IBM Red Bull Basement Johannesburg 2018

How to start a data science project with IBM Watson Studio

Pre-requisite:

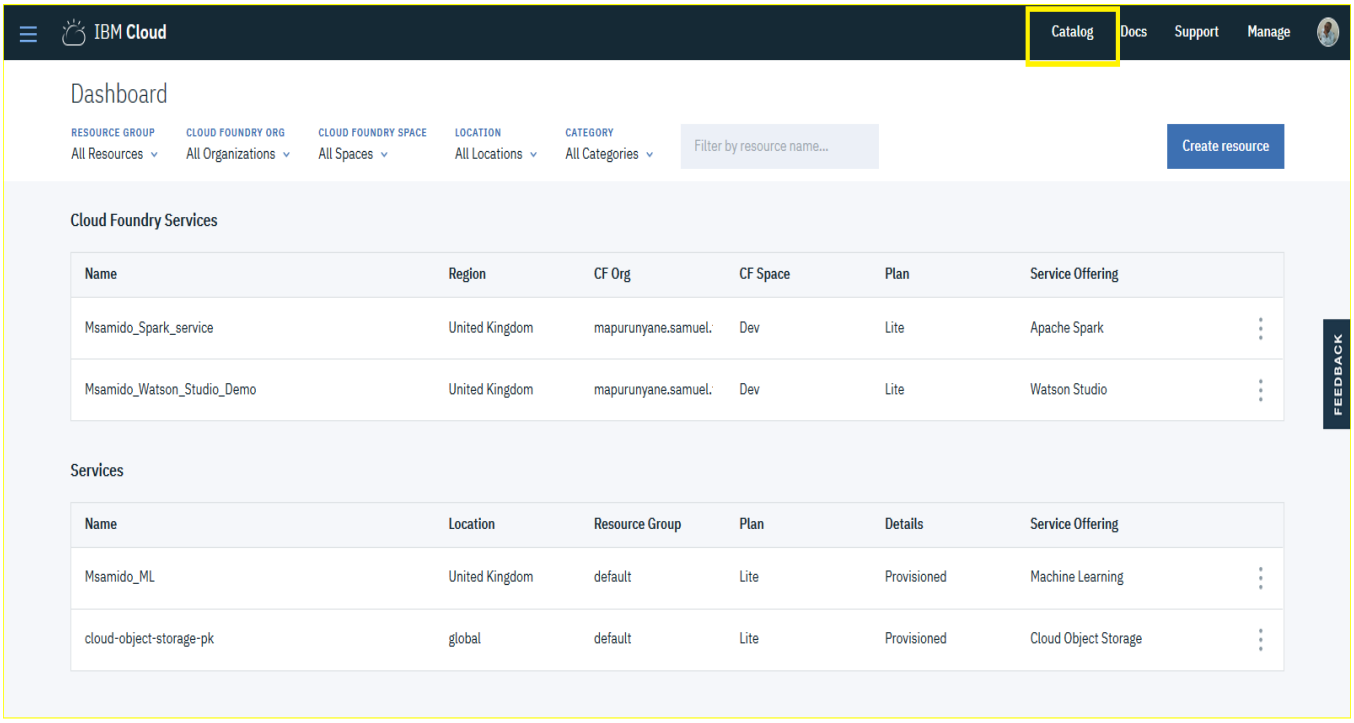
- A IBM Cloud Account link
- Dataset

