Challenge AI 2024

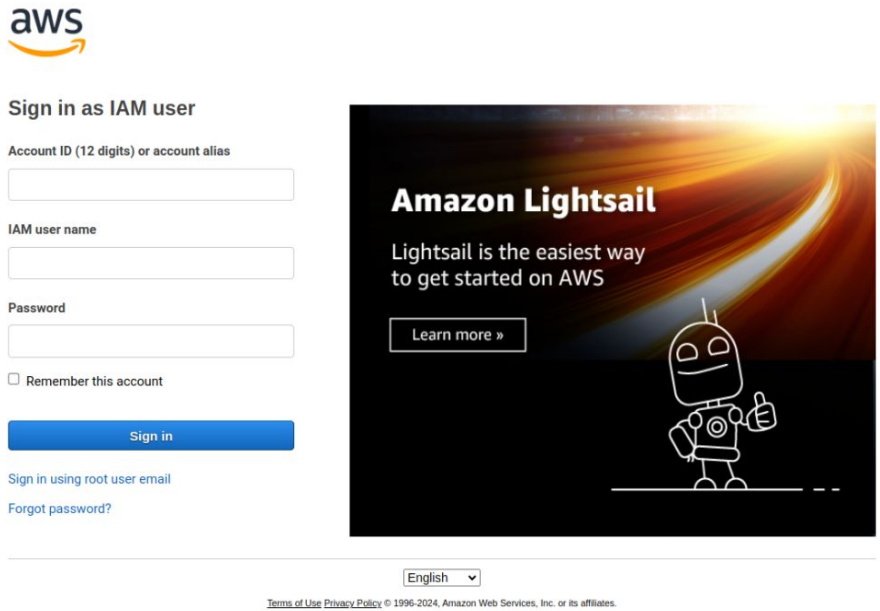
Short how-to
AWS SageMaker

Login

https://console.aws.amazon.com/

Account ID,
IAM username and
Password

are sent to you by Challenge organizers



SageMaker Service

Search the word “sagemaker” in search toolbar and select the service listed

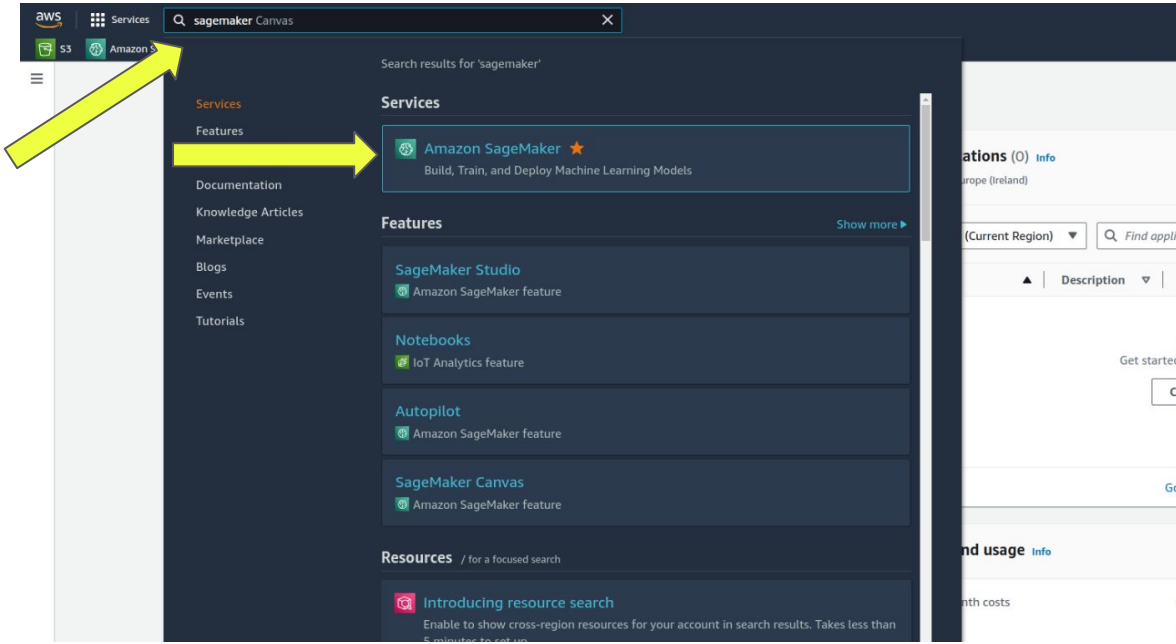
SageMaker setup require a Domain and a UserProfile that can mange the servicein the Domain.

The Domain name is *QuickSetupDomain-YYYYMMDDTHHMMSS* (the capital digits are the timestamp).

The UserProfile name is *default-YYYYMMDDTHHMMSS* (the capital digits are the timestamp).

A Domain and a UserProfile with right privileges have already been **created** and are available.

Documentation
https://docs.aws.amazon.com/sagemaker/

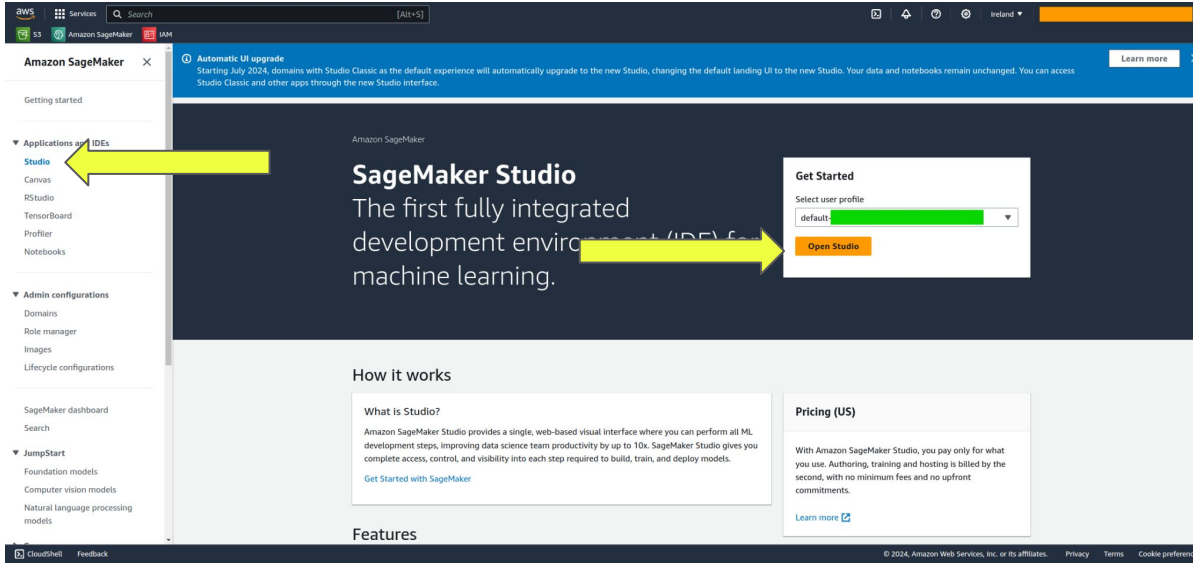


Application Studio

Select [Studio] from left menu

Select [Open studio] (right side of page). The selected profile user is the only one available and has the right privileges.

