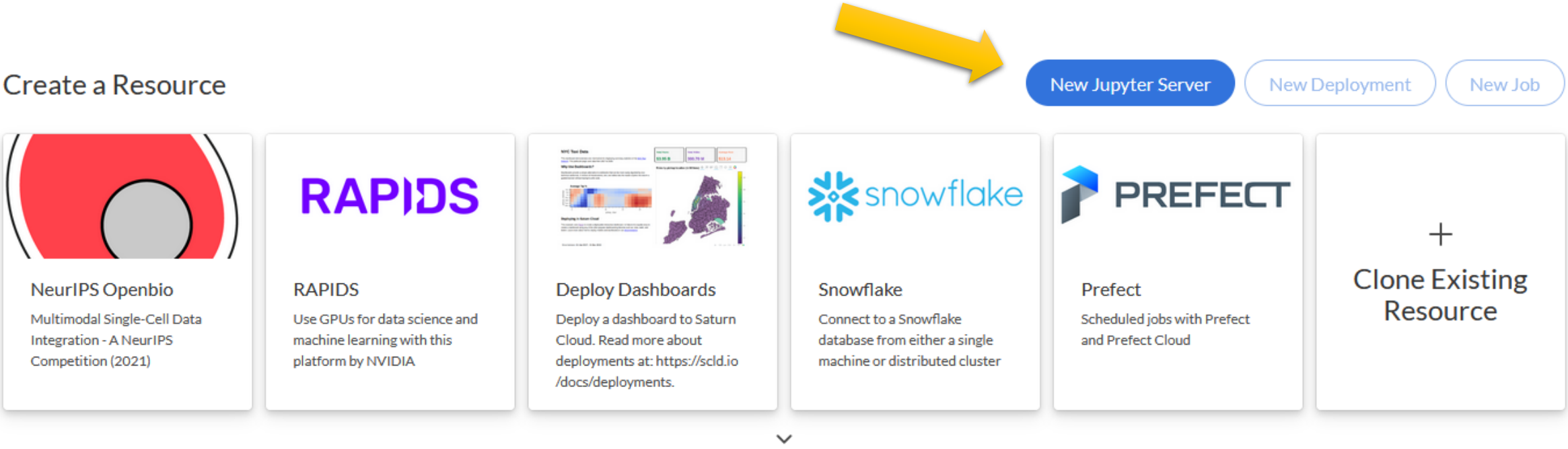
- You can use one of your GitHub or Google account
- Optionnaly, you can create a Saturn Cloud account