Cloud http://ibm.biz/redbullbasement

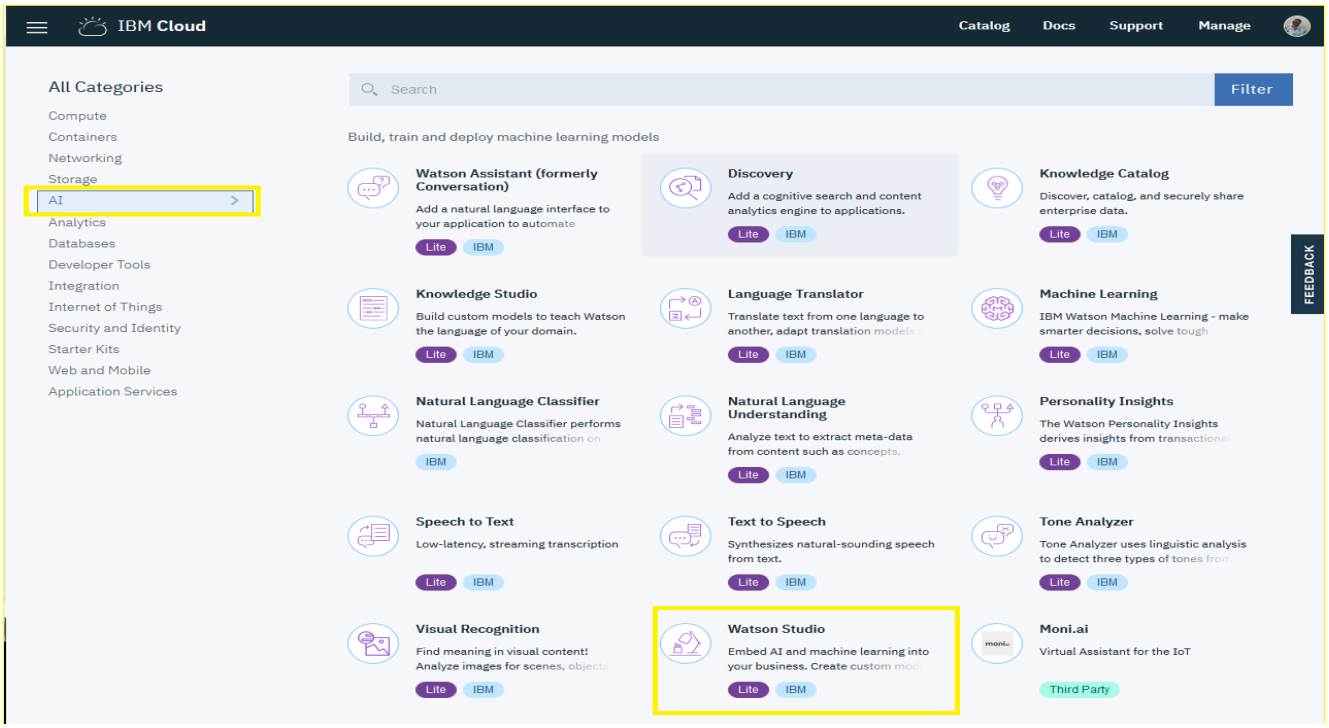
Dataset link_to_dataset

Create a Watson Studio instance

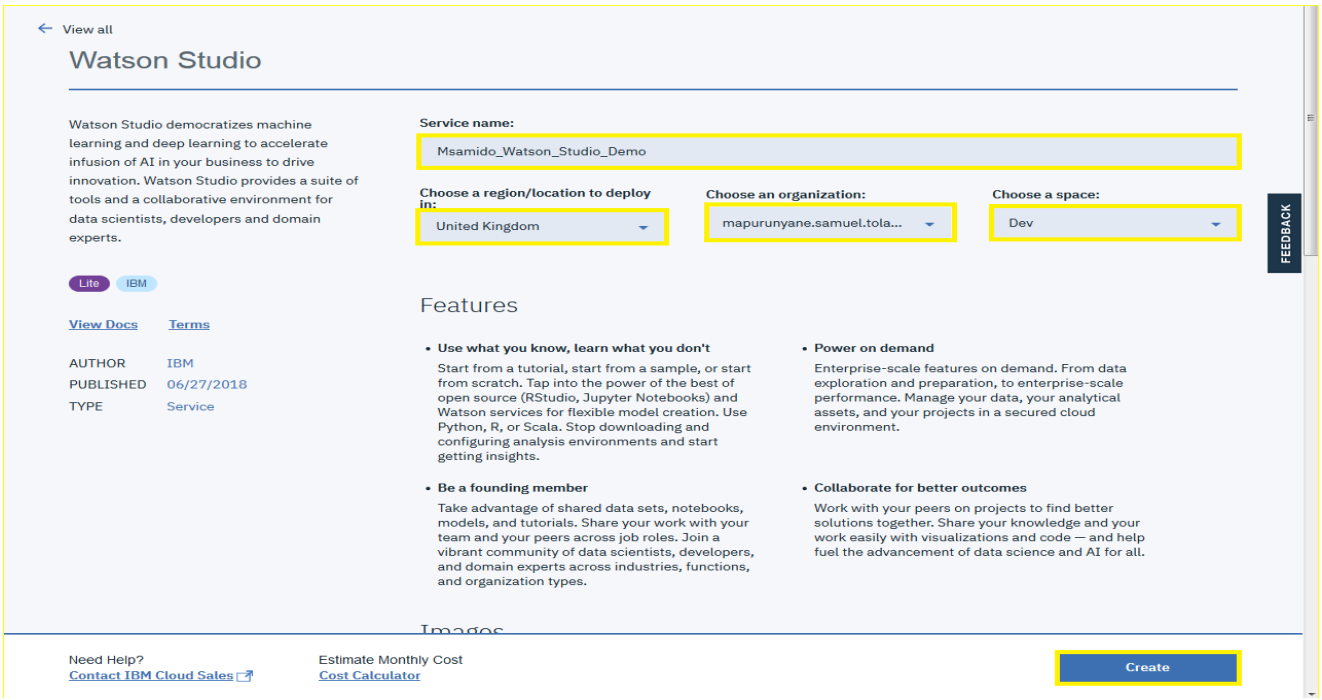
1. From the dashboard, select **Catalog**



