Introduction to AWS, Part 2

AWS Sagemaker

Sagemaker is a managed machine learning service allowing for building, training, and deploying machine learning models on the AWS cloud.

As a bonus, building, training, and deploying models on Sagemaker can be done through Jupyter notebooks!

Sagemaker offers several of the most popular types of ML models and frameworks (sklearn, tensorflow), or you can write your own.

AWS Sagemaker

Why use Sagemaker?

- Can work in Jupyter
- Don’t have to worry about installing the anaconda packages - they are all preinstalled
- Sagemaker handles the spinning up and shutting down of the EC2 instances for the processing and training
- Easy deployment of models

AWS Sagemaker

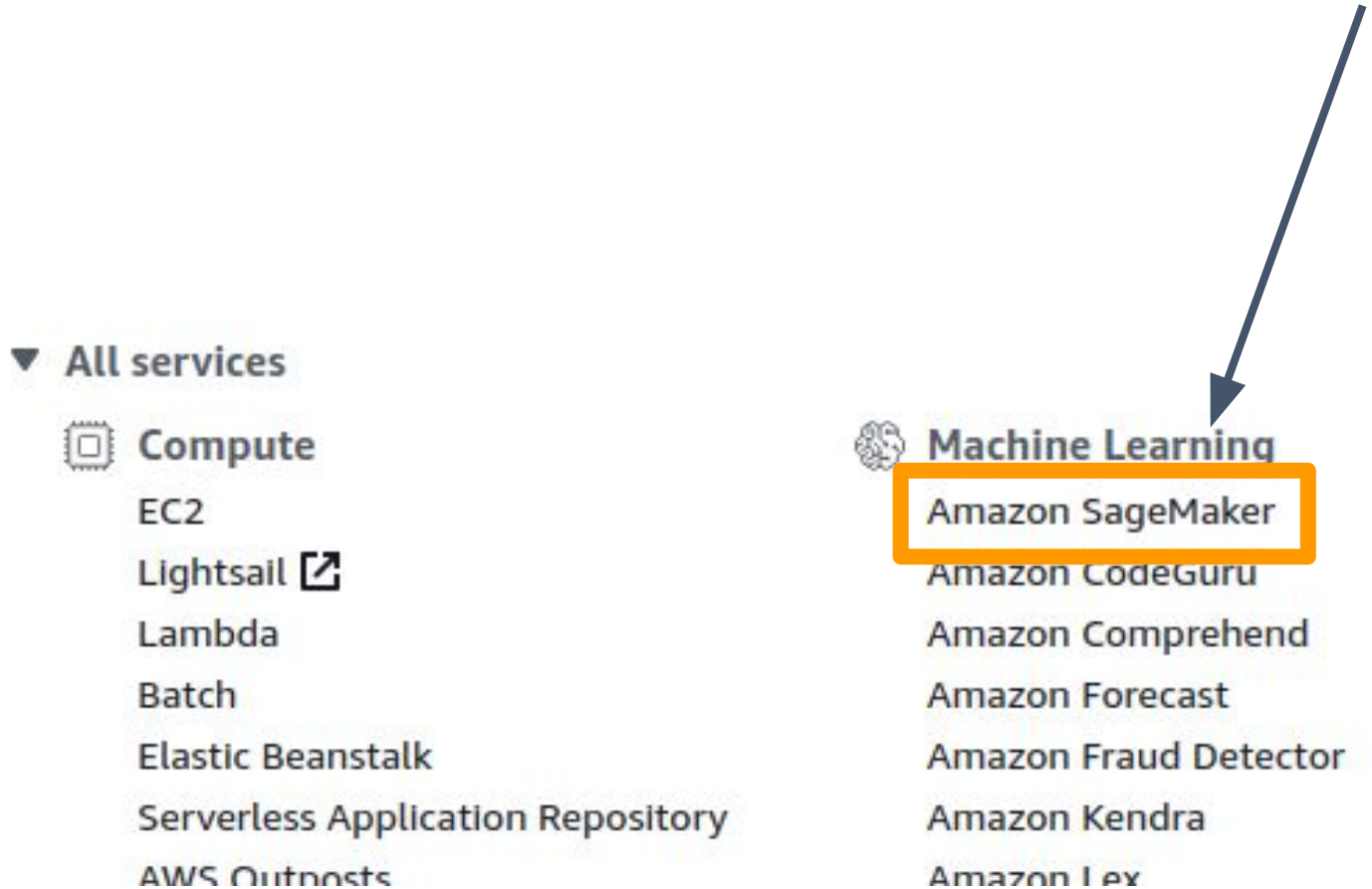
The first step is to sign in to the AWS Management Console: https://aws.amazon.com/console/