When already registered

2- Create your jupyter server

- Hands-on are Jupyter notebooks, so create first a server on Saturn Cloud

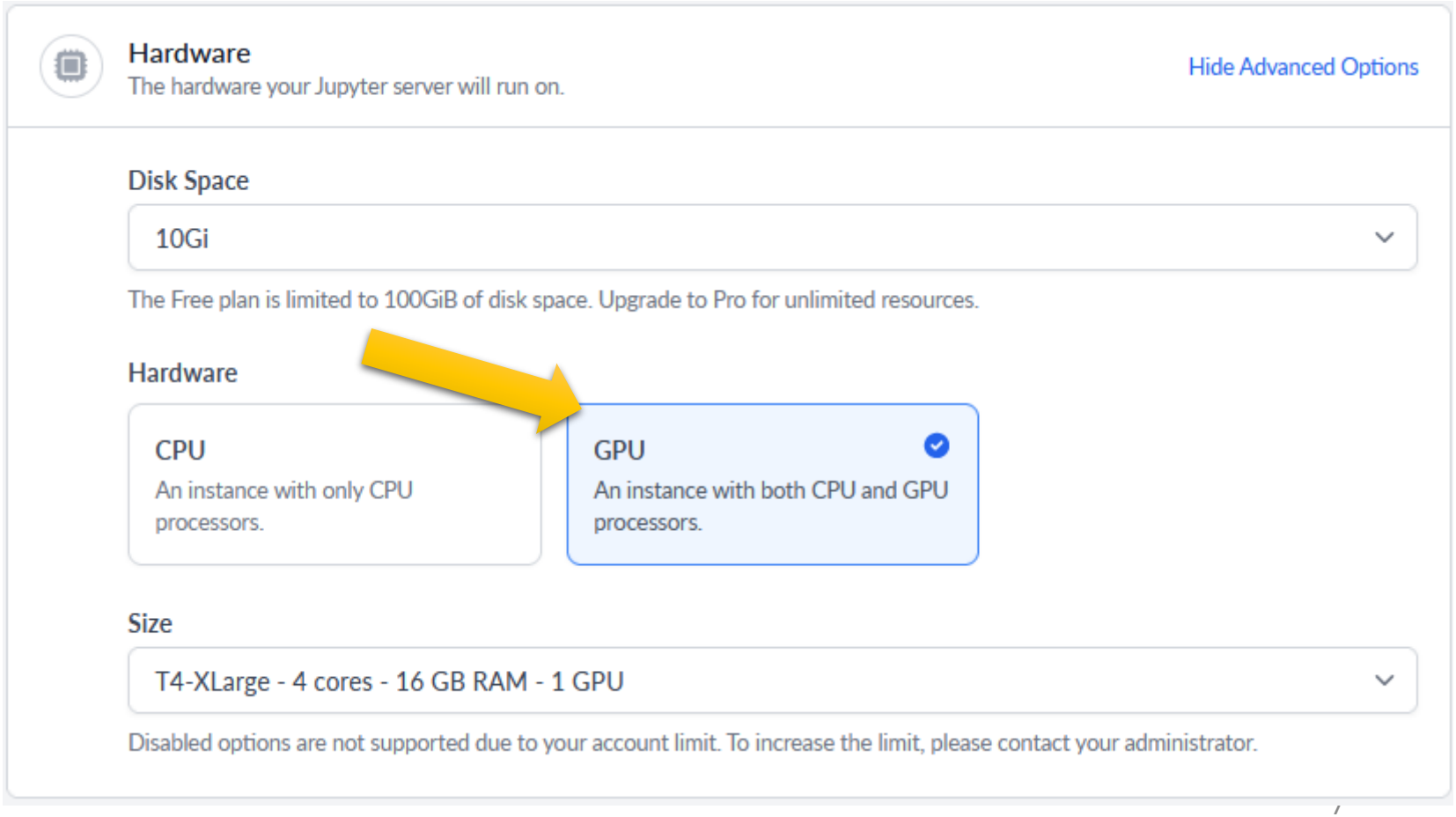


2- Server Parameters 1/4

Give a name