Check the region: all SageMaker services can be used in **eu-west-1 (Ireland)** Region **only**.

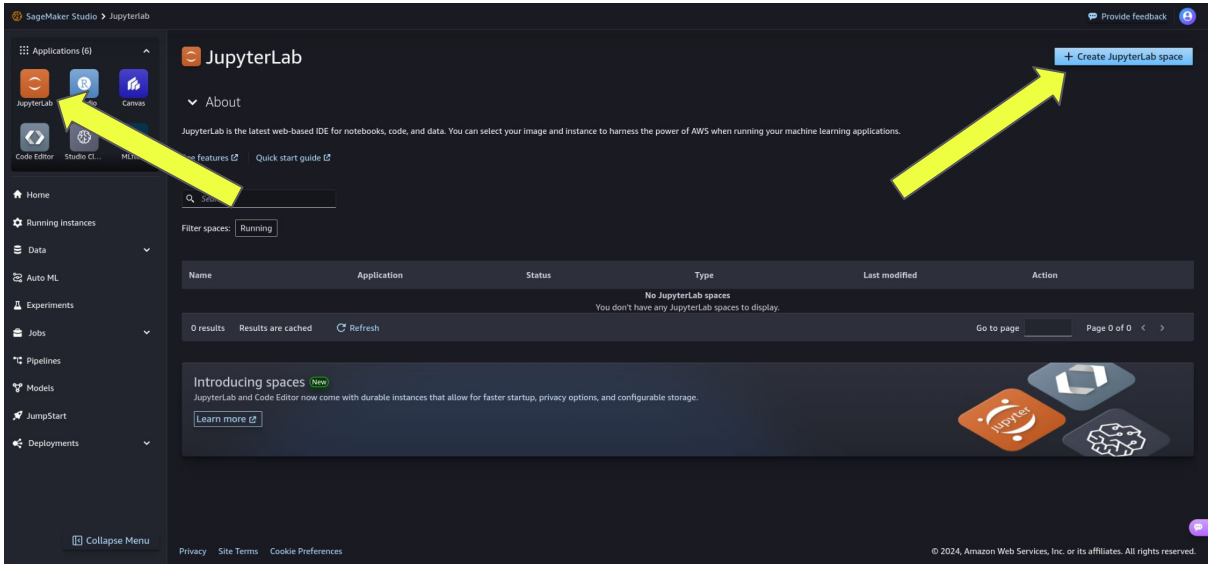


JupyterLab

JupyterLab

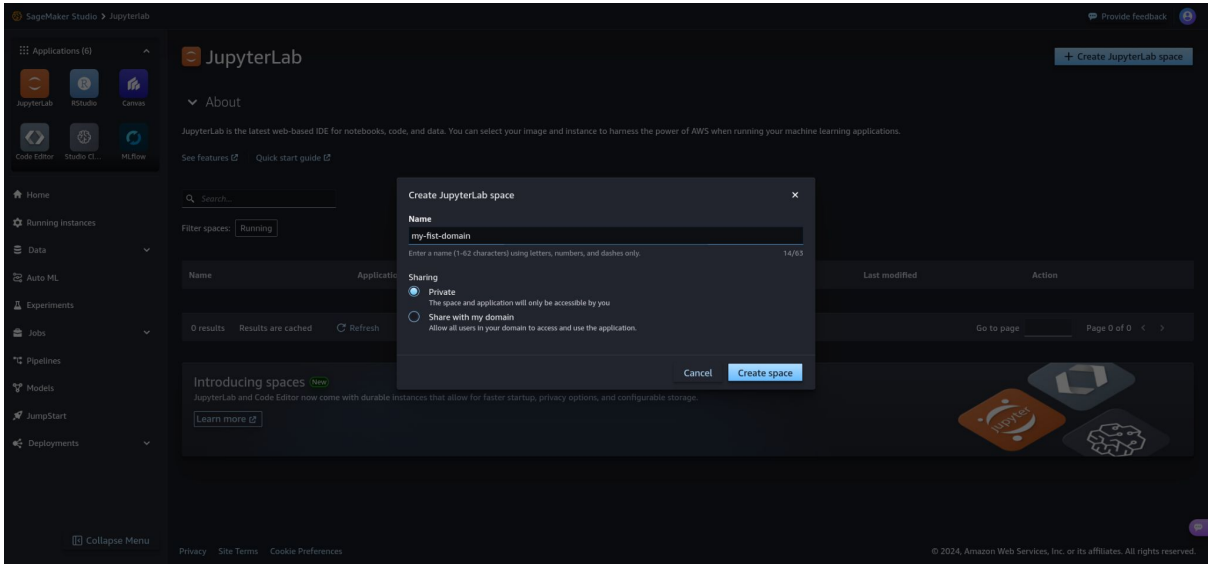
Select the JupyterLab service from left side.

