

LEARN, PLAY, CODE, REPEAT.

AWS – Getting started with AWS SageMaker

Welcome to your AWS Educate Account

AWS Educate provides you with access to a wide variety of AWS Services for you to get your hands on and build on AWS! To get started, click on the AWS Console button to log in to your AWS console.

Please read the FAQ below to help you get started on your Starter Account.

- What are the list of services supported?
- What regions are supported with Starter Accounts or Classroom Accounts?
- I can't start any resources. What happened?
- Can I create users within my Starter or Classroom Account for others to access?

Your AWS Account Status



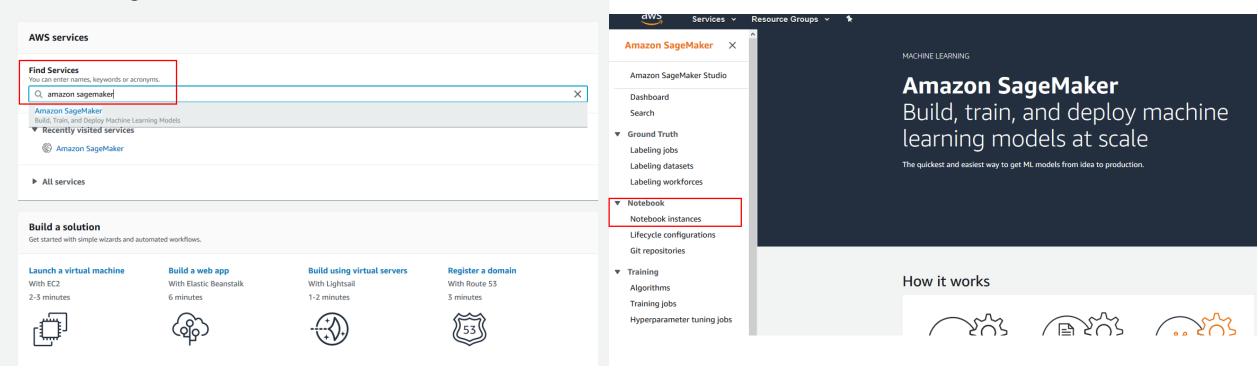
Please use AWS Educate Account responsibly. Remember to shut down your instances when not in use to make the best use of your credits. And, don't forget to logout once you are done with your work!

Log in to your AWS console. For AWS Educate, Click on "AWS Account" -> "AWS Console"

Note: There is no GPU access with Educate. Use your (non-Educate) team account for GPU

