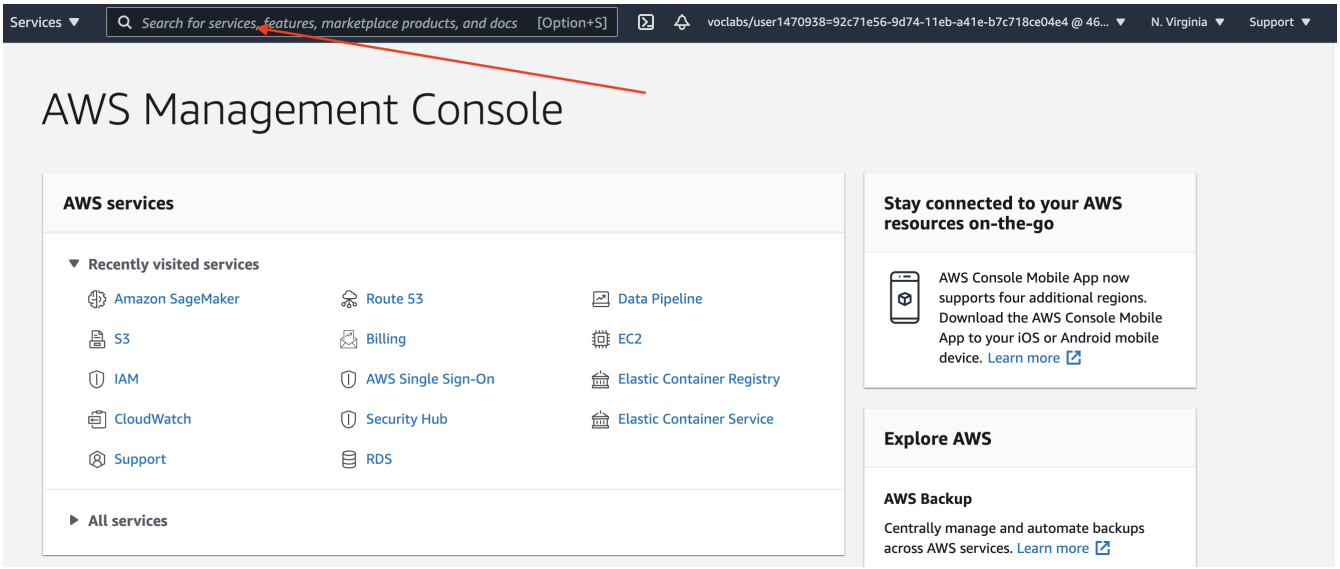
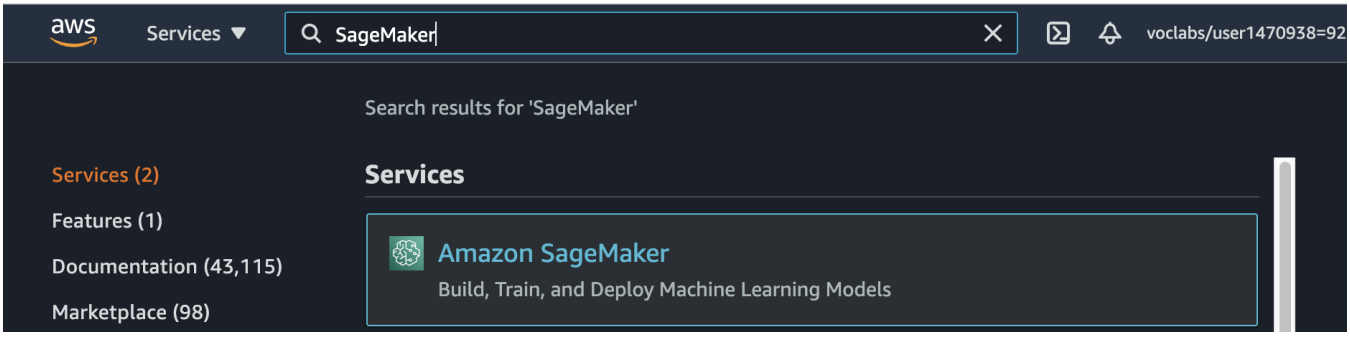
We will be opening the AWS Console through Udacity's `Launch AWS Gateway` button. It should be located on the lefthand side tool bar.

Launch AWS Gateway

Once you open the AWS Console, there is some setup that is required to get Sagemaker Studio up and running. You will be navigating to the Sagemaker studio page and creating your studio IDE. To do that, open up the search bar on the top of the AWS console and search for `sagemaker`.