Create a space



JupyterLab

Set the name of the space



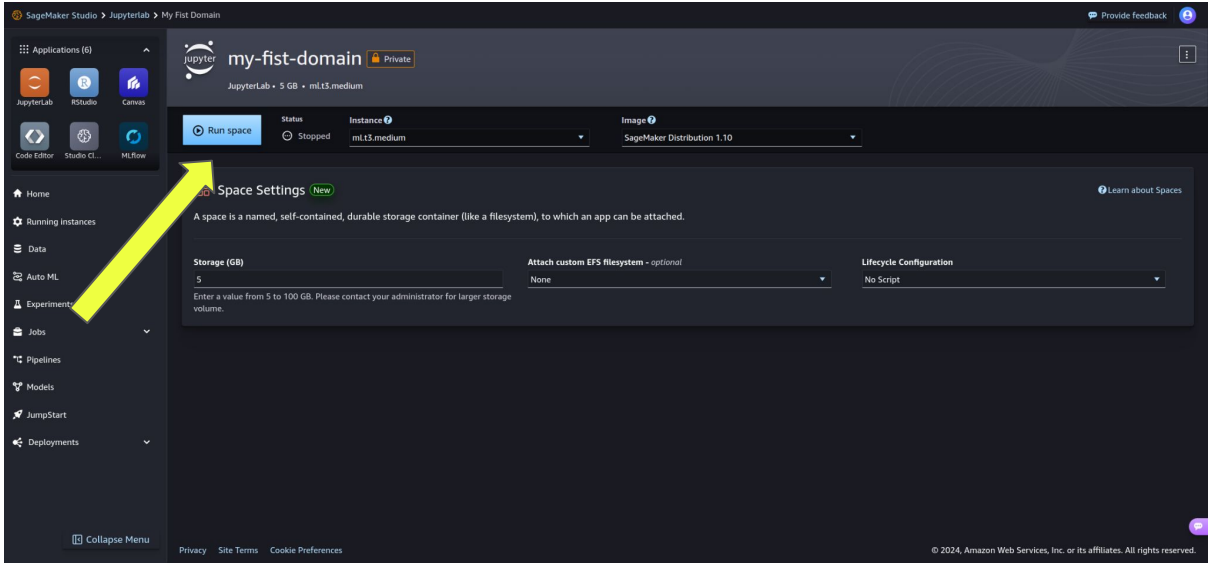
JupyterLab

Select the attribute of the space.

Select [Run space] to start it

Please note that the list of instance type reports all supported ones, but you are allowed to select only **some** instance type. The list of eligible is reported at the end of this document.

The creation process can take some time.



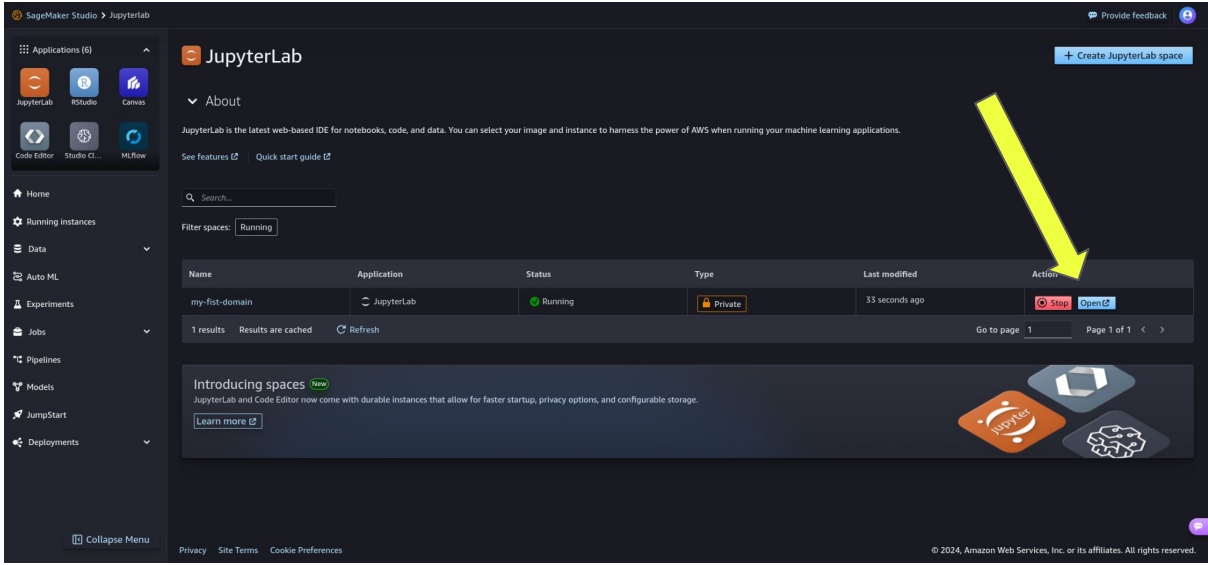
JupyterLab

To run JupyterLab, select [Open].

A new window with JupyterLab is opened

To stop the space, select [Stop].

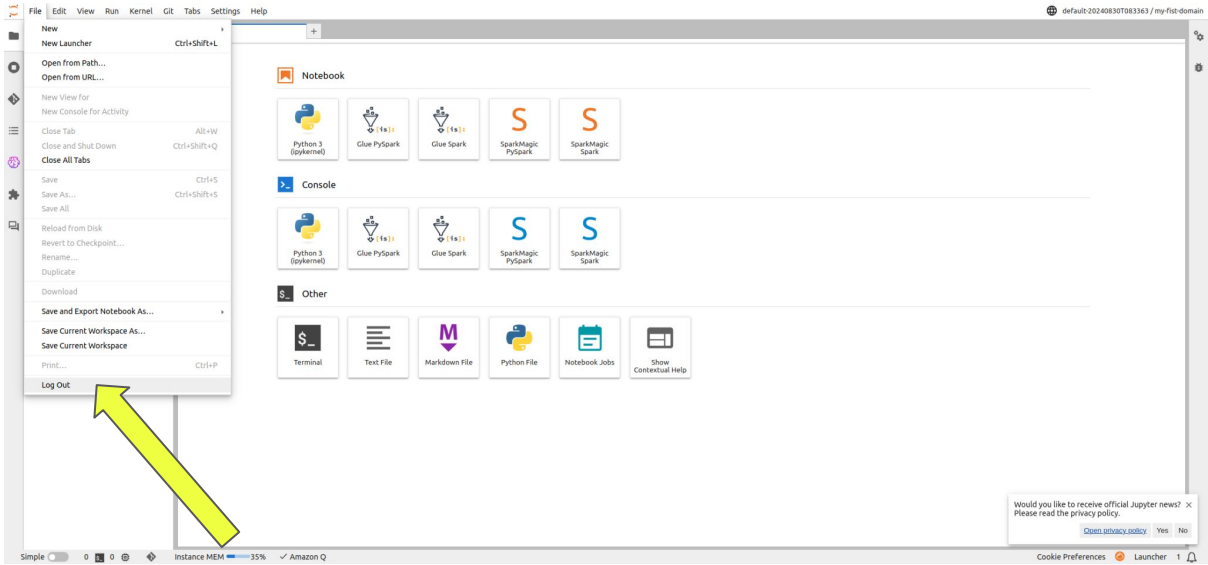
A stopped space consumes less (budget) than a running space, but it is not zero cost.



JupyerLab

Logout JupyterLab

The Logout closes the instance of JupyterLab. The space is still running.