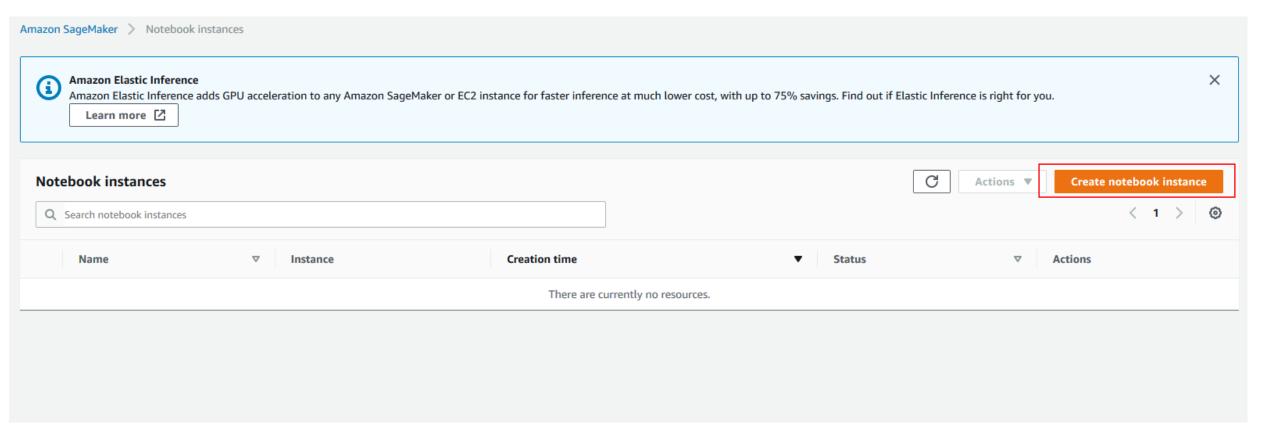
training

AWS Management Console

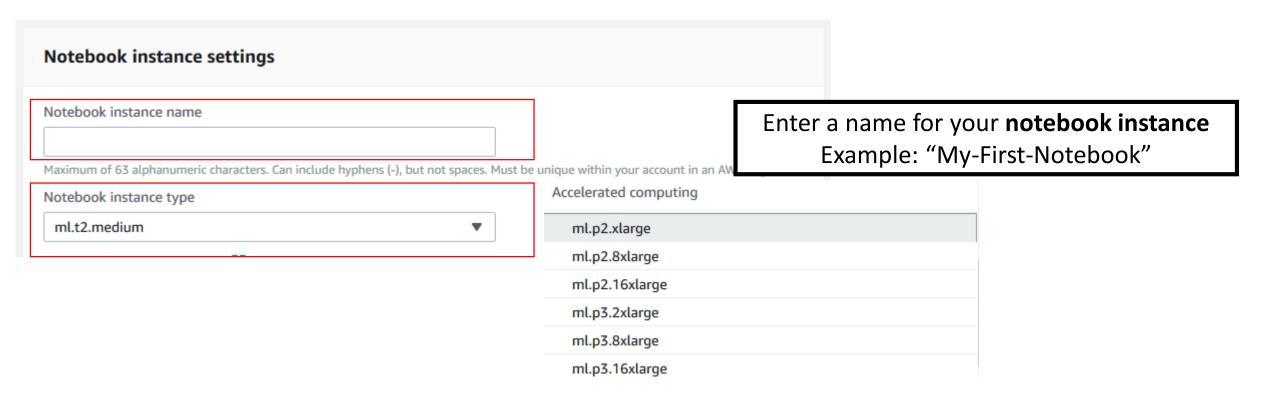


Search for "Amazon Sagemaker"

Click on "Notebook Instances"



Click on "Create notebook instance"



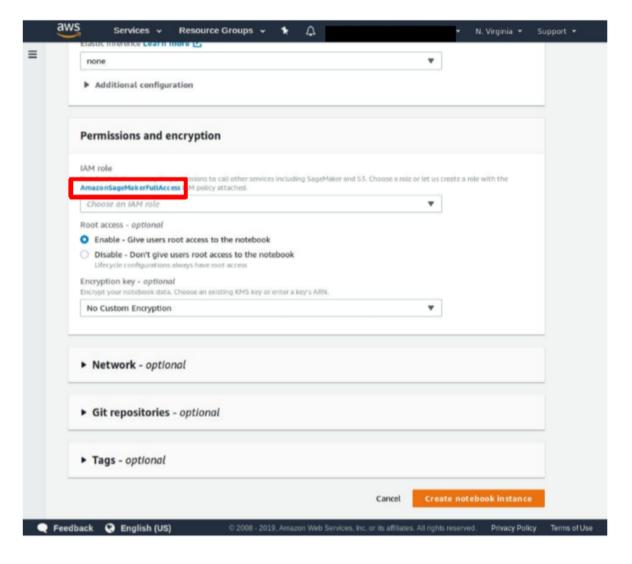
-For CPU only, Leave the **Notebook Instance type** as it is ("ml.t2.medium")

-For GPU, scroll down and select "ml.p2.xlarge". The differences in performance and cost are available here:

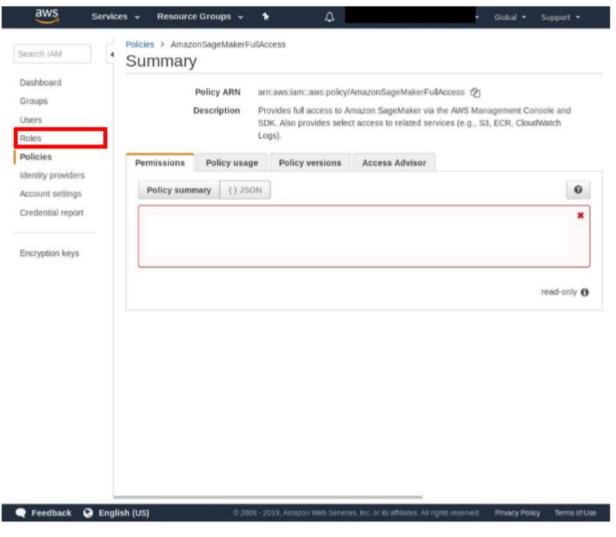
https://aws.amazon.com/sagemaker/pricing/instance-types/ https://aws.amazon.com/sagemaker/pricing/

Note: GPU instances are **more expensive**, you can create a CPU instance first and make sure things are working before creating a new notebook with GPU instance type.

