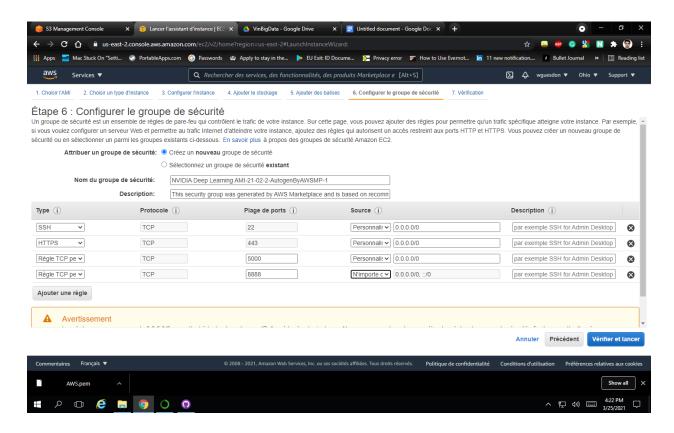
Create a p3 instance

Start the instance

AMI Nvidia Deep Learning AMI

Instance: p3.2xlarge



i-0fd1e342bb2715d2d ec2-3-141-47-131.us-east-2.compute.amazonaws.com 3.141.47.131

Check the GPU drivers

ssh -i "AWS.pem" ubuntu@ec2-3-141-47-131.us-east-2.compute.amazonaws.com

```
ubuntu@ip-172-31-12-53:~$ nvidia-smi
Thu Mar 25 16:29:25 2021
 NVIDIA-SMI 460.32.03
                          Driver Version: 460.32.03
                                                         CUDA Version: 11.2
 GPU
                   Persistence-M| Bus-Id
                                                 Disp.A
                                                           Volatile Uncorr. ECC
             Perf
 Fan
      Temp
                   Pwr:Usage/Cap|
                                           Memory-Usage
                                                           GPU-Util
                                                                     Compute M.
                                                                         MIG M.
       Tesla V100-SXM2...
                           0n
                                   00000000:00:1E.0 Off
                                                                              0
                     23W / 300W
                                        0MiB / 16160MiB
                                                                0%
 N/A
        32C
               P0
                                                                        Default
                                                                            N/A
  Processes:
  GPU
         GI
              CI
                        PID
                                                                     GPU Memory
                               Type
                                      Process name
         ID
              ID
                                                                     Usage
   No running processes
```

Configure Anaconda and Jupyter notebook

see

sudo apt-get update

https://medium.com/google-cloud/set-up-anaconda-under-google-cloud-vm-on-windowsf71fc10 64bd7

```
cd ubuntu
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86_64.sh
bash Miniconda3-latest-Linux-x86_64.sh
rm Miniconda3-latest-Linux-x86_64.sh
source .bashrc
conda
conda create -n ml python=3.7

conda activate ml

conda install scikit-learn pandas jupyter ipython
```

Start Jupyter notebook

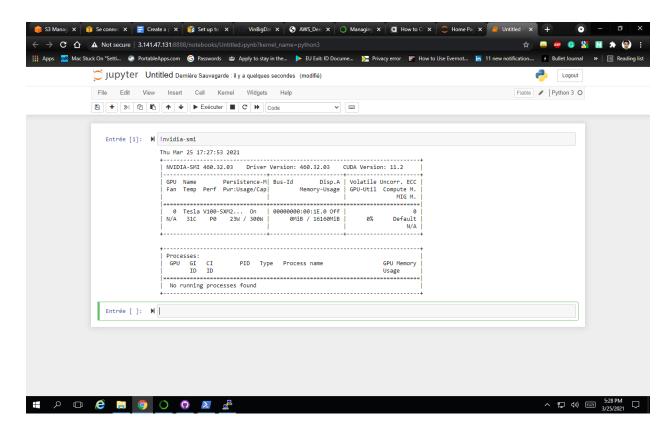
tmux new -s StreamSession

conda activate ml

jupyter notebook --ip=0.0.0.0 --no-browser

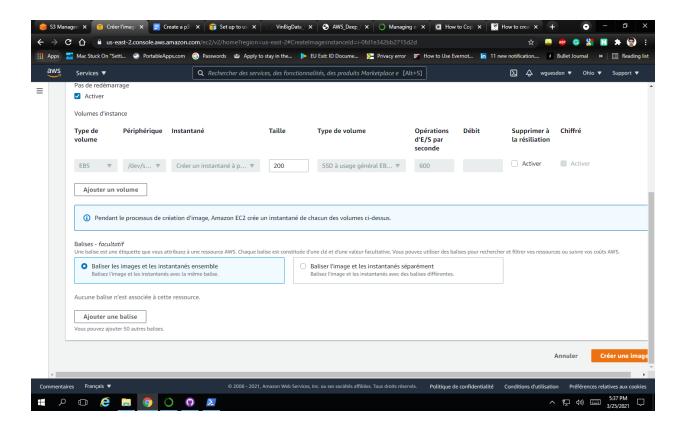
d5c29df61b8d5d0fd0fbde65d3d65b1d71ec9da91c715f48

http://3.141.47.131:8888



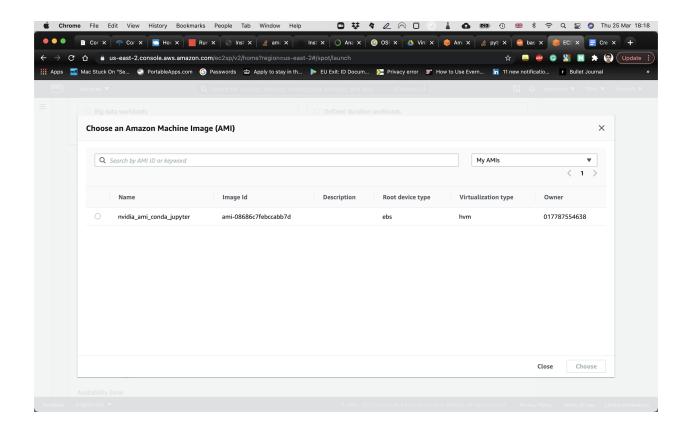
Create an image from the instance

https://linuxroutes.com/create-custom-ami-aws/



ami-08686c7febccabb7d

Start a spot instance from an AMI



References

https://chrisalbon.com/aws/basics/run_project_jupyter_on_amazon_ec2/ https://docs.nvidia.com/cuda/cuda-installation-guide-linux/index.html#abstract https://devopsmyway.com/install-anaconda-on-amazon-linuxec2/ https://stackoverflow.com/guestions/35246386/conda-command-not-found