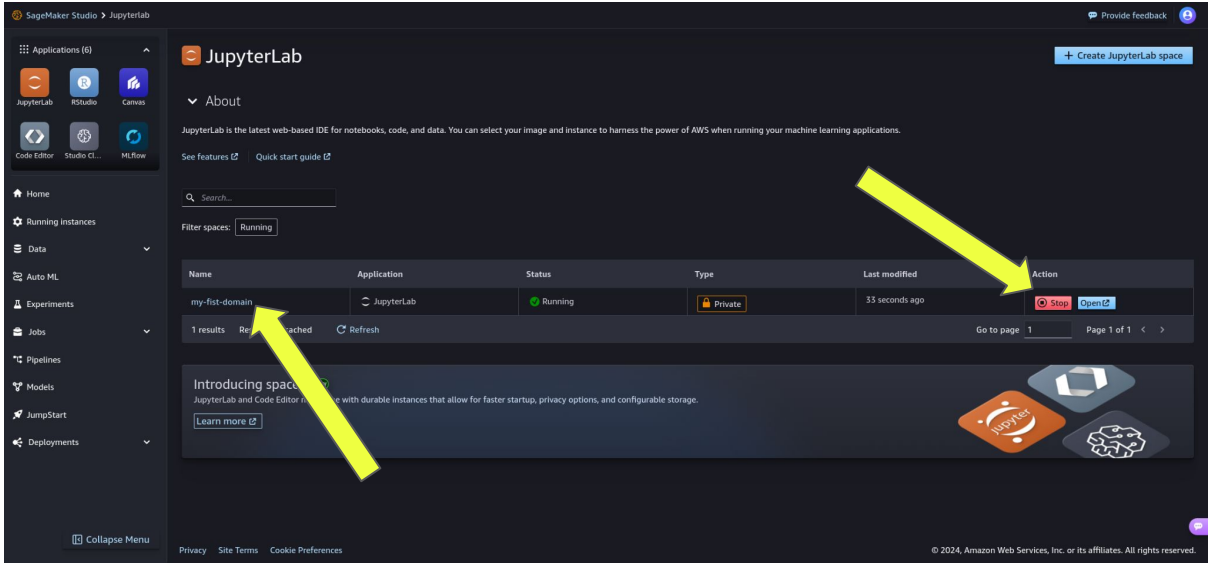
JupyterLab

Delete JupyterLab Space / 1

Delete action is irreversible and all the data saved in the space are destroyed.

Select [Stop] to stop the Space

Select the Space

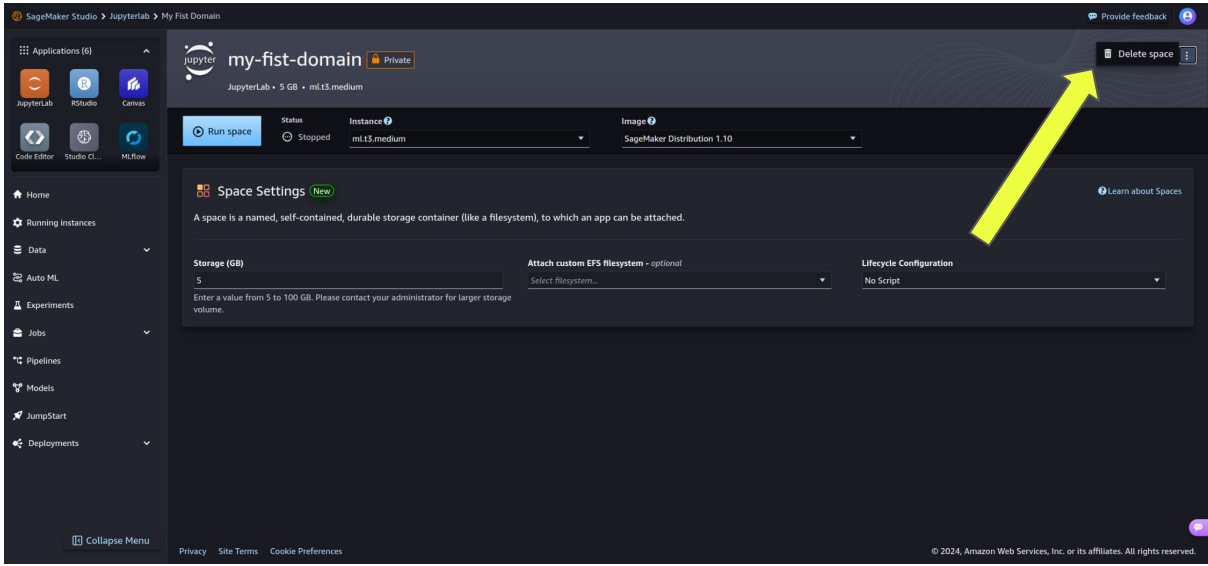


JupyterLab

Delete JupyterLab Space / 2

Select [Delete space]

Delete action is irreversible and all the data saved in the space are destroyed.