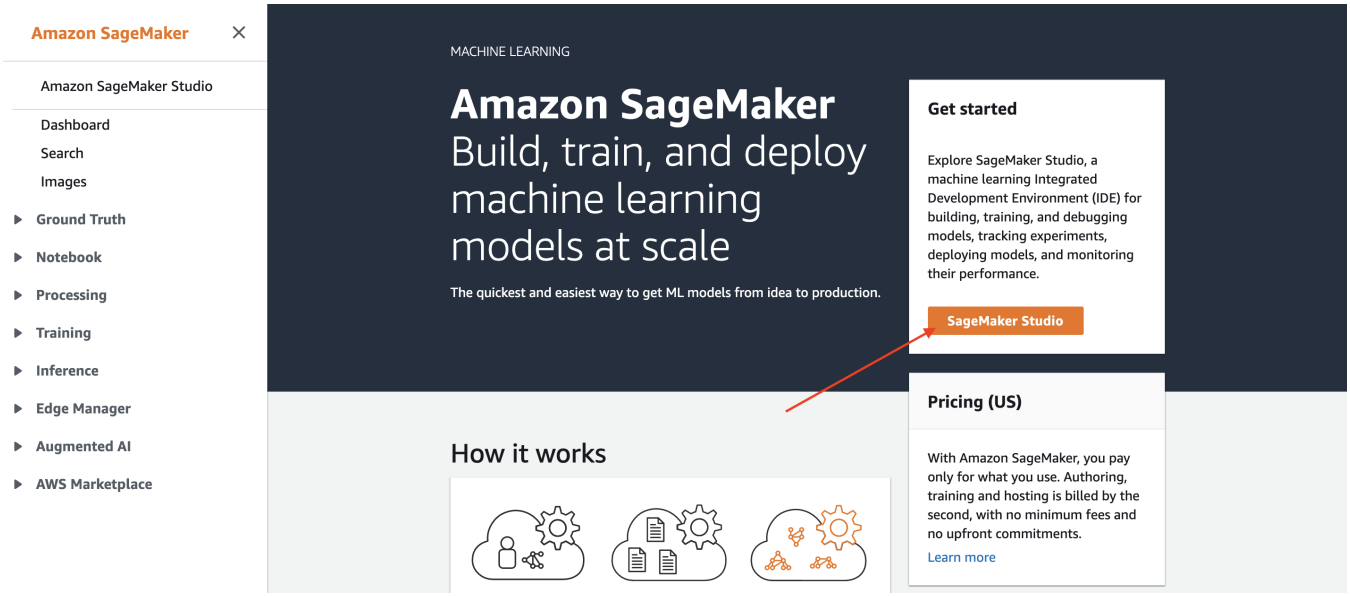


AWS Console



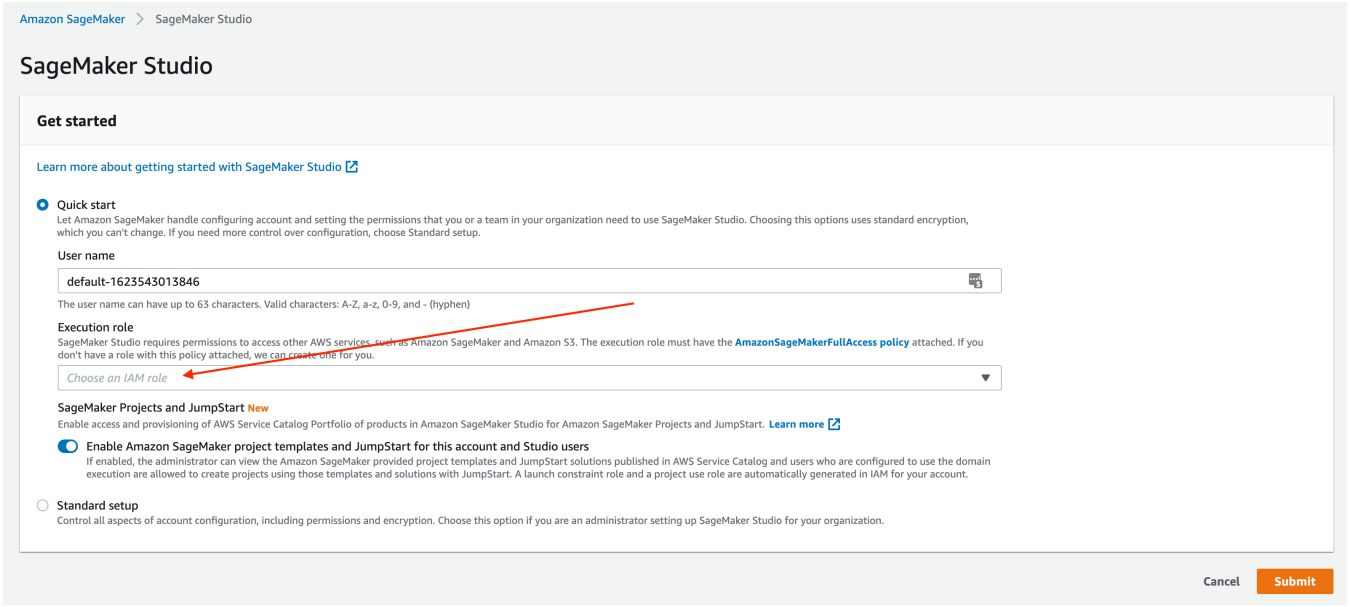
Sagemaker Search

Navigating to the main Sagemaker page will allow you to then navigate to the Sagemaker Studio page.