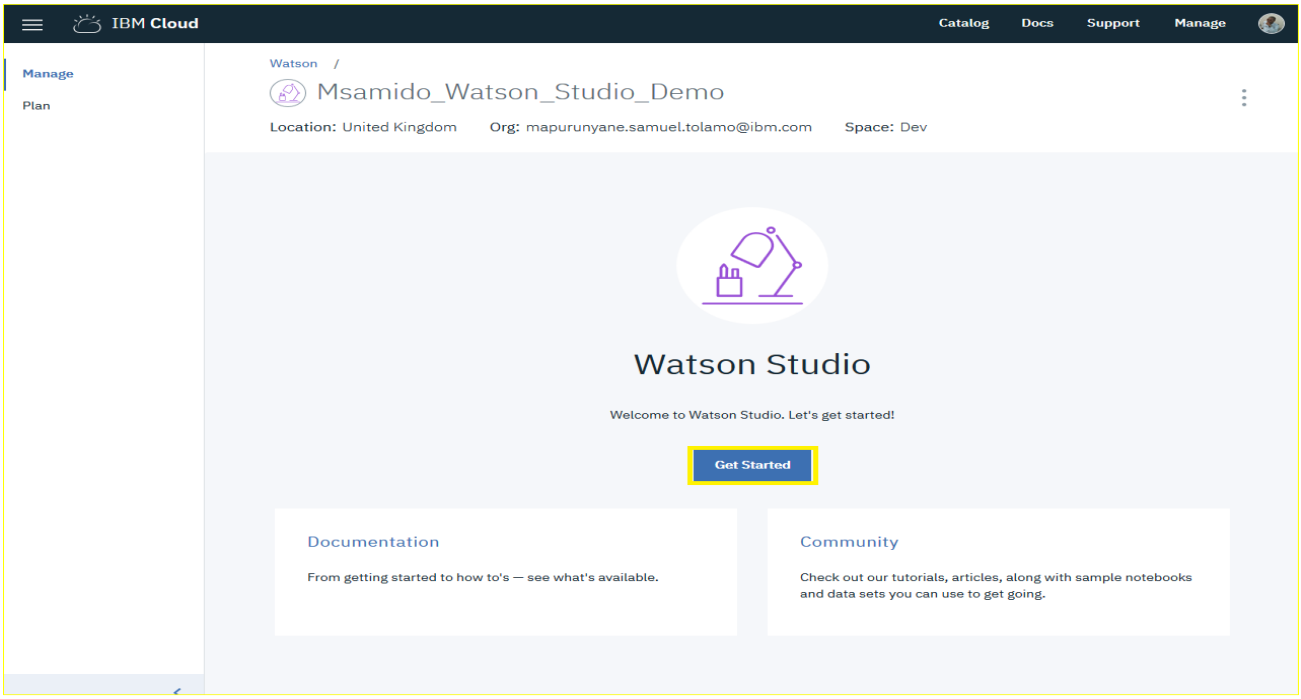
1. Under Watson Services, select **Watson Studio**



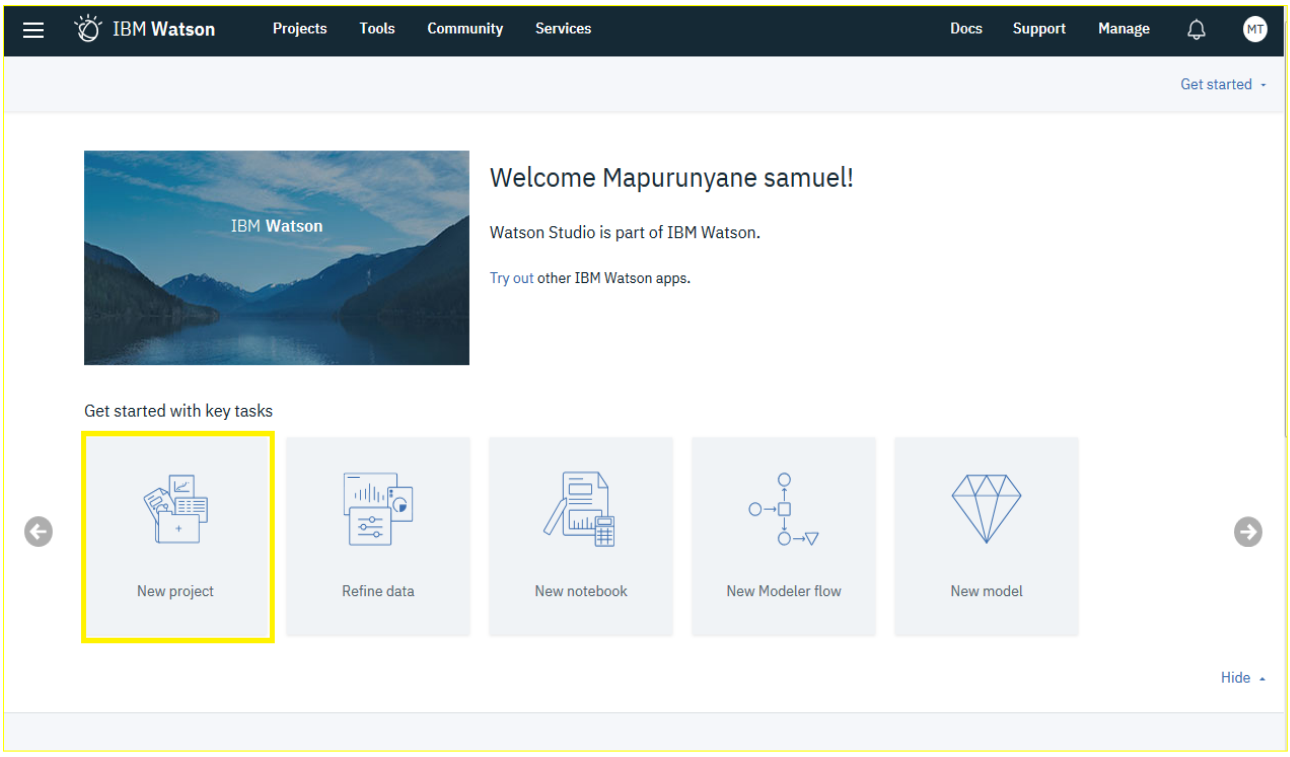
Give your service a name, and click **Create**