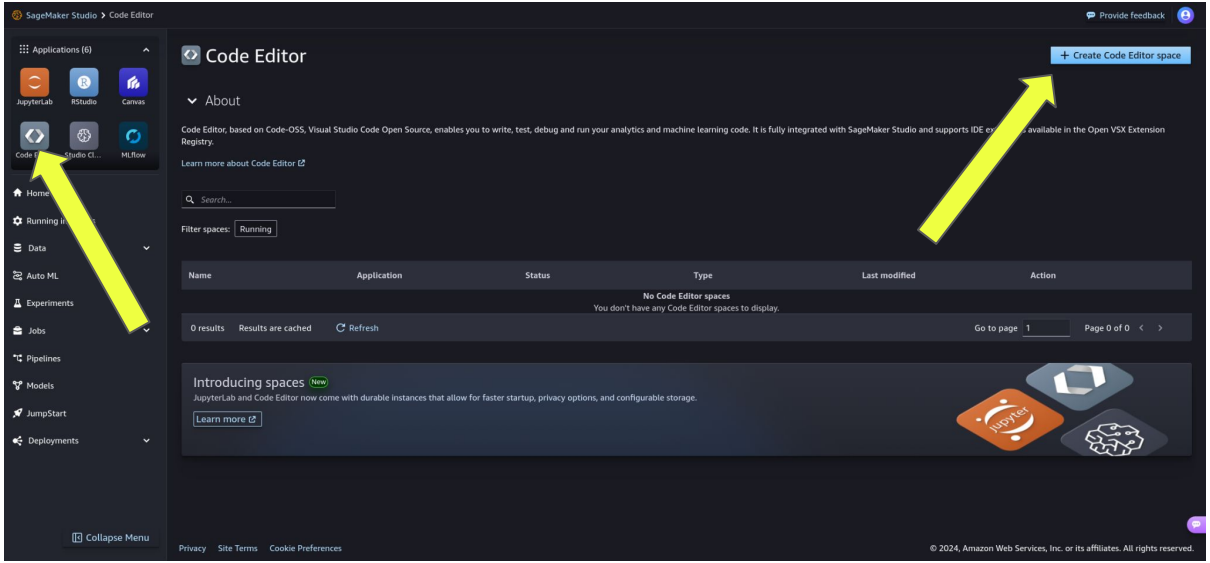


CodeEditor

CodeEditor

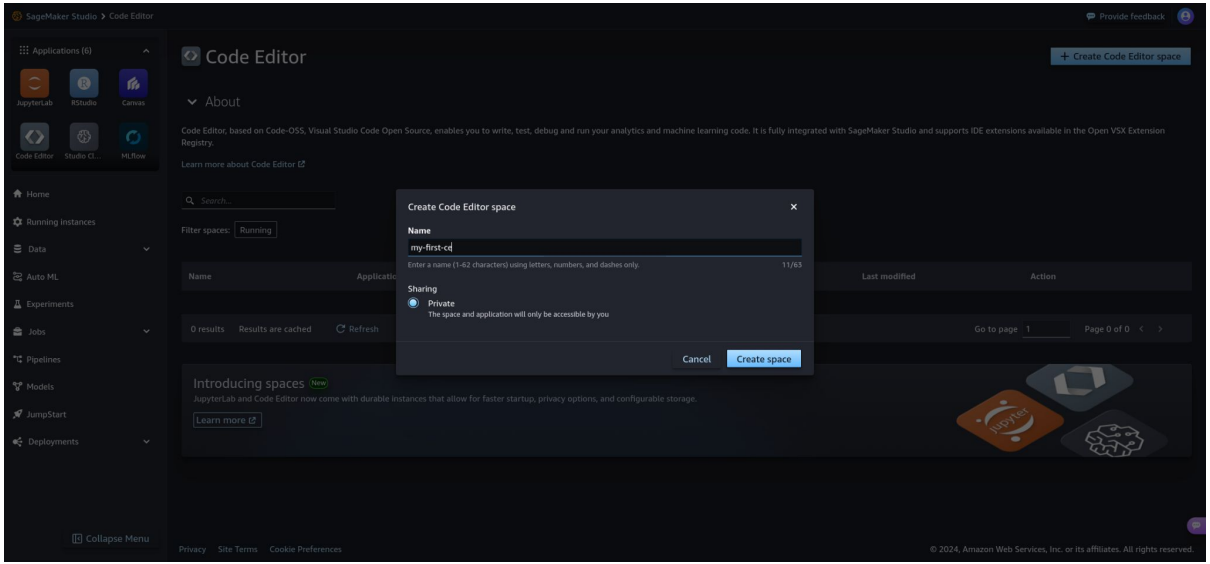
Select the CodeEditor service from left side.

Select [Create Code Editor space] to crate a new space.



CodeEditor

Set the name of the space



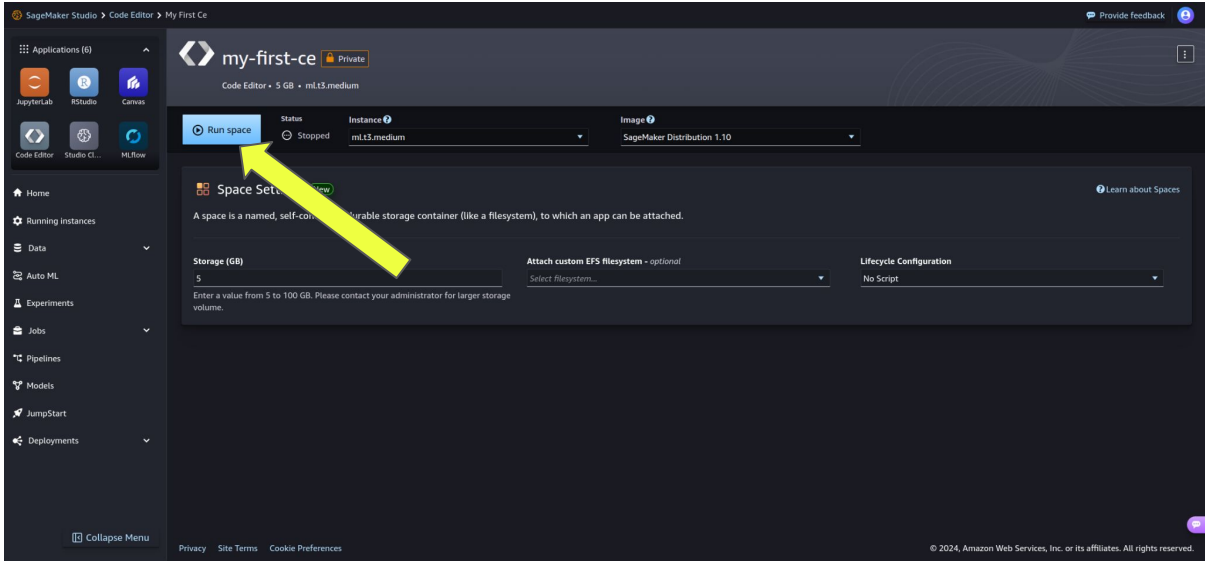
CodeEditor

Select the attribute of the space.

Select [Run space] to start it

Please note that the list of instance type reports all supported ones, but you are allowed to select only **some** instance type. The list of eligible is reported at the end of this document.

The creation process can take some time.