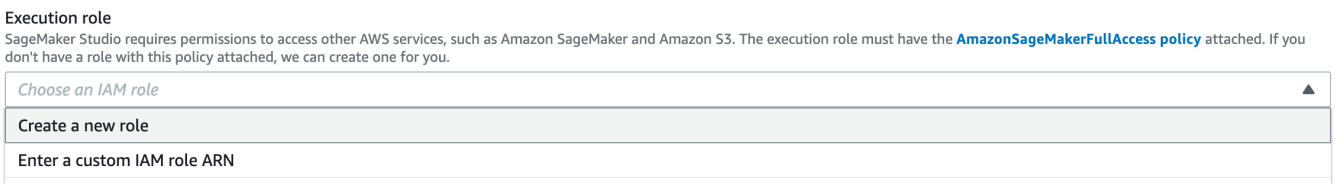
Sagemaker Page

You'll be prompted to create a Sagemaker Studio instance. In order to do that, follow the `Quick start` settings. It will require you to create an `Execution role` if you do not have one already.



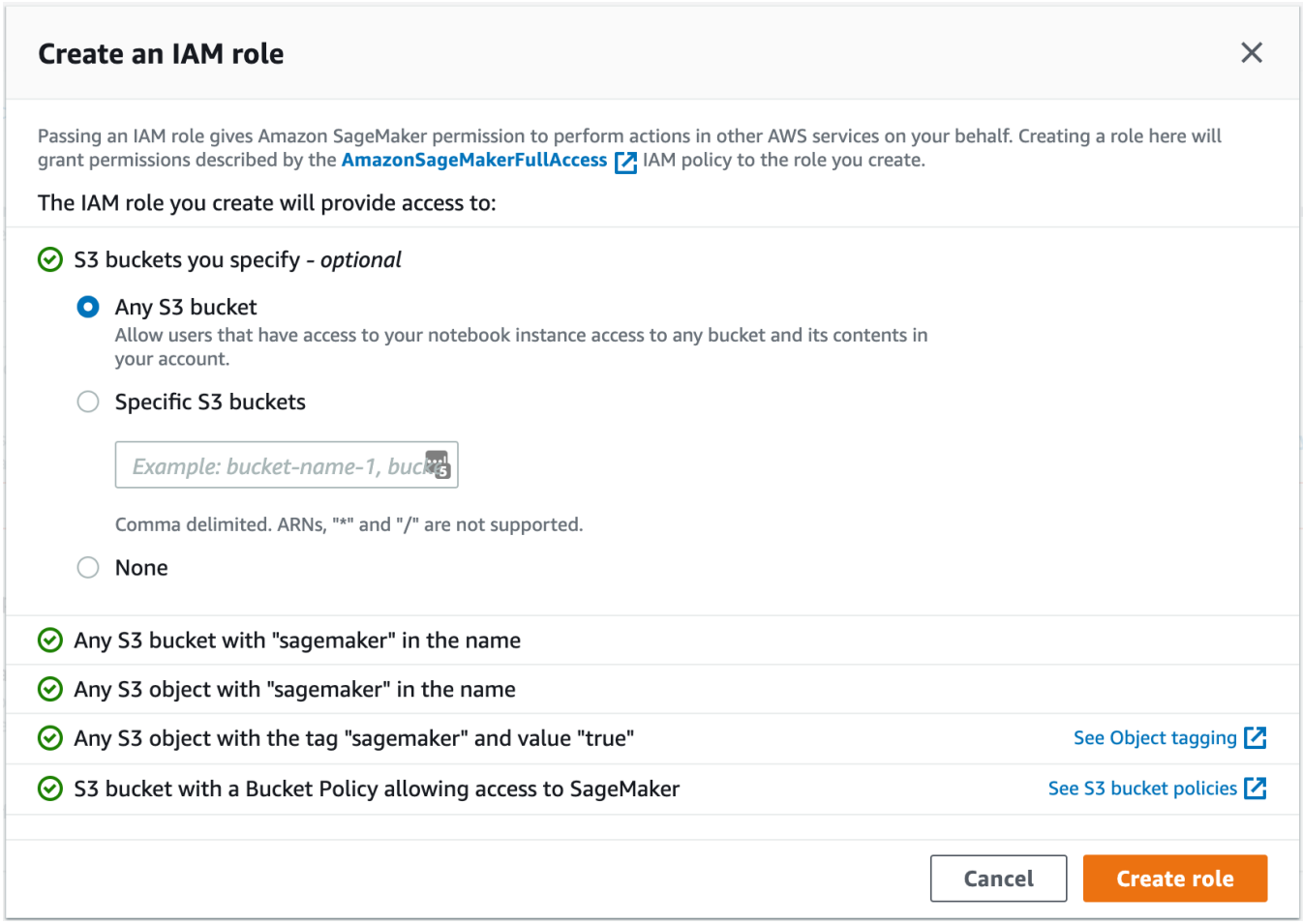
SageMaker Studio

Select the `Create a new role` from the drop down.