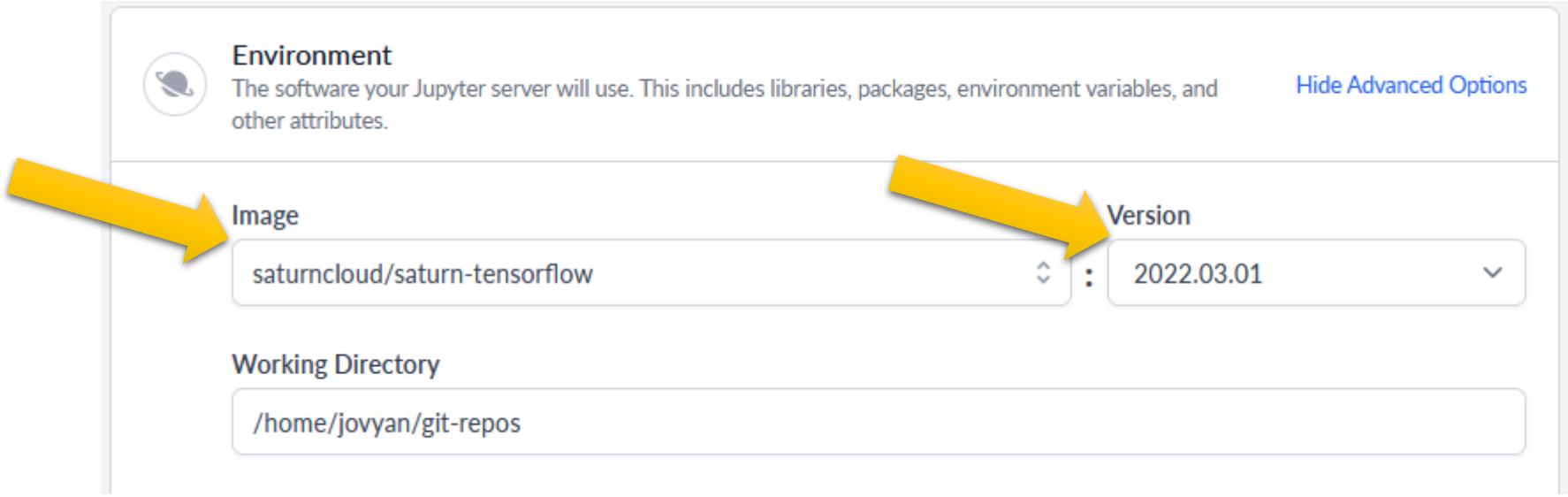
2- Server Parameters 2/4

- Select GPU ressources



2- Server Parameters 3/4

- Select the desired image : saturncloud/saturn-tensorflow
- For version, use the 2022.03.01 or, if not available, the newest