When signing in, use Account ID *nashsoftwareschool*

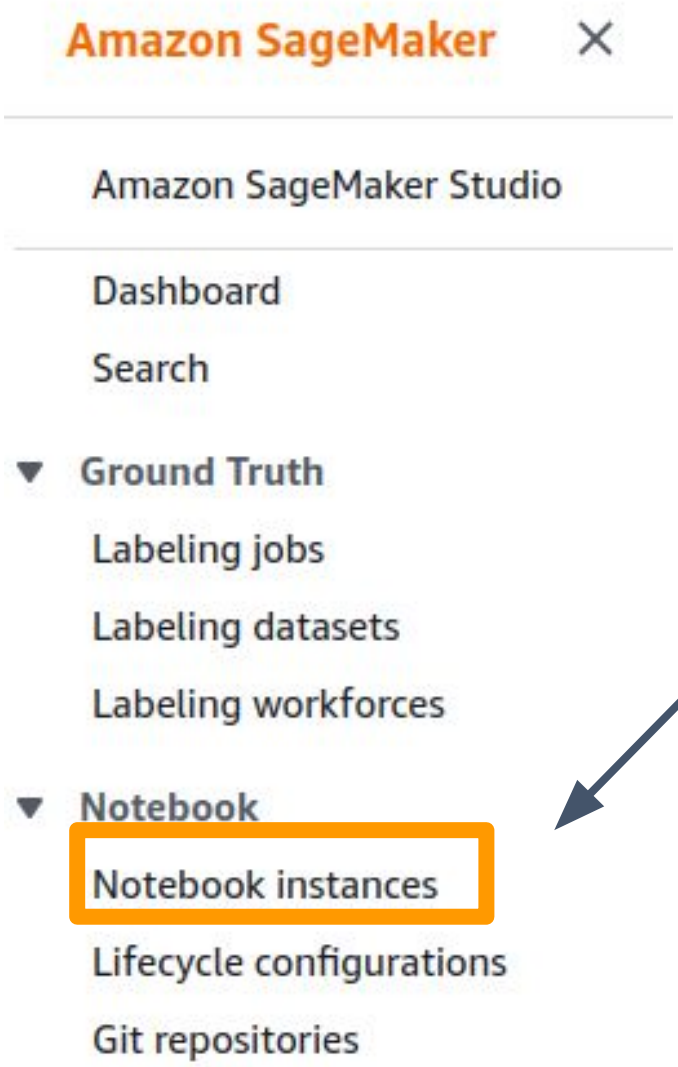
Use the IAM user name and password I sent you.