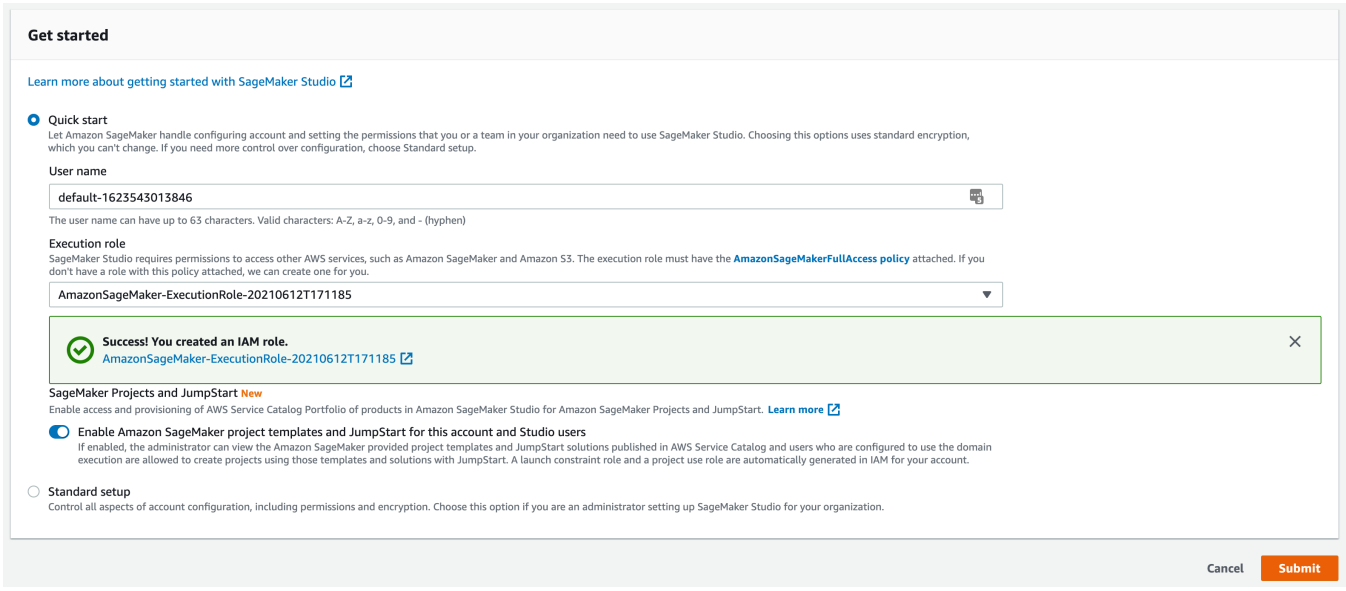
Create new sagemaker role

When creating the IAM role, you can leave the defaults as they are, just click on `Create role`.



Default S3 Access

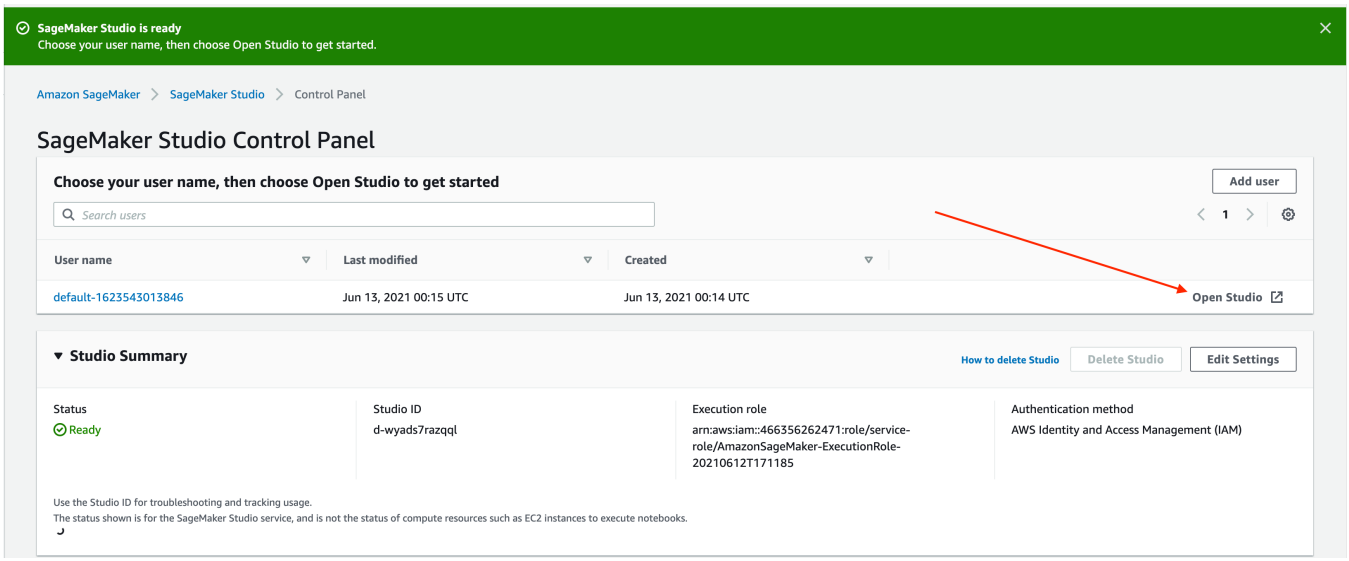
When it is successfully created, make sure it is selected in the `Execution role` drop down selection. You can then click the `Submit` button to start creating your Sagemaker Studio.



