SageMaker Setup Tutorial for MLU Course

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Following are the steps to work with Jupyter notebooks in SageMaker for MLU classes.

The goal of this walkthrough is to show how to setup the SageMaker environment to run your notebooks during the course.

All the notebooks that you will need to upload will be on Canvas.

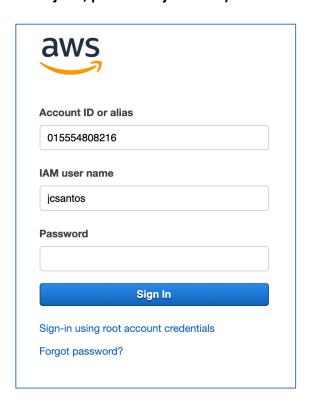
1-AWS Account:

You can access your MLU AWS account here:

Sign-in URL: https://015554808216.signin.aws.amazon.com/console

User name: <your alias> Password: <your alias>

Important: for alias with less than 6 digits, use the suffix MLU for your alias as password (Ex. User: john, password: johnMLU)



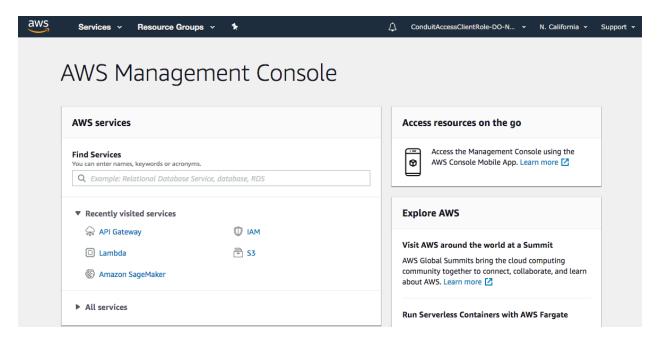
Please be aware that the "account is NOT free and will be frugal during account usage".

At the AWS Management Console:

1. Select region US East (N. Virginia) at the top right menu.



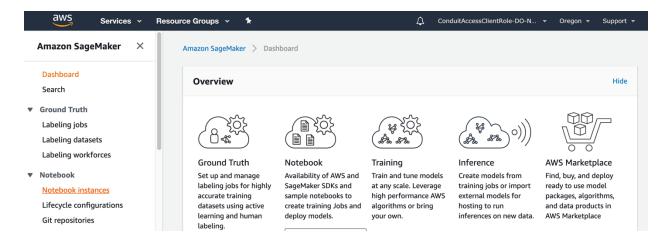
On Find Services, search for SageMaker and select it.



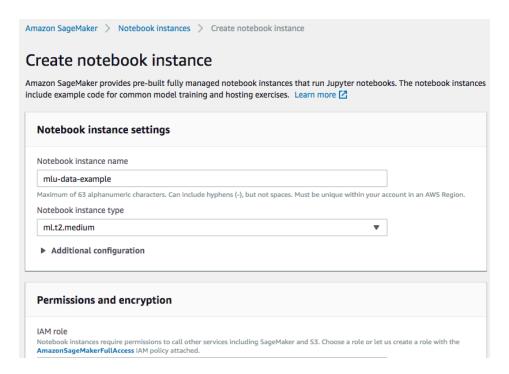
Use Jupyter Notebook instance in SageMaker:

Create notebook instance

SageMaker allows you to develop the training, testing and inference logics within Jupyter notebook instances. You can create the notebook instance using SageMaker by Notebook-Notebook Instances->Create Notebook Instance.

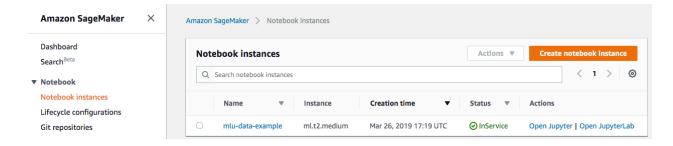


- Choose the notebook instance name "mlu-<your alias>".
- Select the Notebook instance type as "ml.c4.2xlarge"



Left everything else in their default value and click the button Create Notebook Instance.

Once your notebook is created you will see its status changing from "Pending" to "InService". Click on the Open Jupyter option on the right to open you Jupyter notebook.



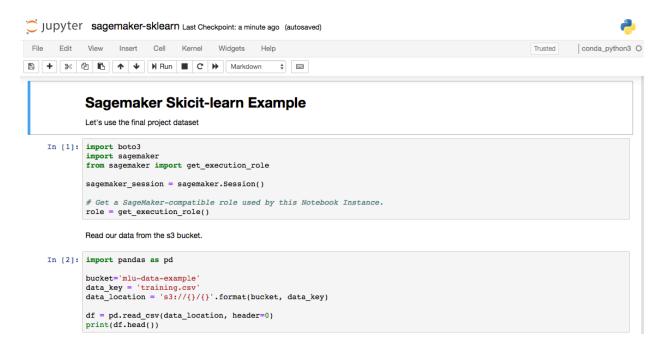
Upload a Jupyter Notebook:

- Click on the **Upload** option at the top right corner of your screen to upload the Jupyter notebook that you have previously downloaded from Canvas.
- 2. Click on the notebook name to open it.
- 3. If you are asked to choose a kernel, choose "conda python3".



Edit/Run the .ipynb notebook file

The Jupyter notebook is very similar to Eider.

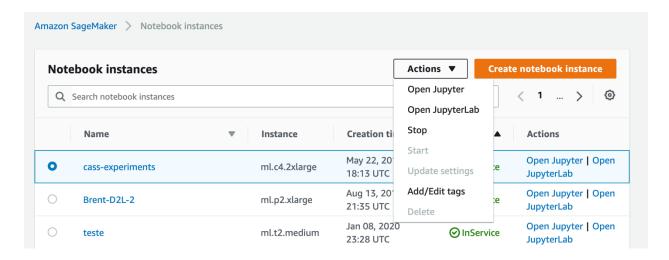


A Note on Frugality: Shutdown your instance when not in use

Every time you need to interrupt your work on your assignment, remember to stop your SageMaKer instance.

You can always start the instance later to continue working on it.

For this, go back to your SageMaker page, select your instance and click the option "Stop" on the "Actions" menu.



Thank you!