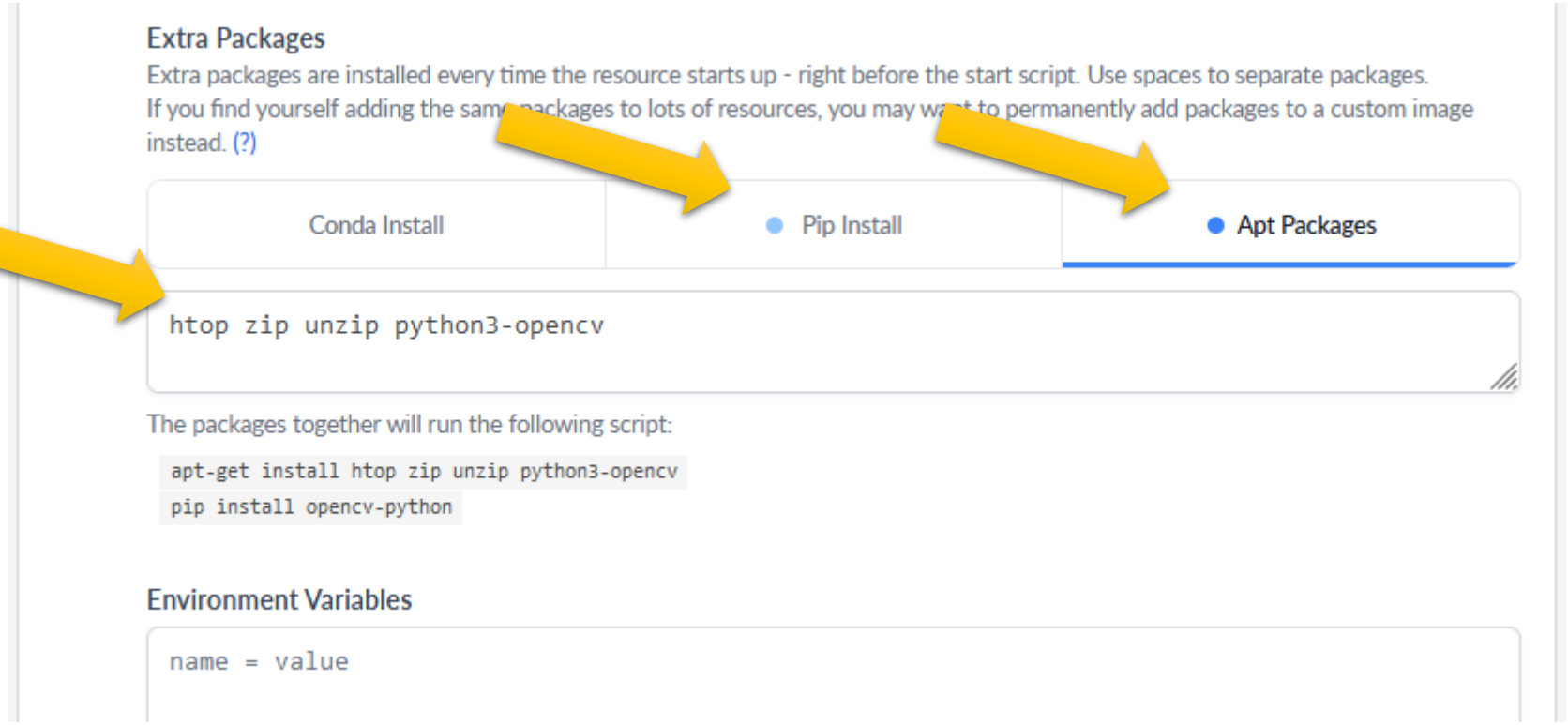
2- Server Parameters 4/4

ATTENTION

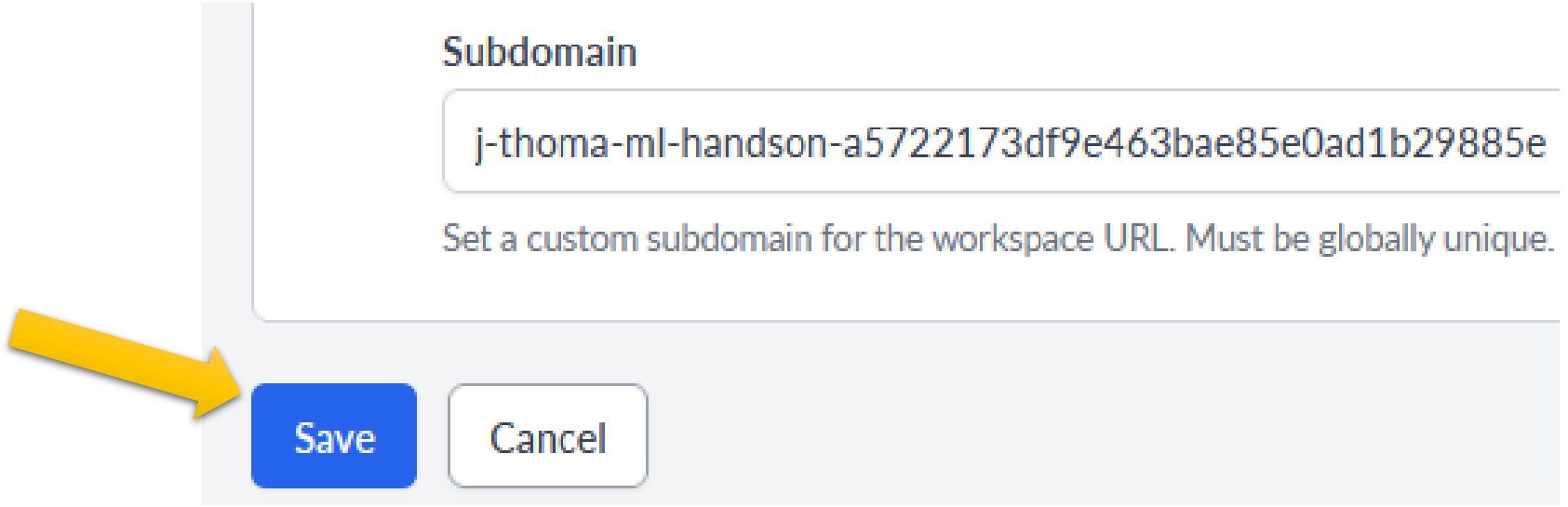
→ **Apt Packages add the following**
htop zip unzip python3-opencv