Sagemaker Studio Get Started

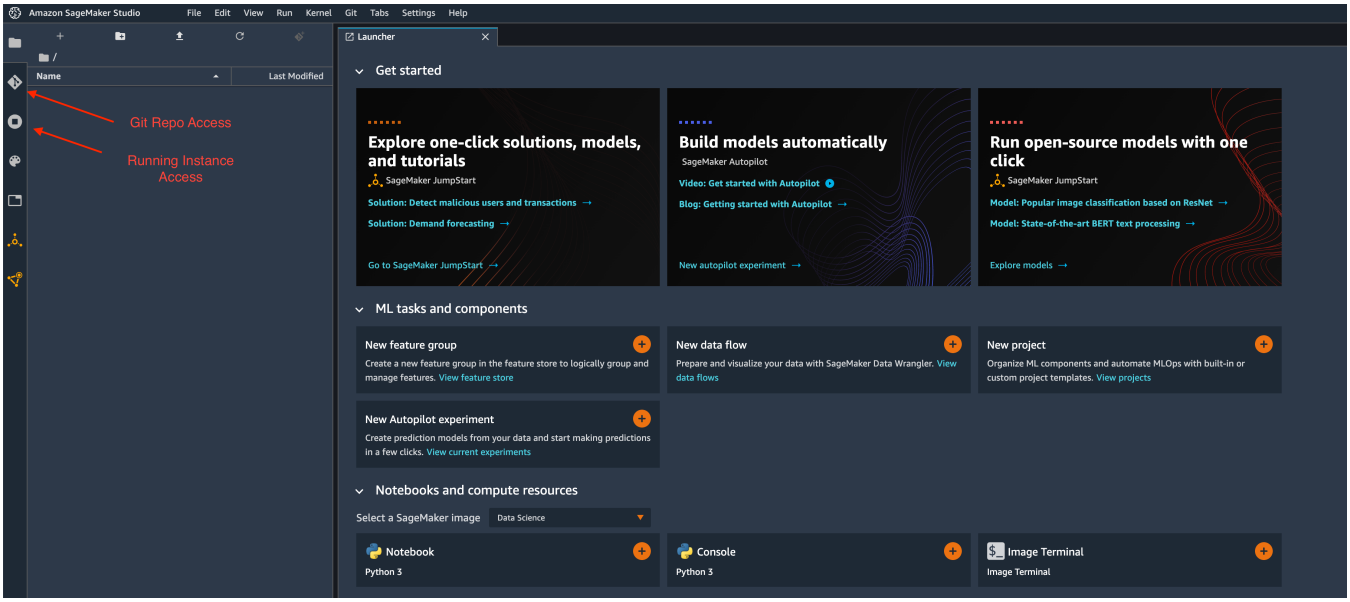
It will take some time for Sagemaker to provision your studio instance. When it's complete, you will see a new user in the Sagemaker Studio Control Panel.

To open up your Sagemaker Studio, click on the `Open Studio` button available to your Sagemaker User.