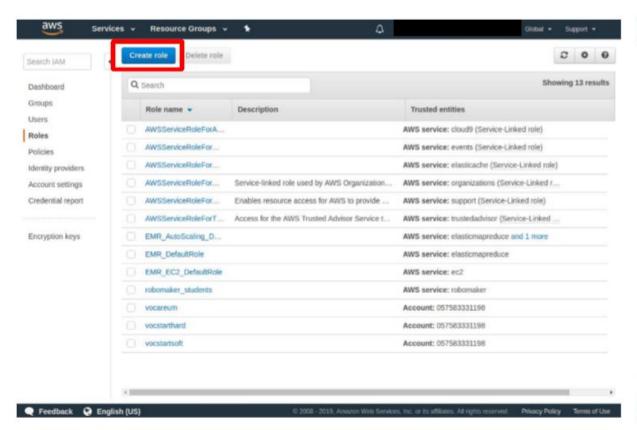
Note 2: You **cannot** access the GPU instance types with the Educate account. Use a non-Educate account and redeem the credit code for training credits.



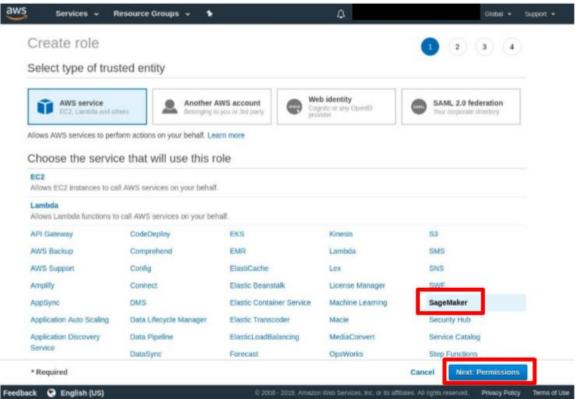
Click on AmazonSageMakerFullAccess and a new tab will open



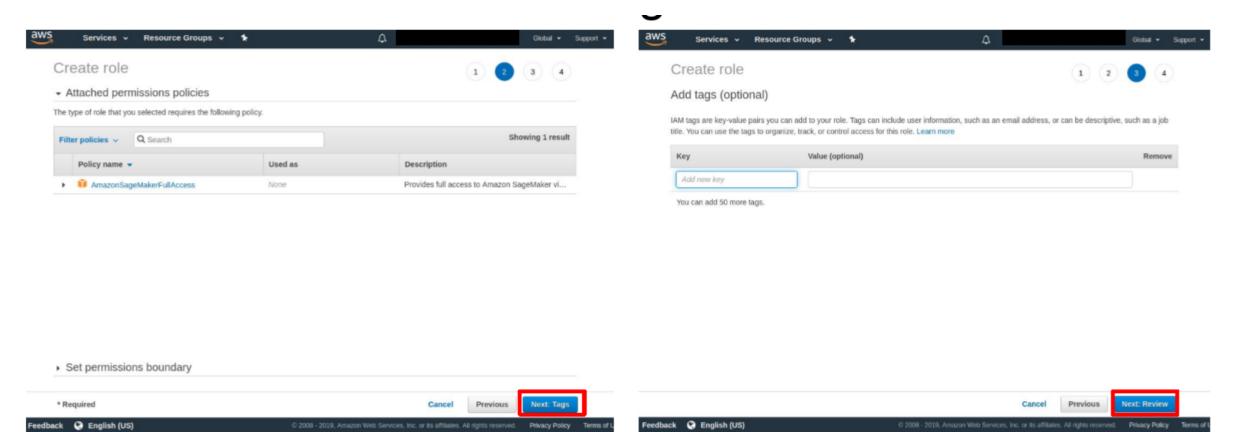
In the new tab (IAM page), click on Roles