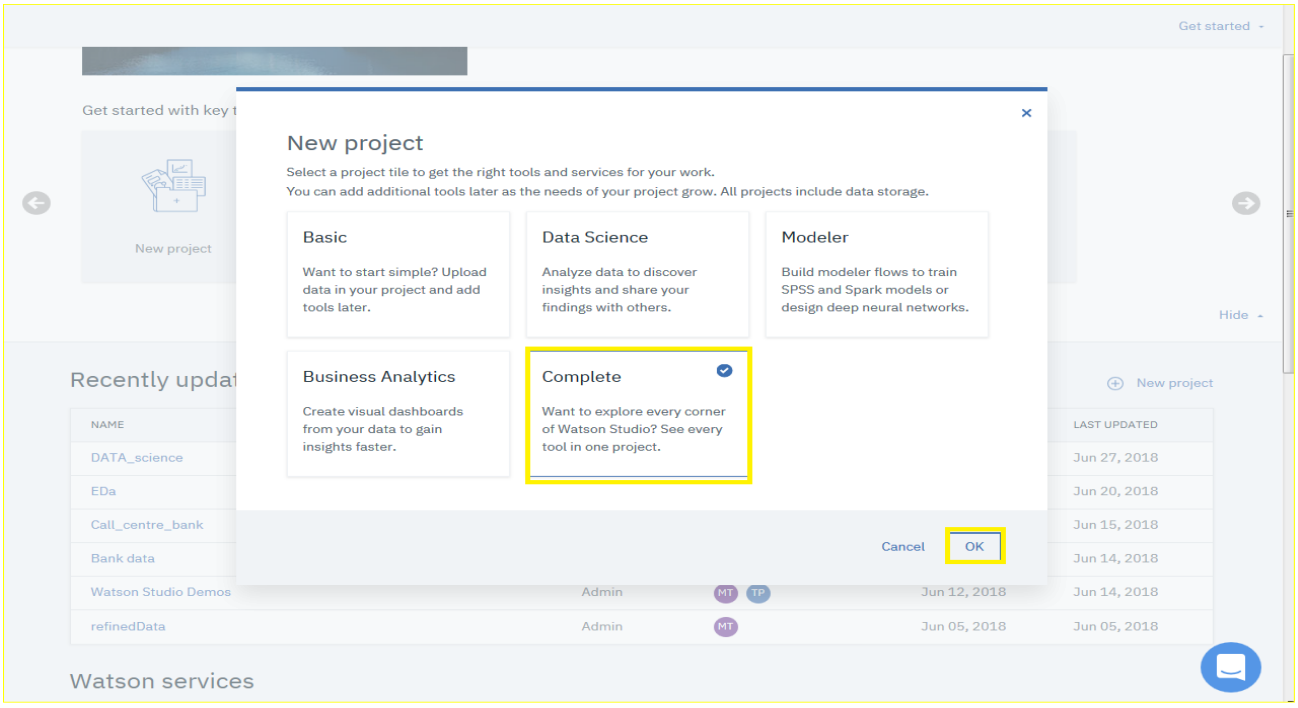
You will be redirected to the Watson Service start page, click the **Get Started** button