AWS Sagemaker

Once logged in, click on Amazon SageMaker

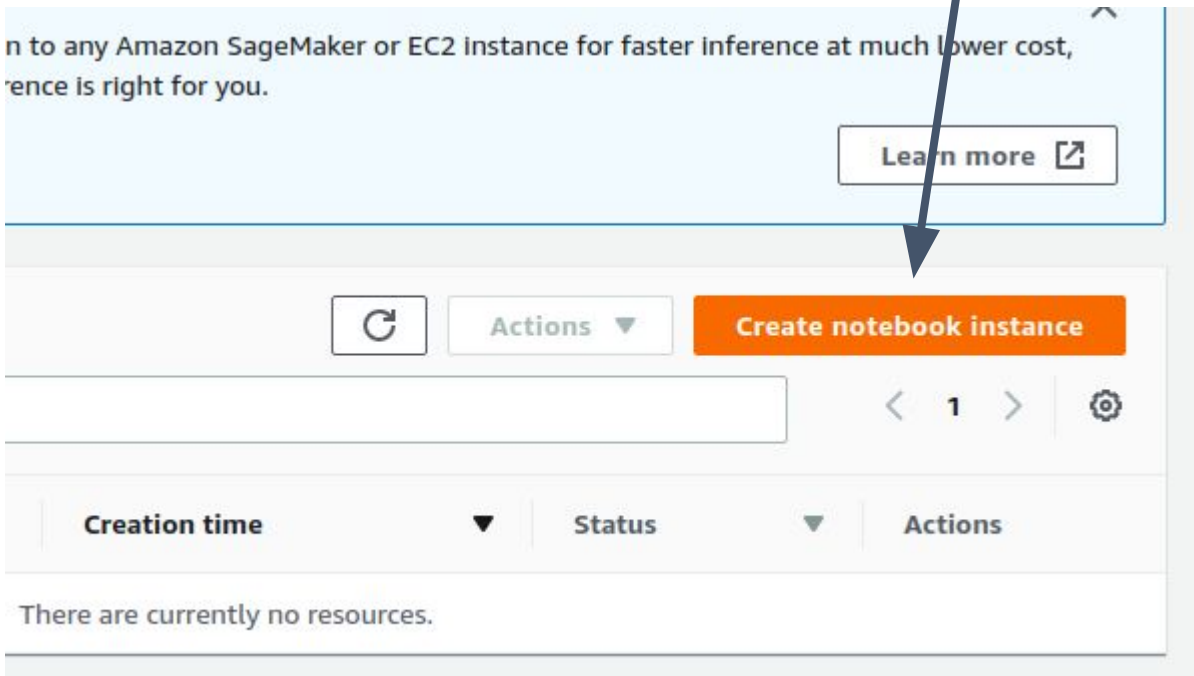


AWS Sagemaker



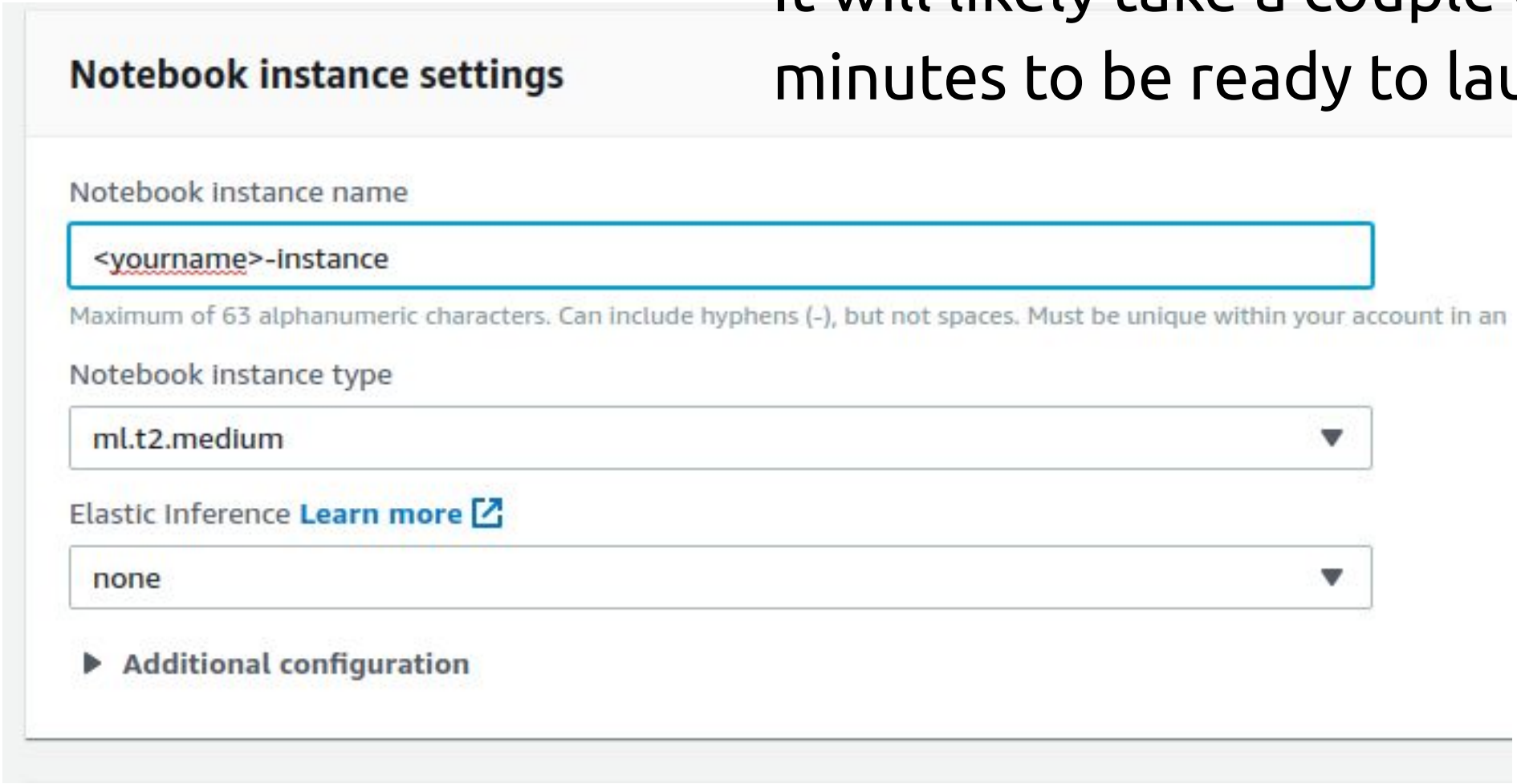
On the left panel, click on “Notebook instances”