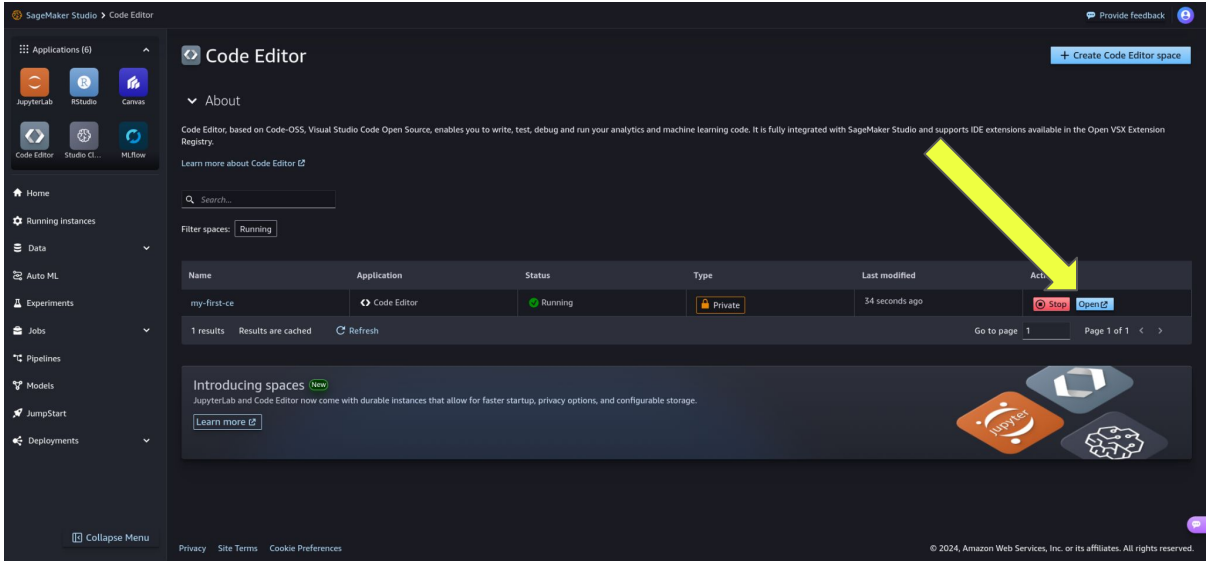
CodeEditor

To run JupyterLab, select [Open].

A new window with JupyterLab is opened

To stop, select [Stop]

A stopped space consumes less (budget) than a running space, but it is not zero cost.



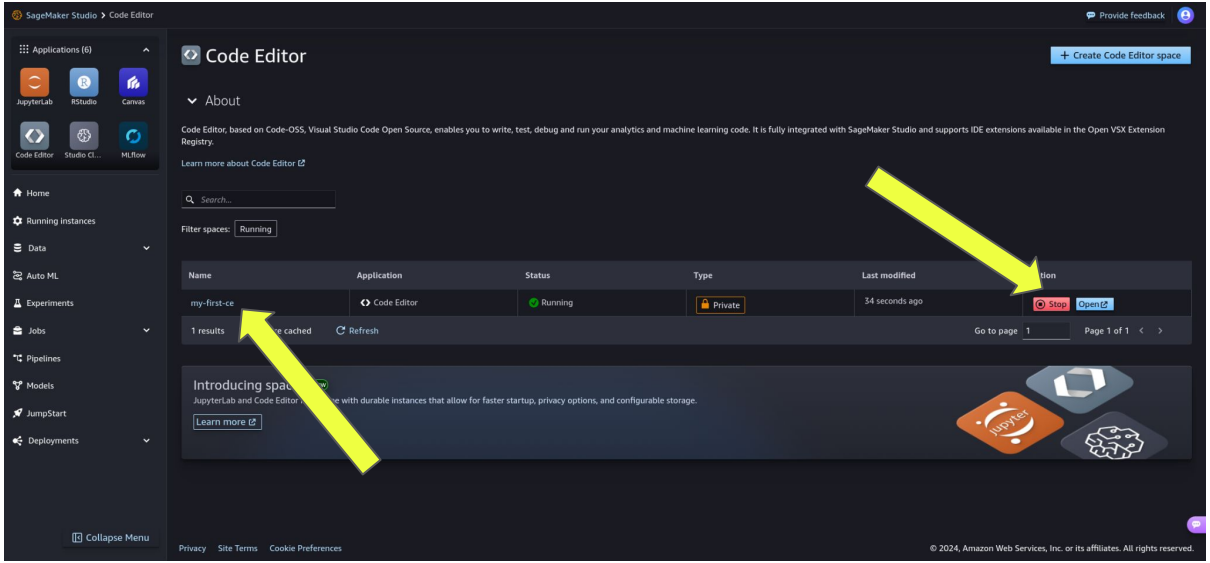
CodeEditor

Delete CodeEditor Space / 1

Delete action is irreversible and all the data saved in the space are destroyed.

Select [Stop] to stop the Space

Select the Space

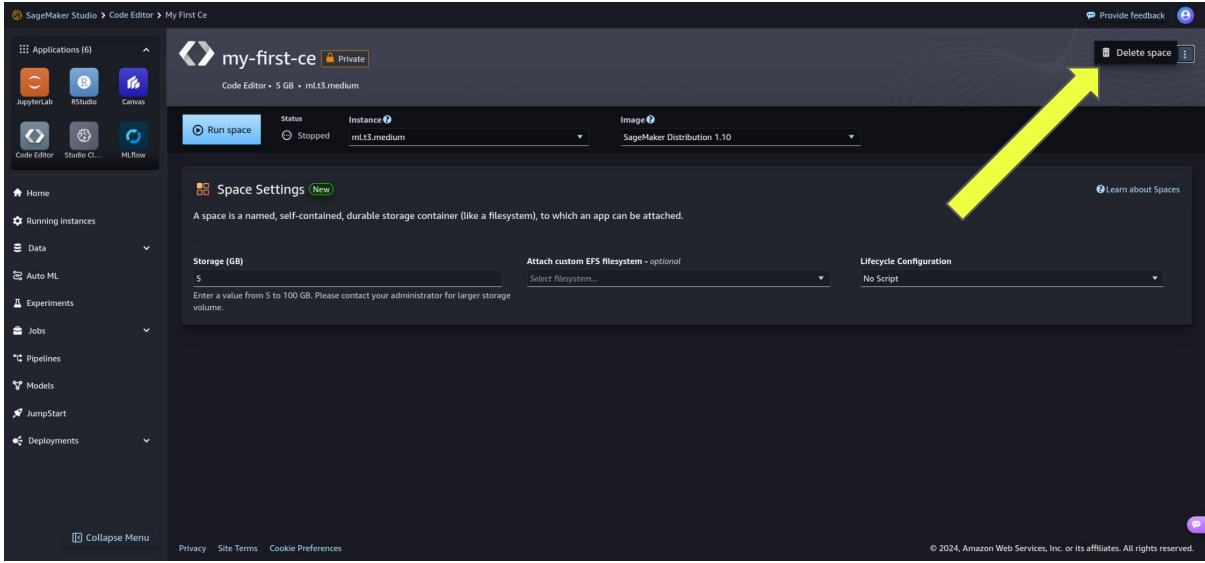


CodeEditor

Delete CodeEditor Space / 2

Select [Delete space]

Delete action is irreversible and all the data saved in the space are destroyed.