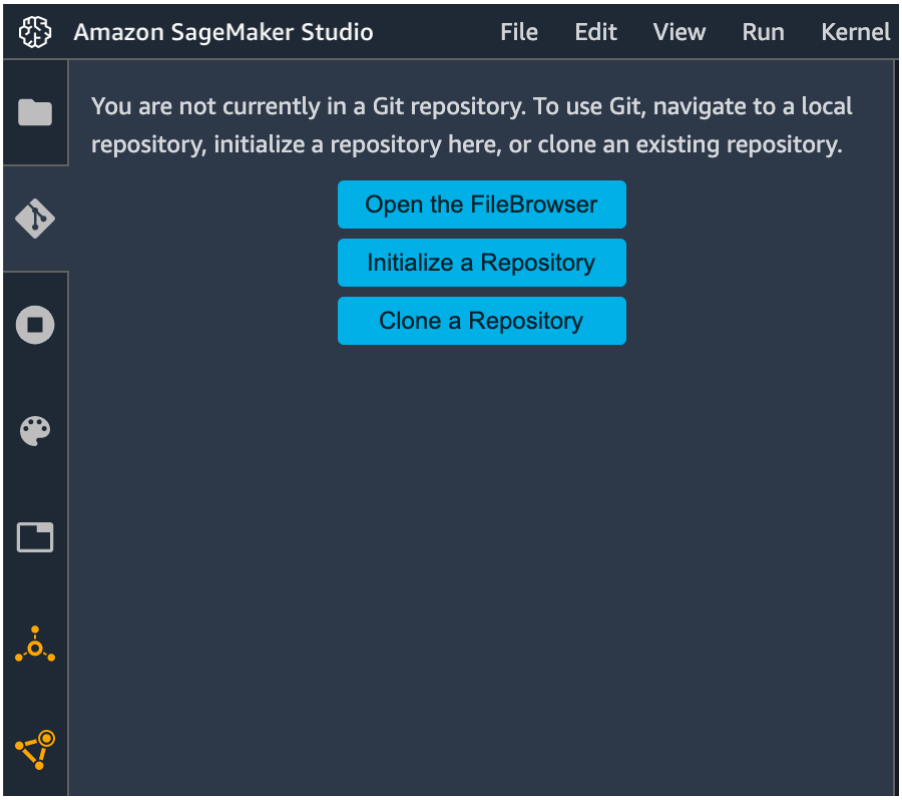
Sagemaker Studio Ready

Sagemaker will open a new window where your Sagemaker Studio instance will be started. There you have several options, but on the left had side there is a tool bar. Most importantly, you'll find a Git repository button to clone the course repository into Sagemaker Studio, as well as a running instance button, which controls which instances are running in Sagemaker Studio.



Sagemaker Studio IDE

To clone your git repository, click the git button on the left side, and select `Clone a Repository` in the available options.

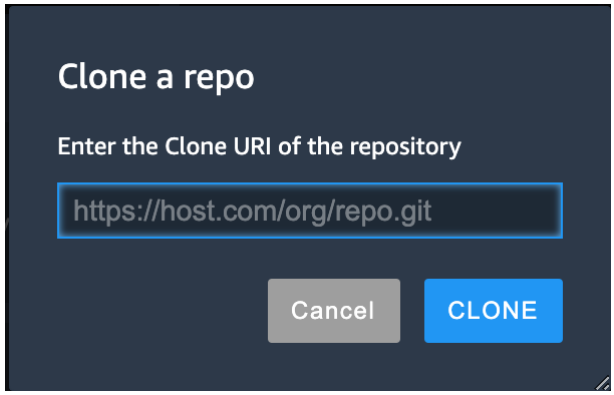


Clone Git Repo

Paste the Github link of the repository. Use this link to clone the repository:

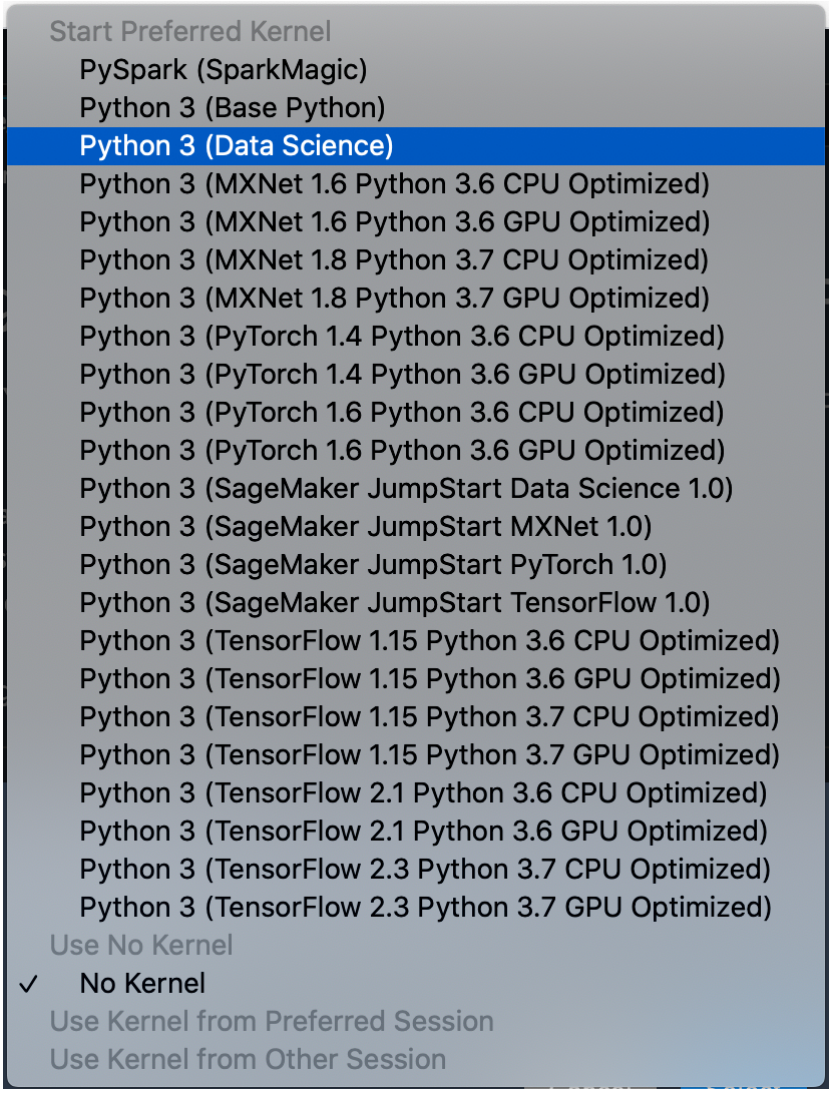
nd009t-c1-intro-to-ml-templates

or in the raw form: `https://github.com/udacity/nd009t-c1-intro-to-ml-templates`



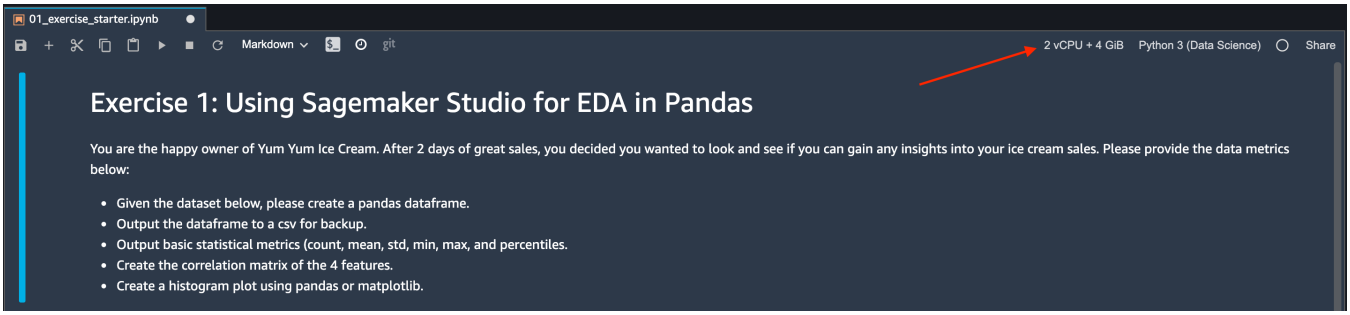
Enter Clone Repo

To run an instance you'll need to select a Kernel. Select `Python 3 (Data Science)`.