Then click this button

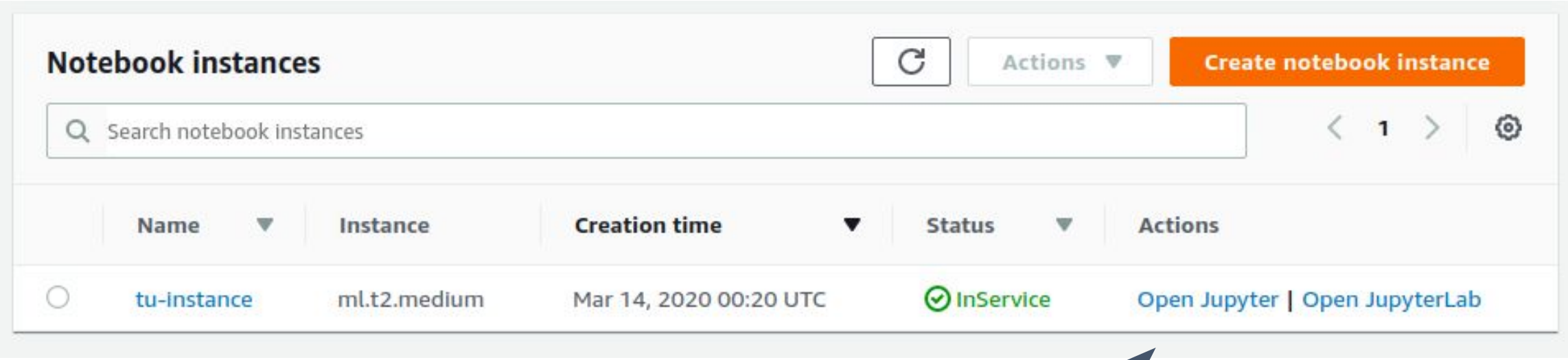


AWS Sagemaker

Give you instance a name, and keep all other settings the same.
It will likely take a couple of minutes to be ready to launch