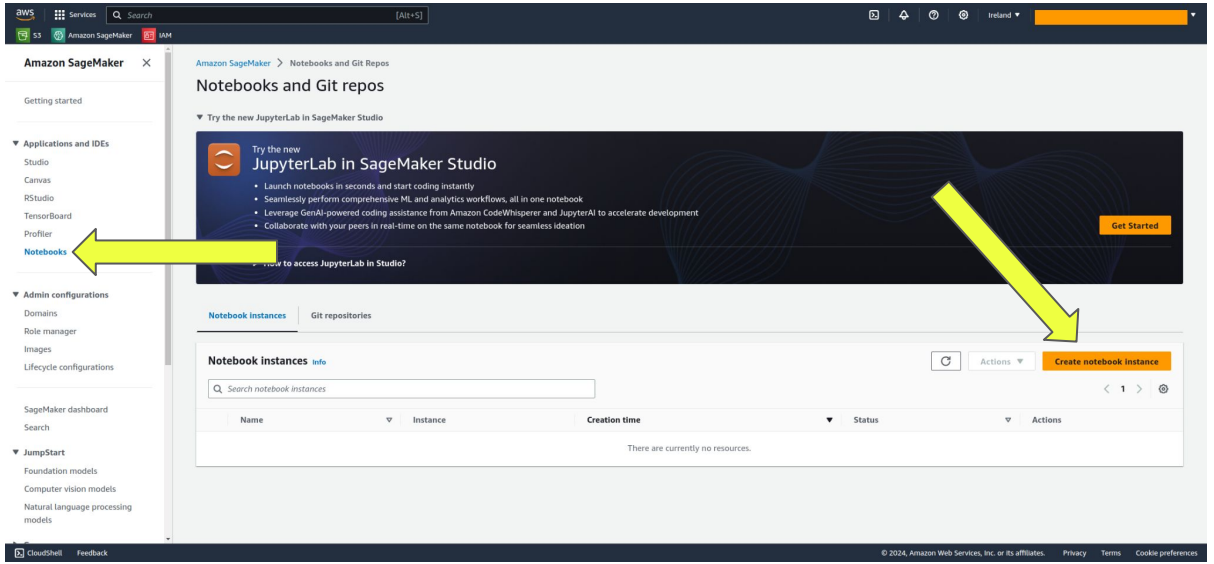


Notebook

Notebook

Select [Notebook] from left menu

Create a new Notebook instance



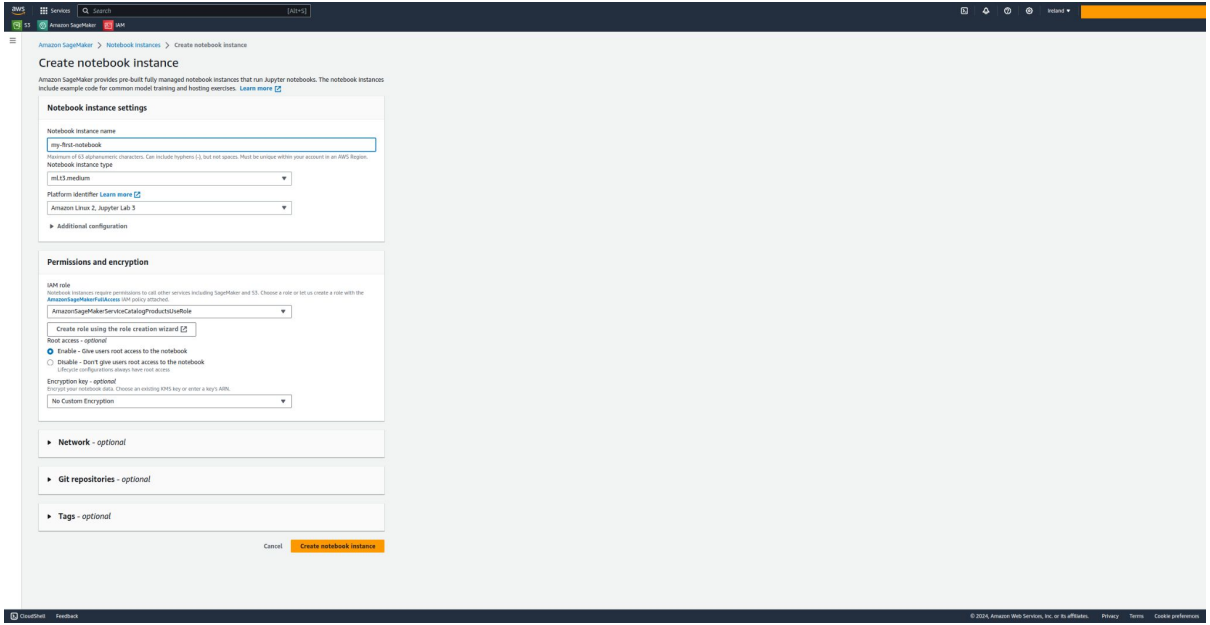
Notebook

Set a name.

Set the parameters.

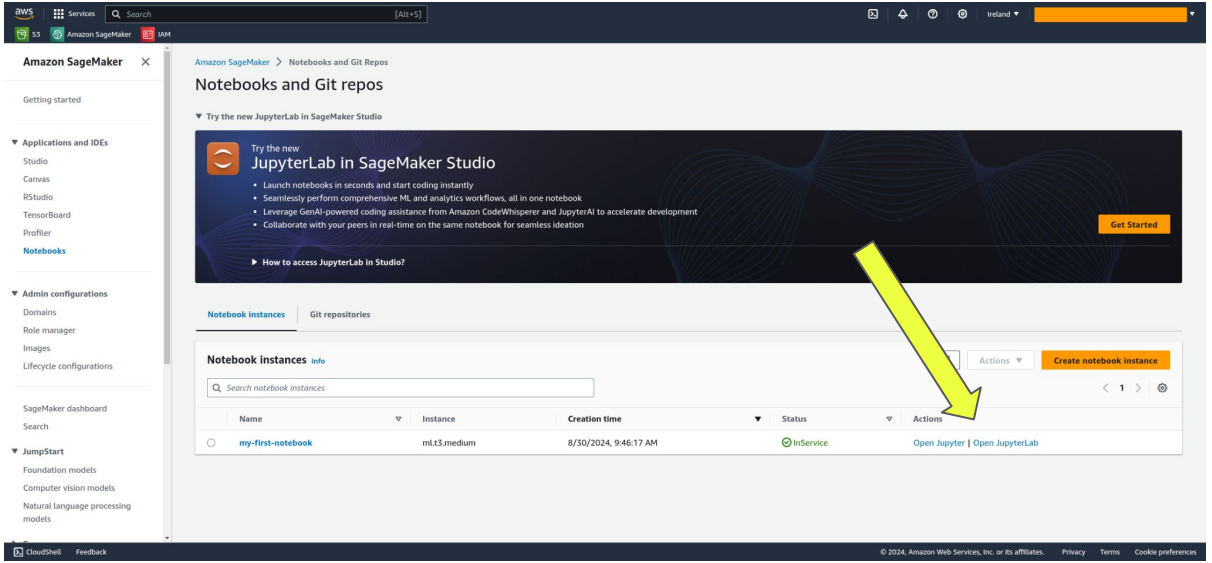
Please note that the list of instance type reports all supported ones, but you are allowed to select only some instance type. The list of eligible is reported at the end of this document.