Under Roles, click on Create role

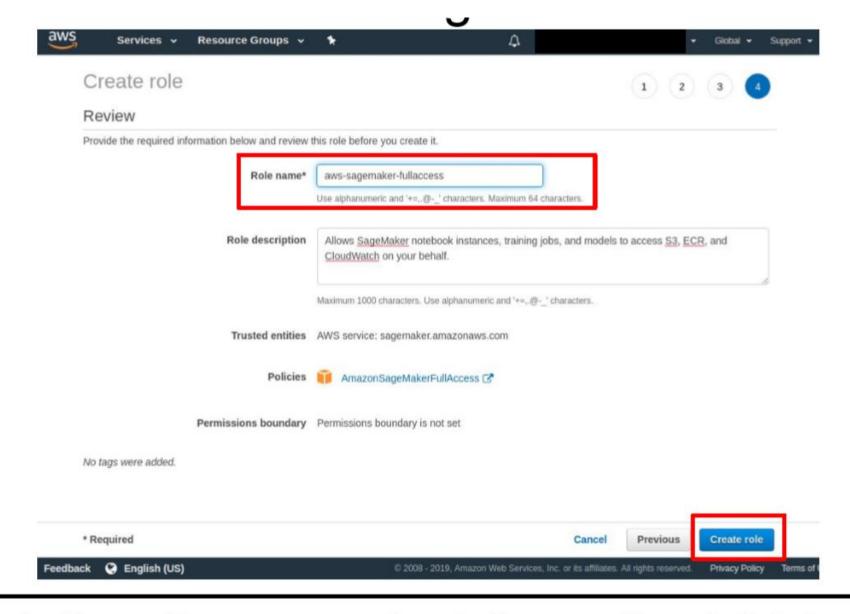


Select SageMaker and click Next: Permissions to proceed

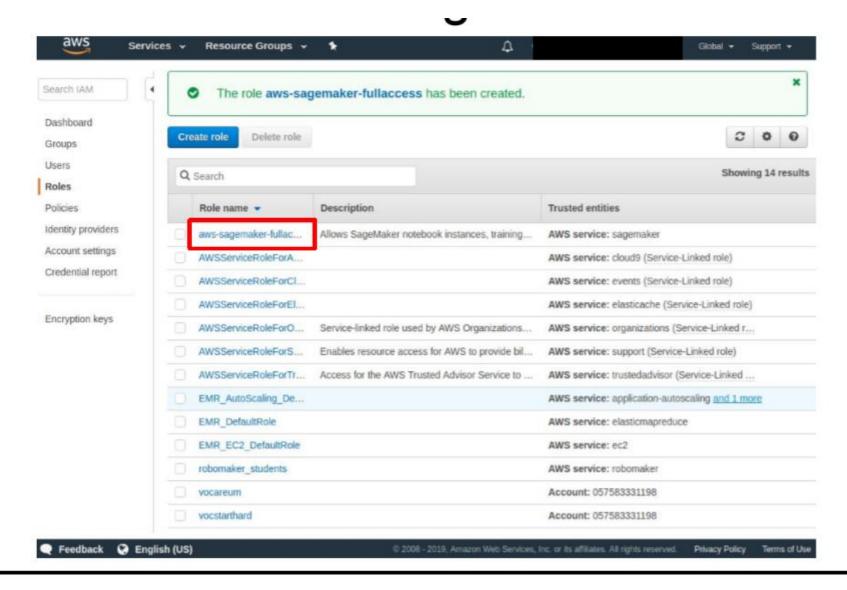


Click **Next: Tags** to continue

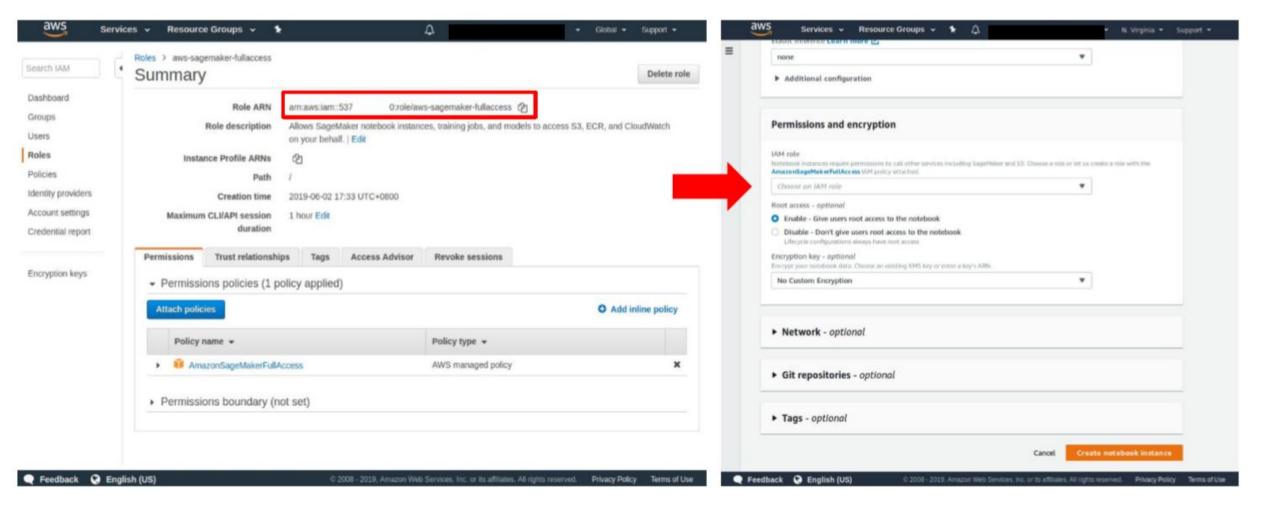
Click Next: Review to continue



Enter a Role Name ("aws-sagemaker-fullaccess") and click Create role



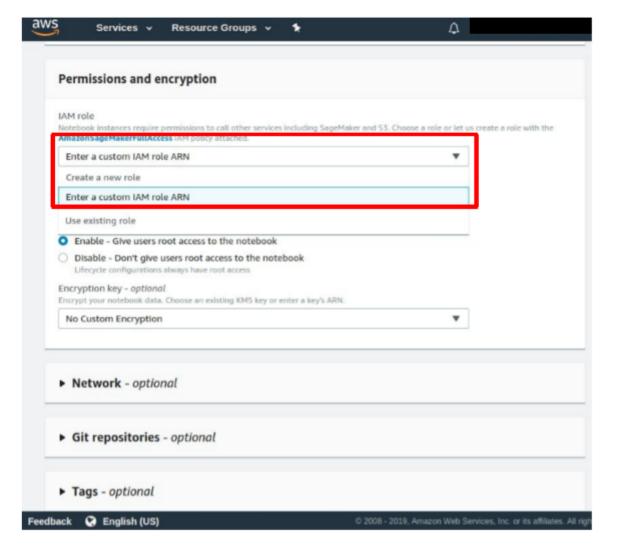