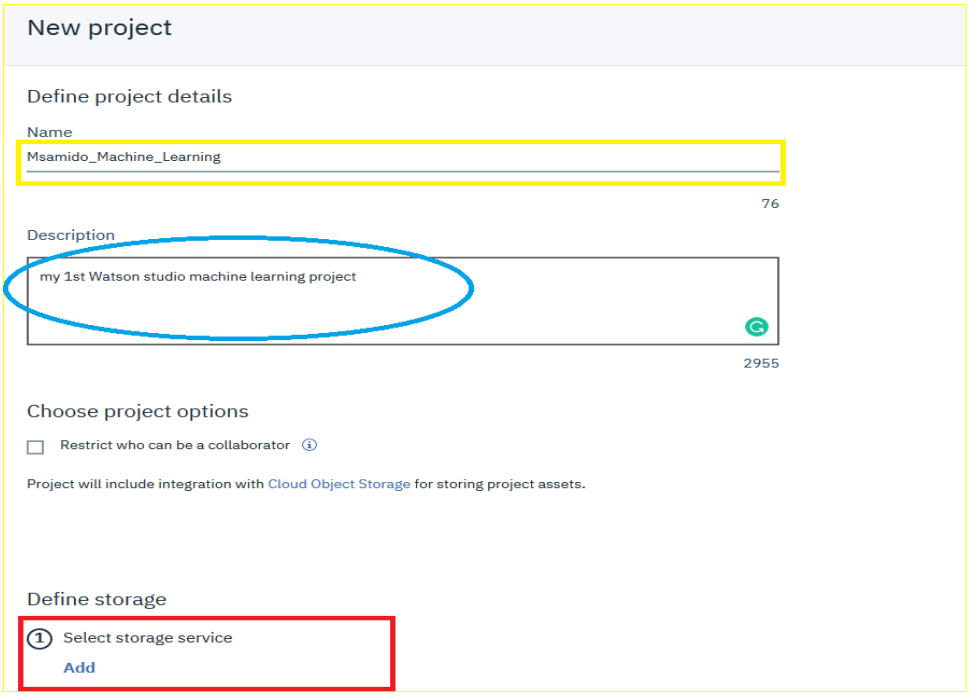
Select **New Project**



From the Pop-up Window select **Complete**, then click **Ok.**

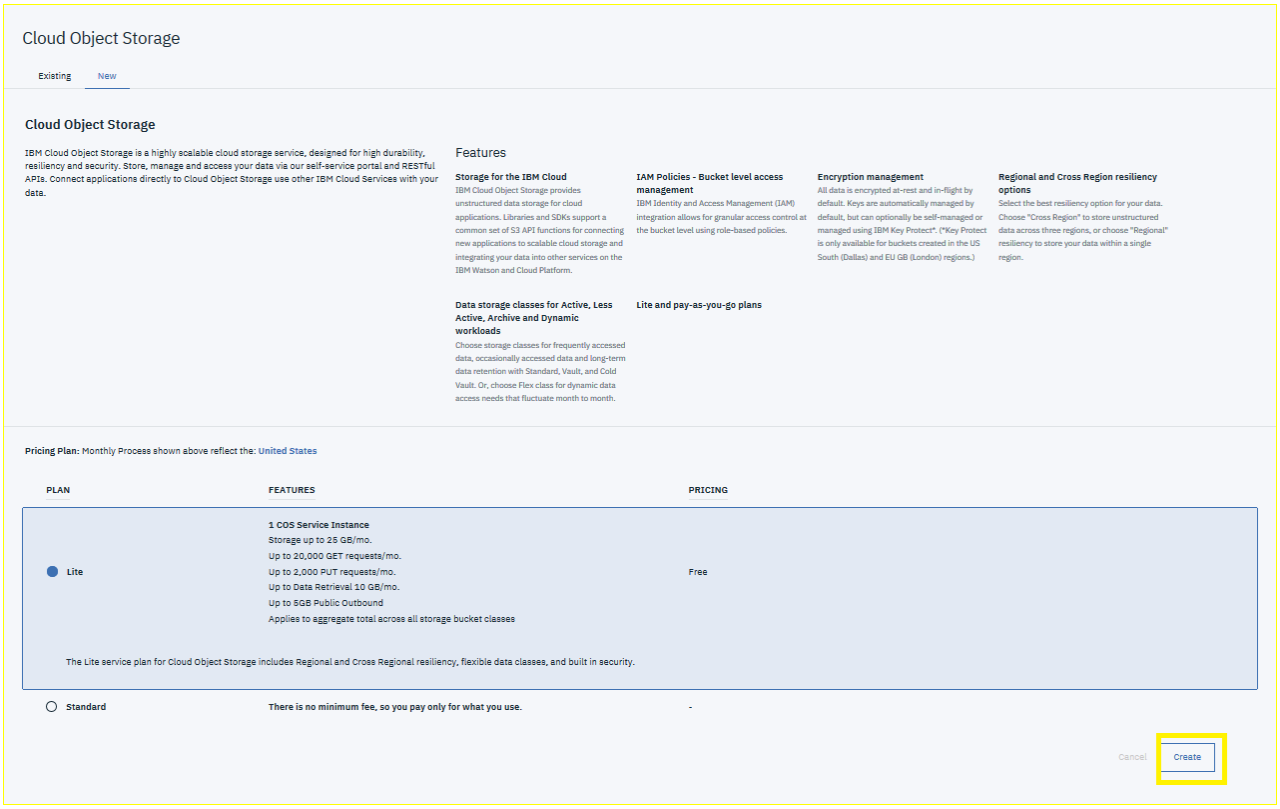


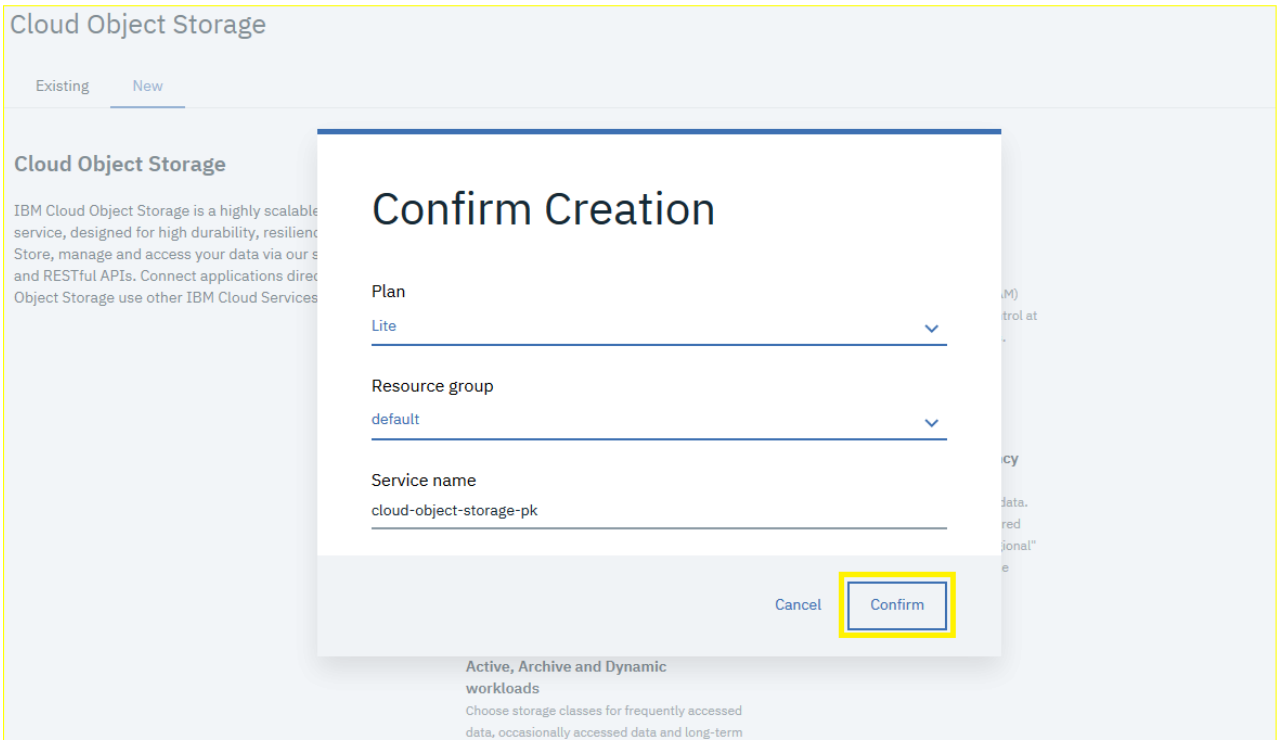
From the project Detail window, You are required to create object storage service if you don't have one.