→ **Pip Install, add the following**
opencv-python

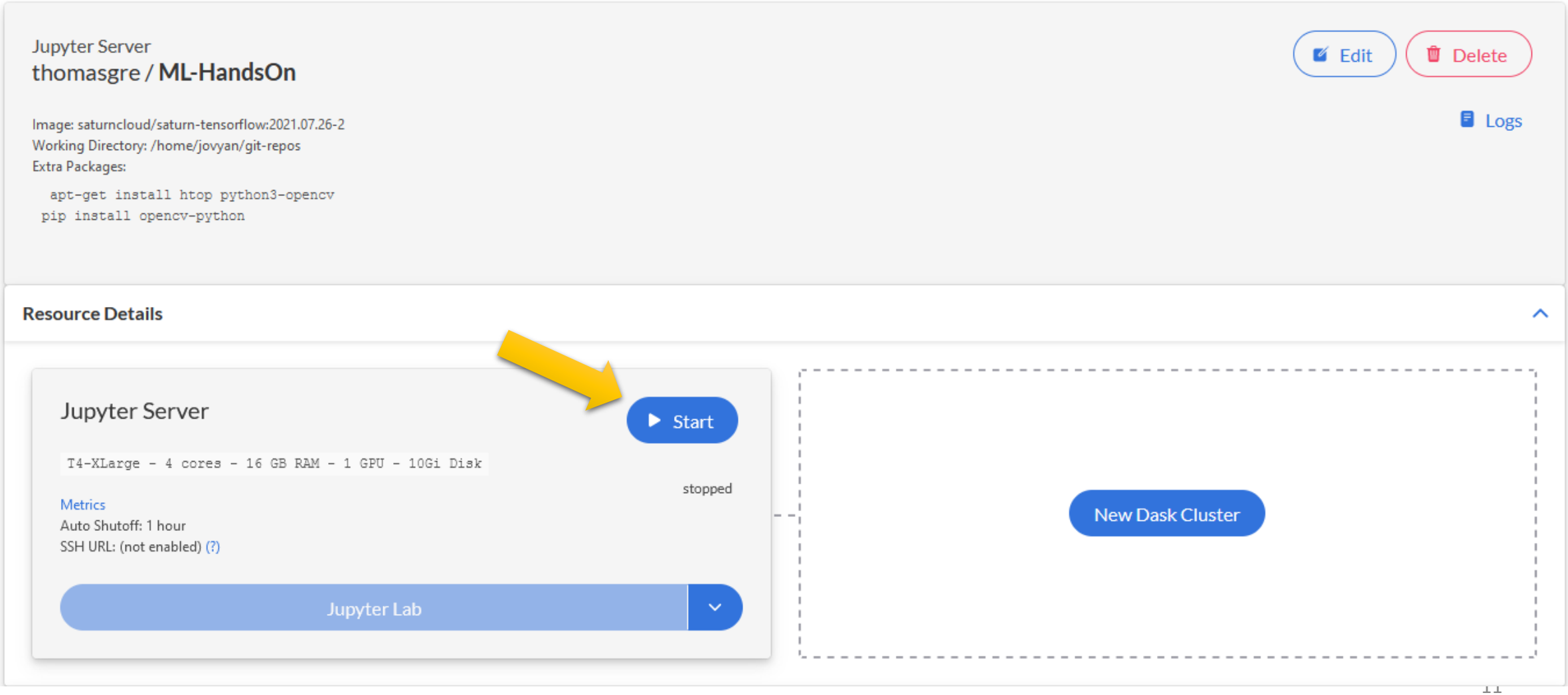
Both must be done