Click on the role name "aws-sagemaker-fullaccess" you have just created



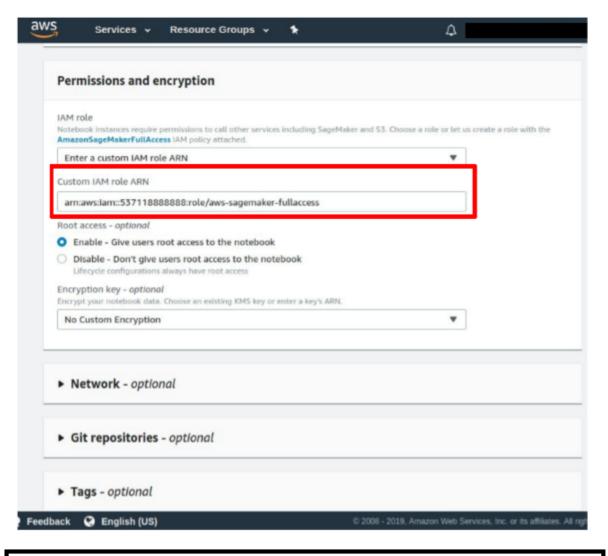
Copy the Role ARN

For example: arn:aws:iam::537118888888:role/aws-sagemaker-fullaccess

Go back to the "Notebook Instance" browser tab

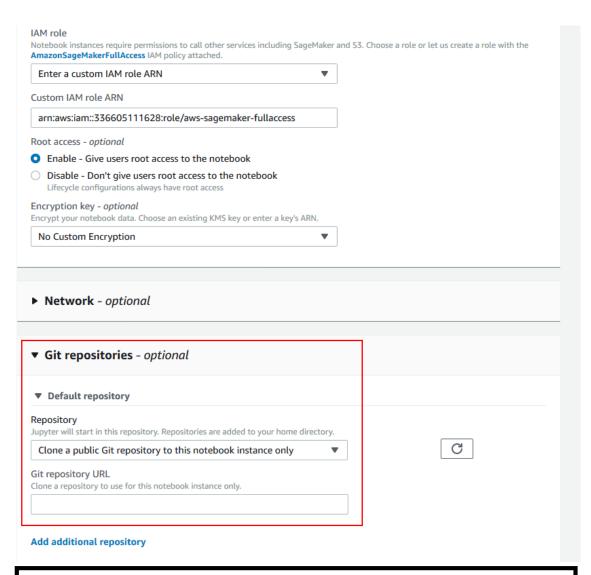


Under the IAM Role, click on the dropdown selection and select "Enter a custom IAM Role ARN"