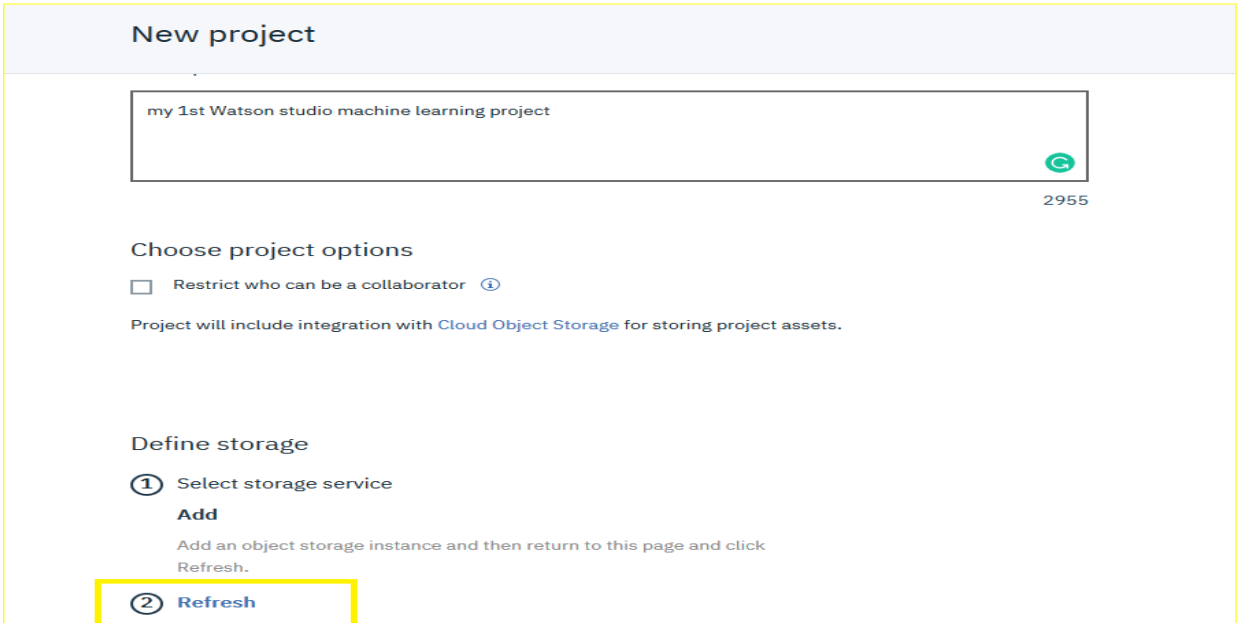
By clicking add from the above screen, it will take you to object storage page.