2- Server Parameters : save

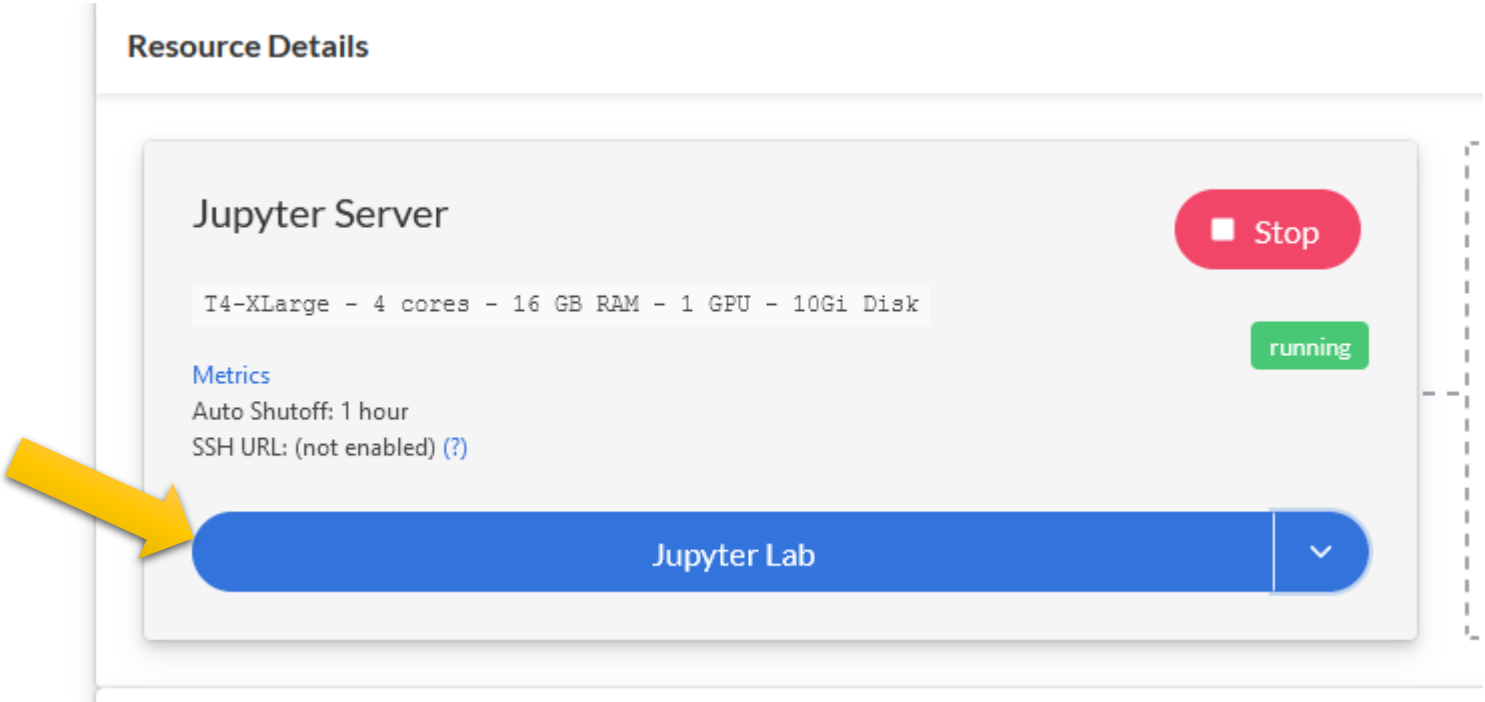


3- Start the jupyter server (few minutes)