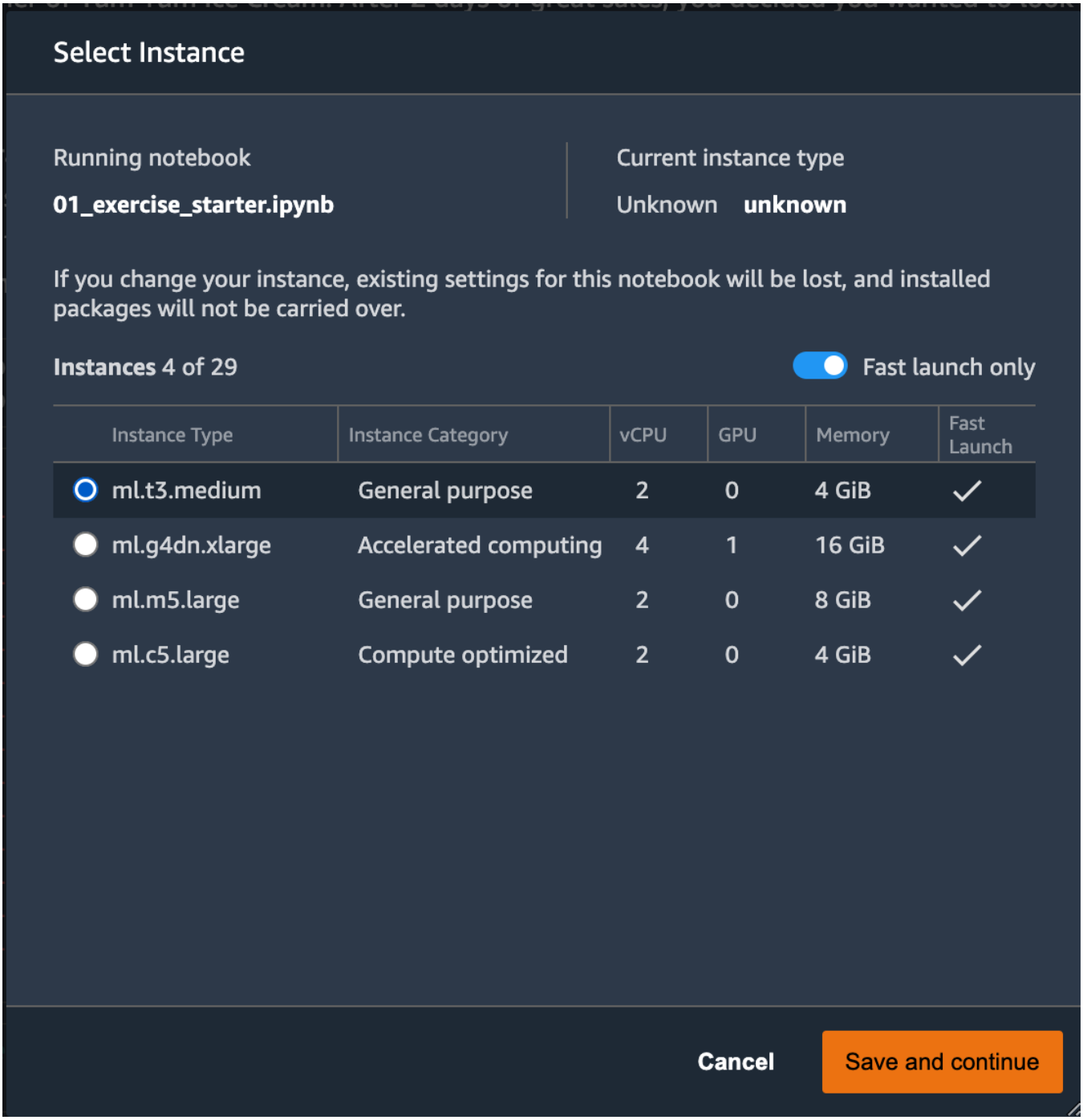
Select Kernel

Selecting a kernel will provision an compute instance to run your notebook on.



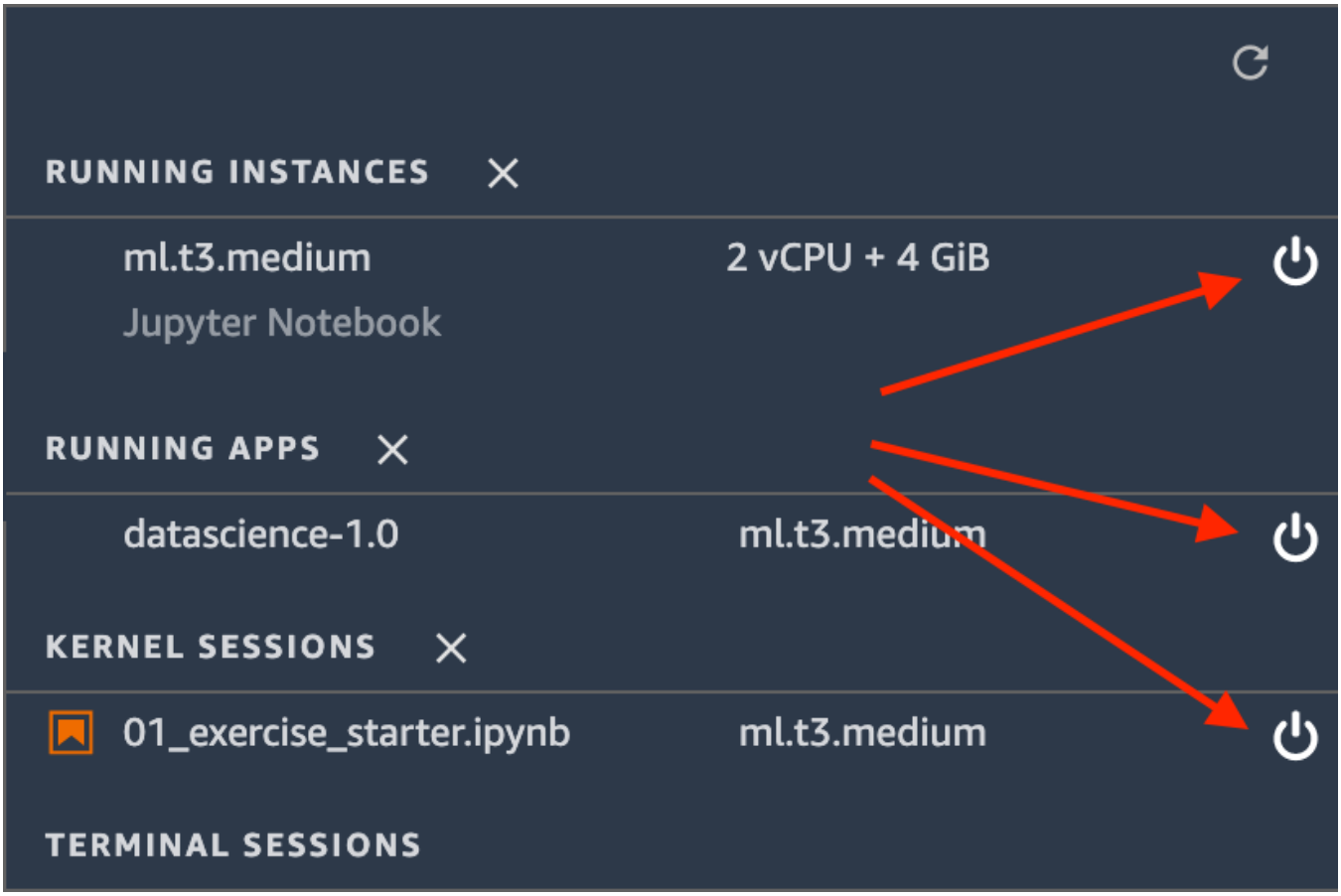
Current Instance being Run

You can always adjust which instance you want to run. By default use the `ml.t3.medium` for the entire course.



Select Studio Instance Type If Needed

Before leaving your Sagemaker Studio workspace, always be sure to shut down all running instances and kernels. You access the running instances on the left hand side tool bar.



Turn off instances