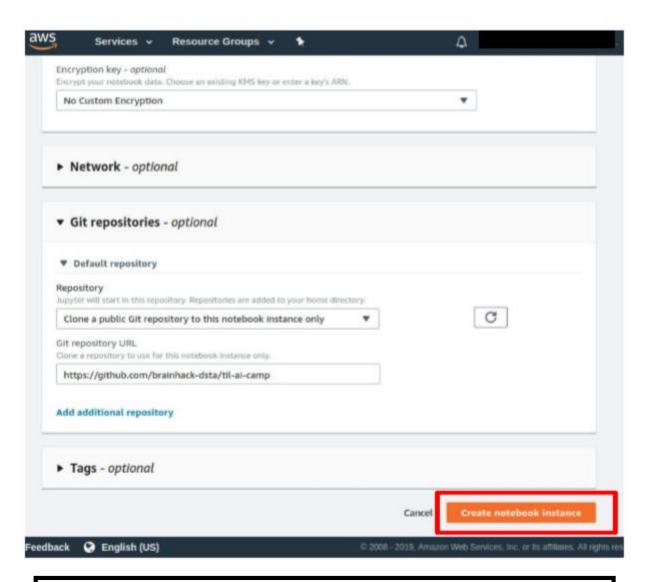


Paste in the copied ARN under the Custom IAM role ARN field. For example:

arn:aws:iam::537118888888:role/aws-sagemaker-fullaccess

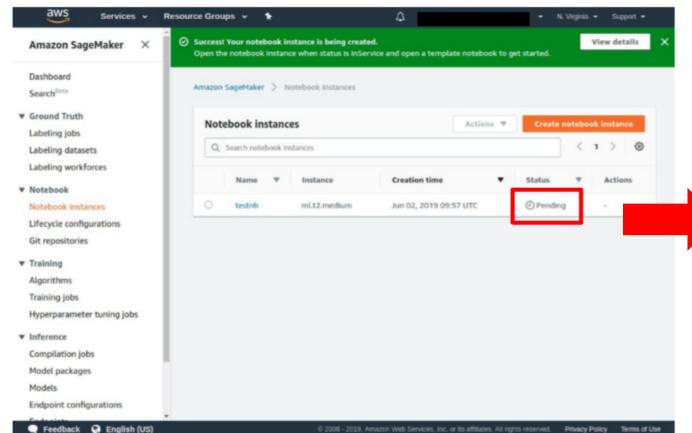


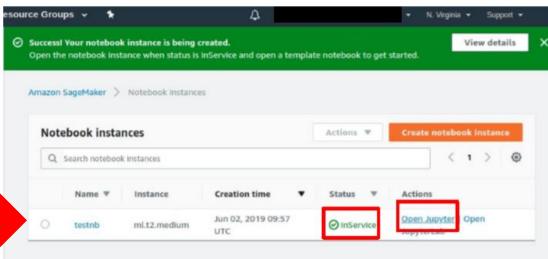
Optional: If you want to clone a github repo to use in this notebook, Scroll down to "Git repositories" and select "Clone a public Git repository to this notebook instance only"