Creating an object storage

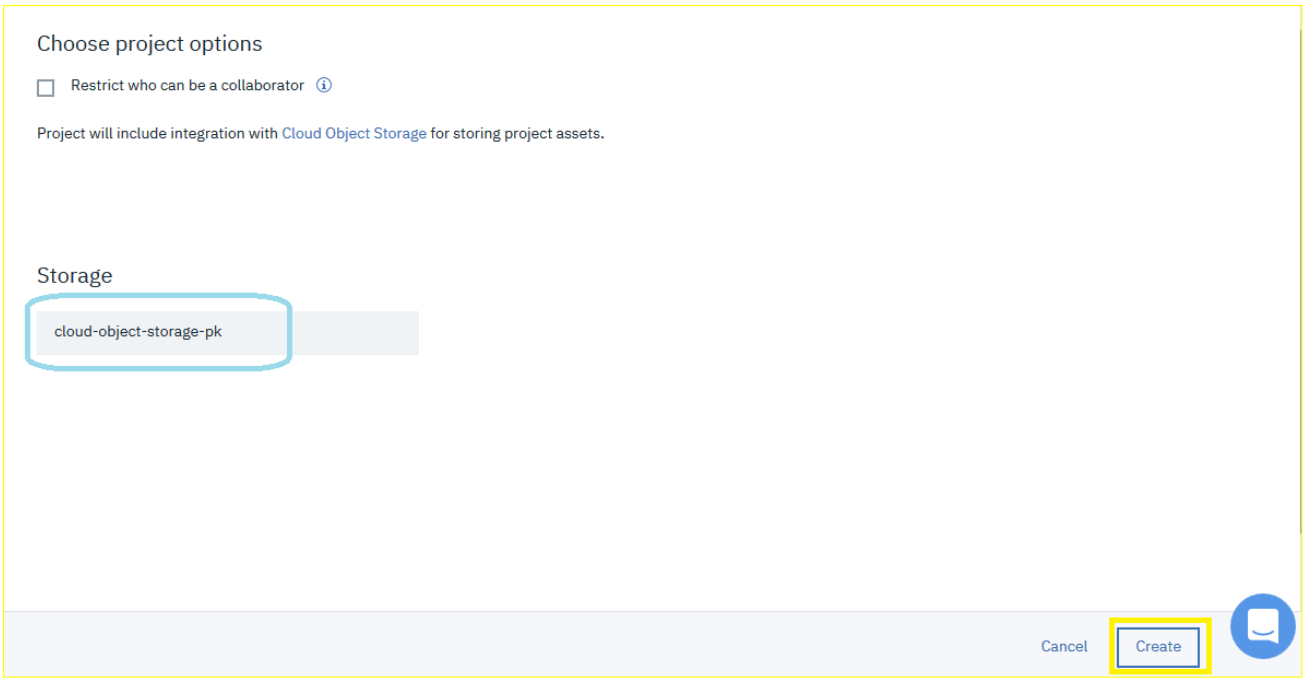




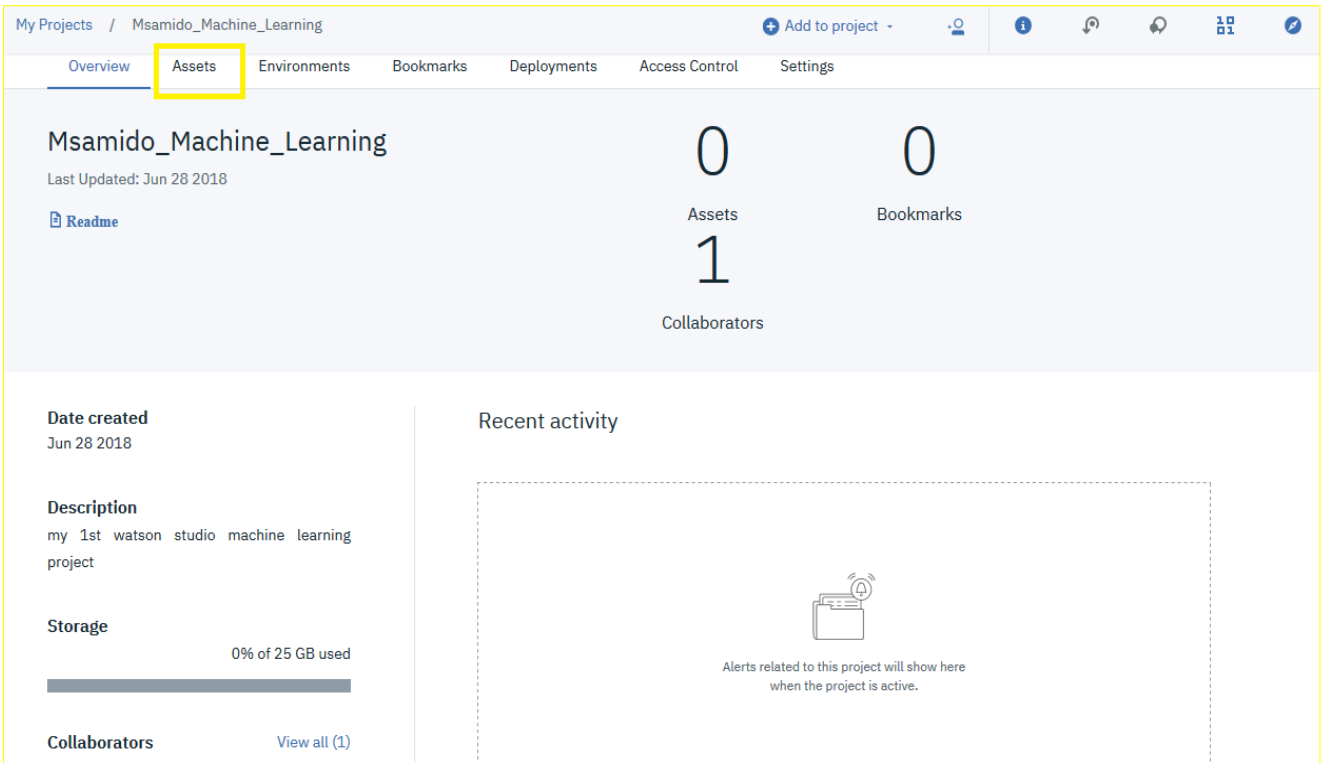
after adding object storage, click refresh