The creation process takes some time.



Notebook

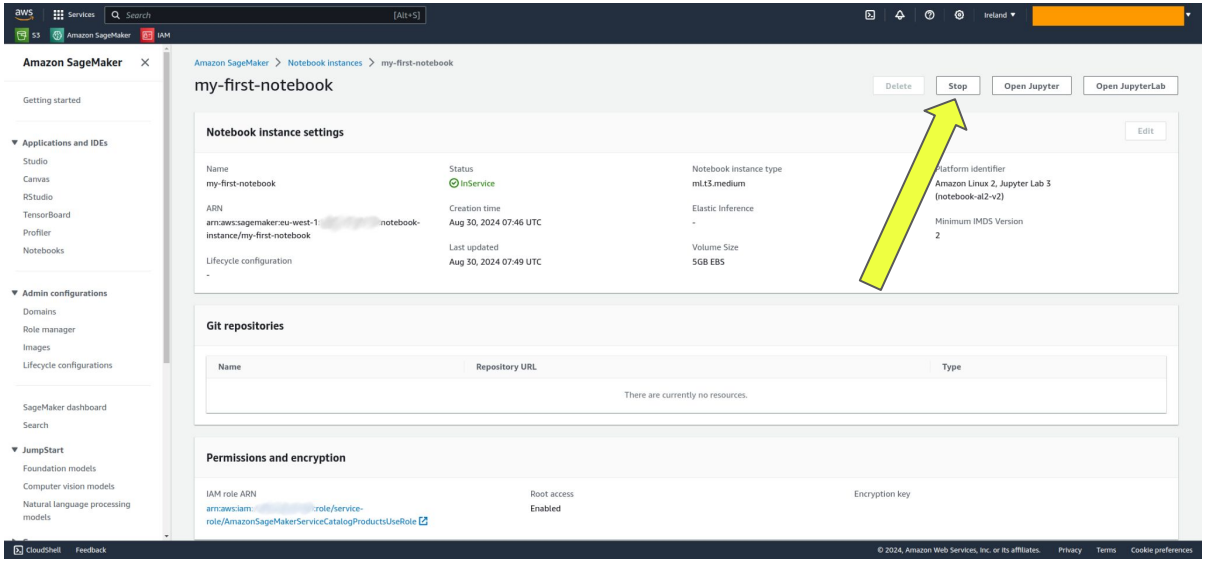
When the notebook is ready, you can run a Jupyter or JupyterLab.



Notebook

From the list of Notebooks available, select the Notebook.

Select [Stop] to stop the instance.



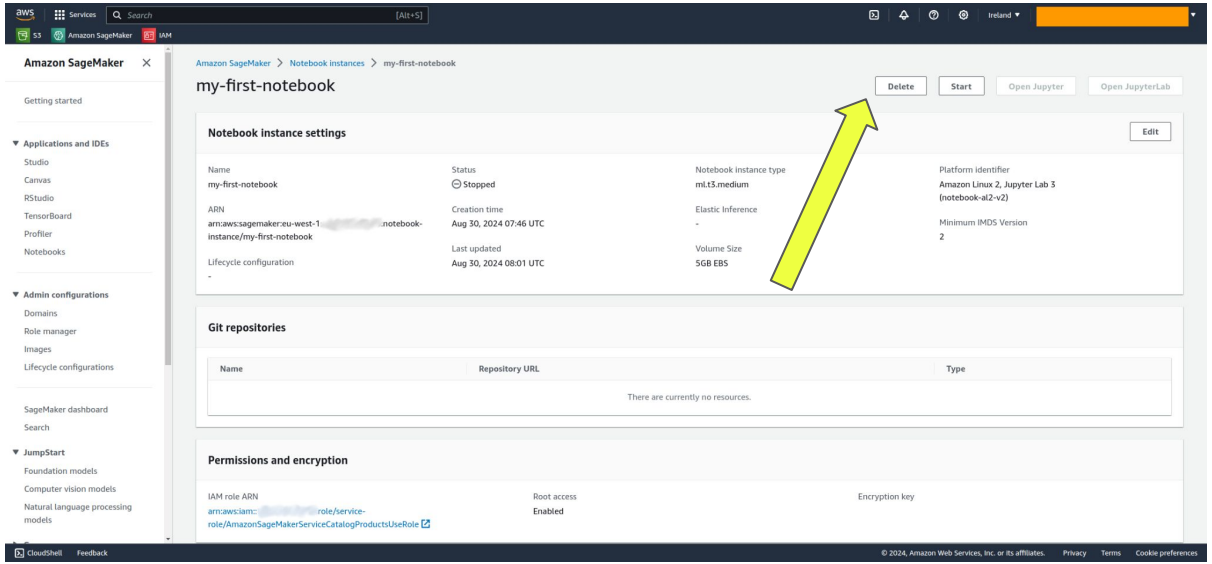
Notebook

From the list of Notebooks available, select the Notebook.

Select [Delete] to destroy the instance.

You can delete a Notebook instance only if it is already stopped.

Delete action is irreversible and all the data saved in the space are destroyed.



Allowed Instance type

List of allowed instance types

- ml.t3.medium
- ml.t3.large
- ml.t3.xlarge
- ml.t3.2xlarge
- ml.m5.large
- ml.m5.xlarge
- ml.m5.2xlarge
- ml.m5.4xlarge
- ml.m5d.large
- ml.m5d.xlarge
- ml.m5d.2xlarge
- ml.c5.large
- ml.c5.xlarge
- ml.c5.2xlarge
- ml.c5.4xlarge
- ml.r5.large
- ml.r5.xlarge
- ml.r5.2xlarge
- ml.g4dn.xlarge
- ml.g4dn.2xlarge

This is a white-list for the services mentioned in this document and for the others AWS services (eg EC2, …).

SageMaker can be used in **eu-west-1** (Ireland) Region only.

Other services can be used in EU regions

- eu-central-1
- eu-north-1
- eu-west-1
- eu-west-2
- eu-west-3