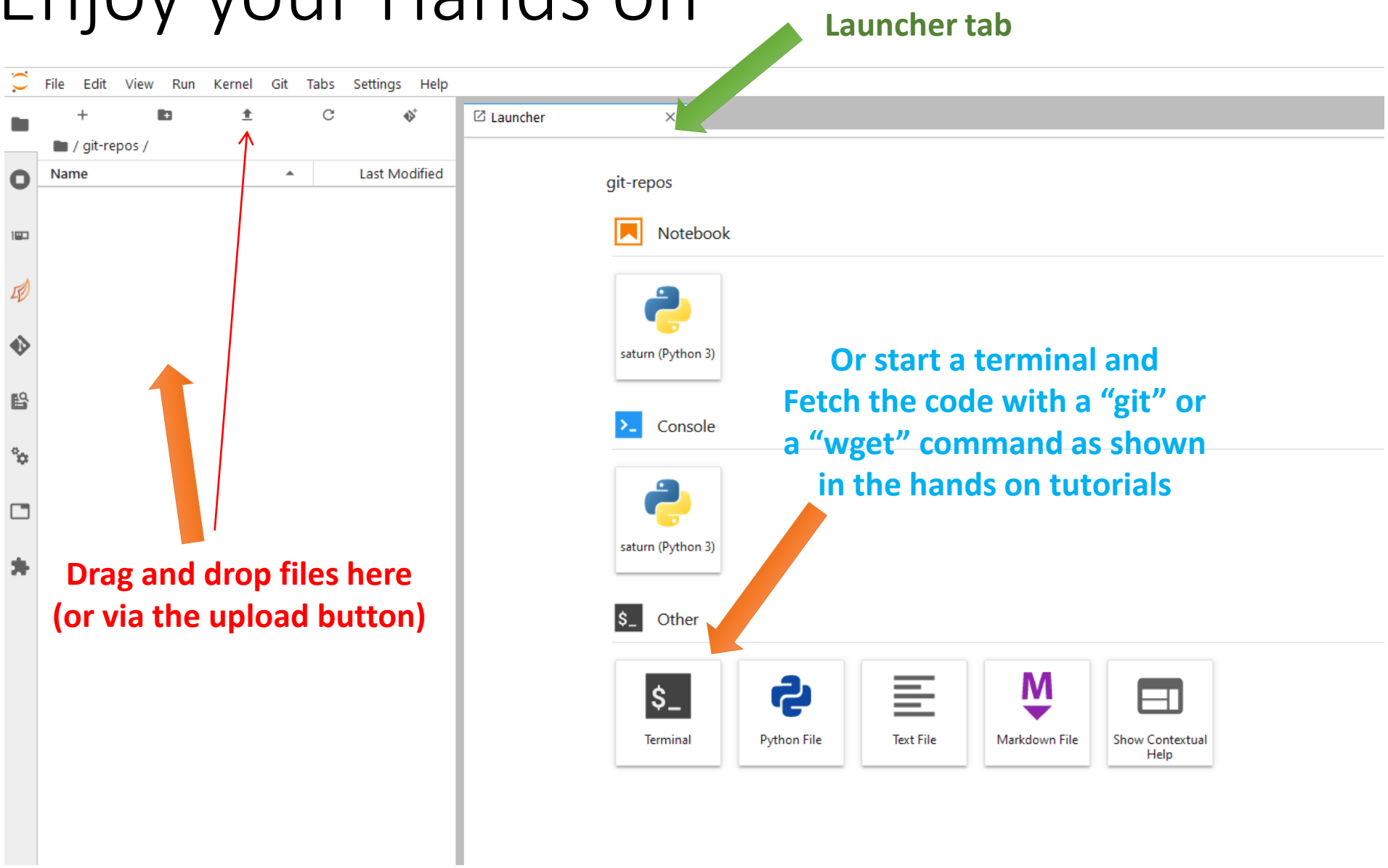


4- Launch the Jupyter lab environnement

- First, wait until the server is started ☺



5- Enjoy your Hands on



Hands-on 1 and 2, download files :

Classification:

https://gitlab.in2p3.fr/thomas.grenier/tp1ss_classification/-/raw/master/TP_Classification.zip

Segmentation:

https://gitlab.in2p3.fr/thomas.grenier/tp4ss_segmentation/-/raw/master/TP_Segmentation_v2.zip

Also available on the following website:

https://info.usherbrooke.ca/pmjodoin/dlmi2022/handson/