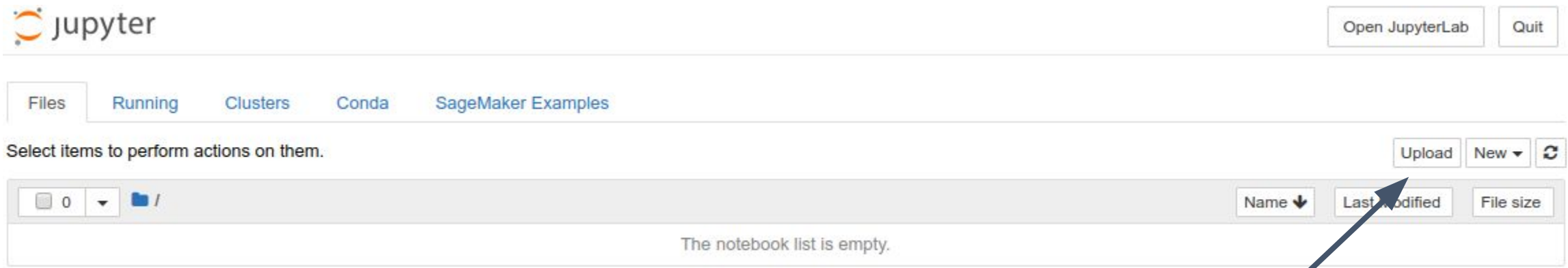


AWS Sagemaker



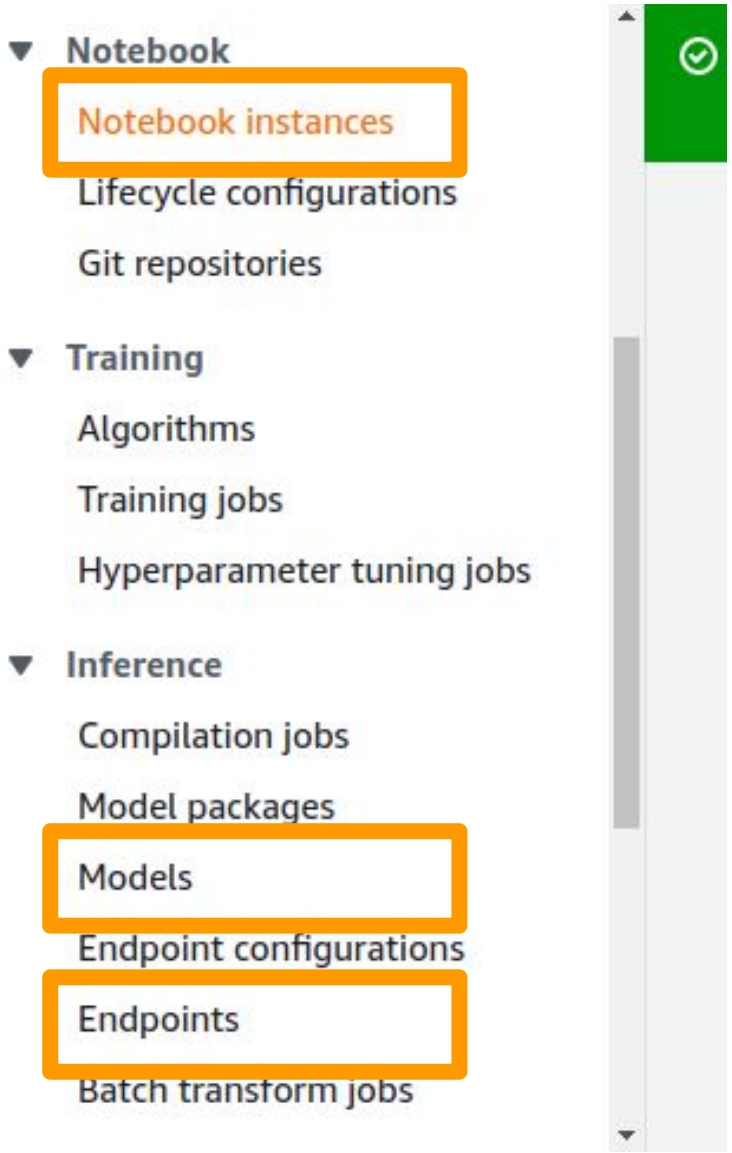
Once it become available, click on
“Open Jupyter”

AWS Sagemaker



Once in Jupyter, click the Upload button and upload the two walkthrough files.
Open the notebook, and we'll proceed from there.

AWS Sagemaker



When finished, make sure to delete any models, endpoints, and/or notebook instances to avoid extra charges.