Click on **Create notebook instance** to continue

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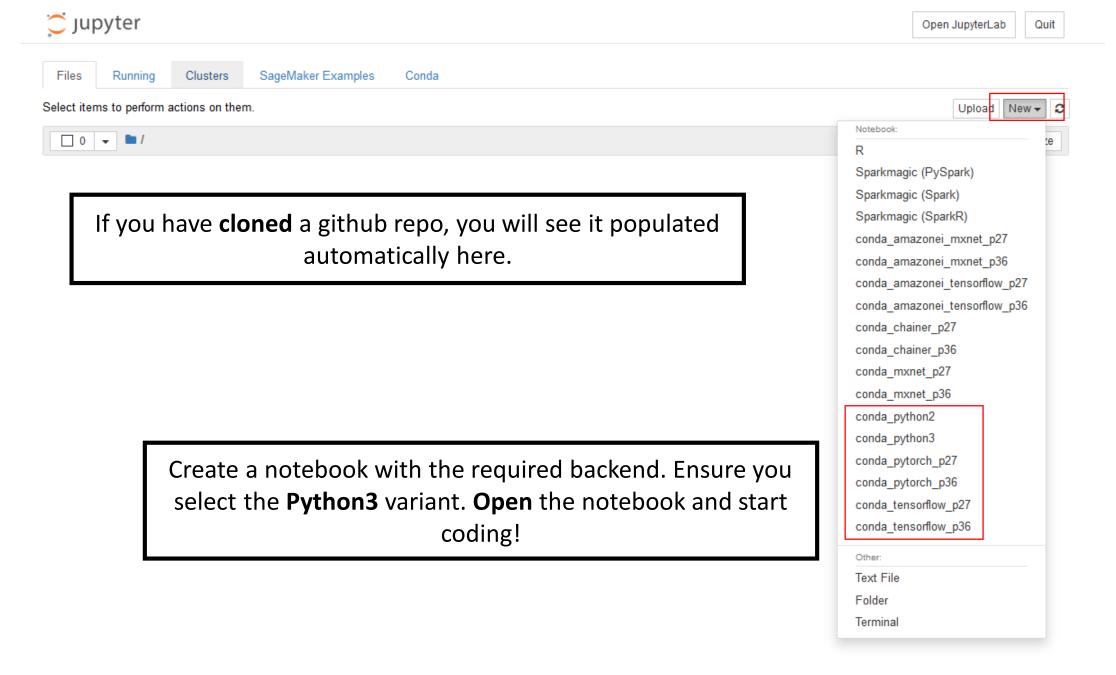




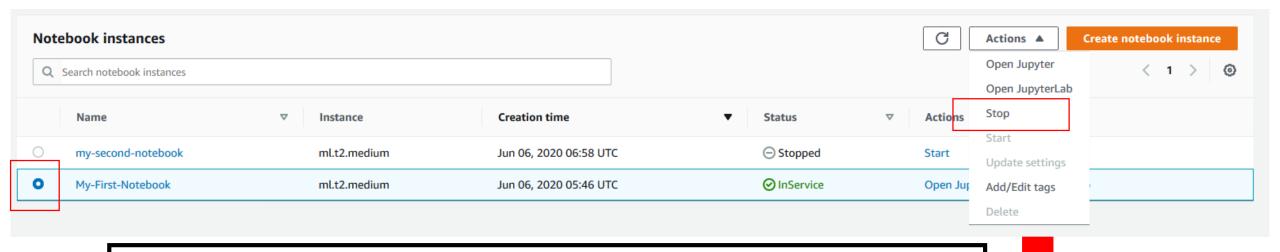
Upon successful creation, you will be redirected to the Notebook Instance page. The notebook status is now "Pending".

Wait for the status to change to "InService". It may take a few minutes.

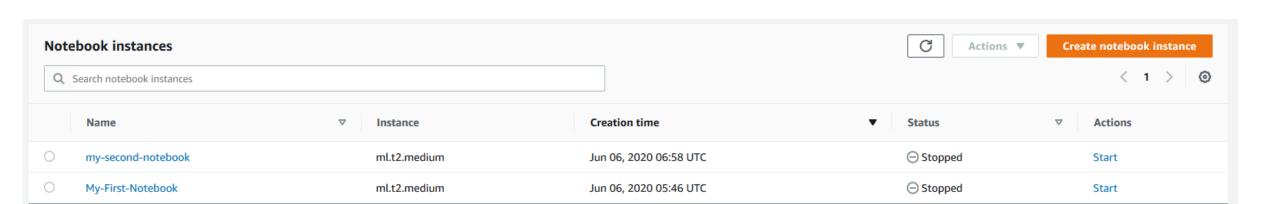
Once the status is updated, click **Open Jupyter** to access your notebook instance



Shutting down instances



Select the **Notebook instance** that you want to stop. Under **Actions**, click **Stop**



Wait for the status to change from "Stopping" to "Stopped". This may take a few minutes



vocstartsoft/user805316=wei...

Federated Login:

vocstartsoft/user805316=weichenglau1991@gmail.com

Account:

3366-0511-1628

My Account

My Organization

My Service Quotas

My Billing Dashboard

Orders and Invoices

Switch Role

Sign Out

You may click on **My Billing Dashboard** to check your spending and the credits you have left. Finally, **Sign Out** from your account.