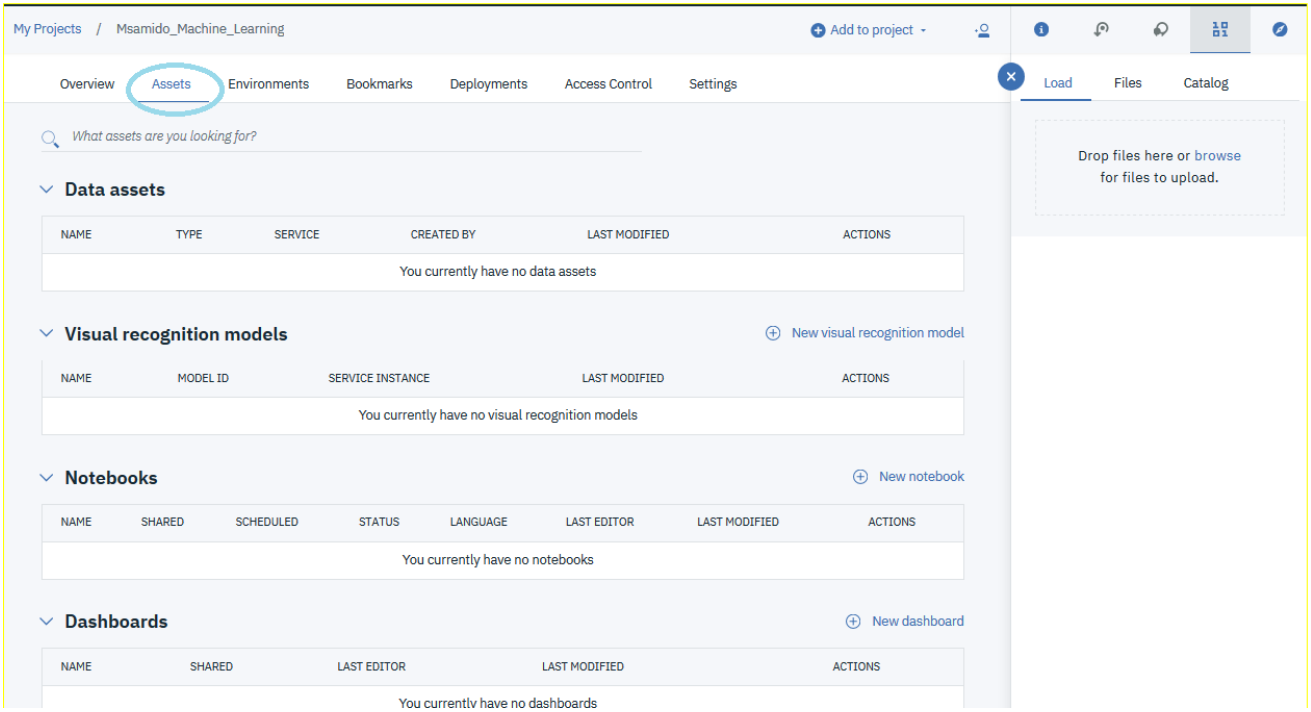
After adding object storage, **click** create

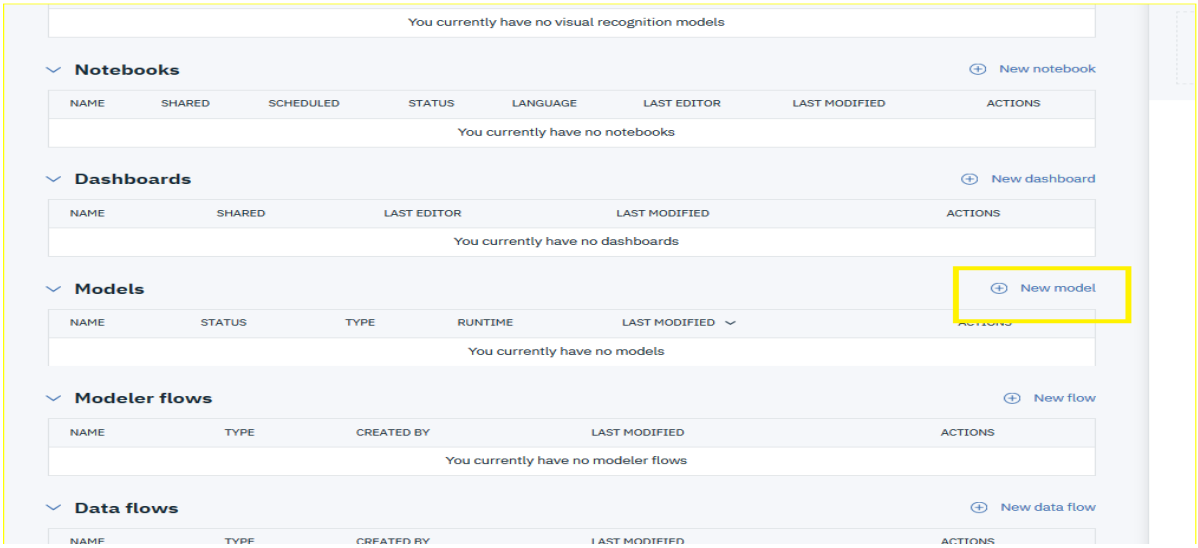


After creating project, you will be presented with overview page. **click** Assets



From assets, you scroll down, to create a new model

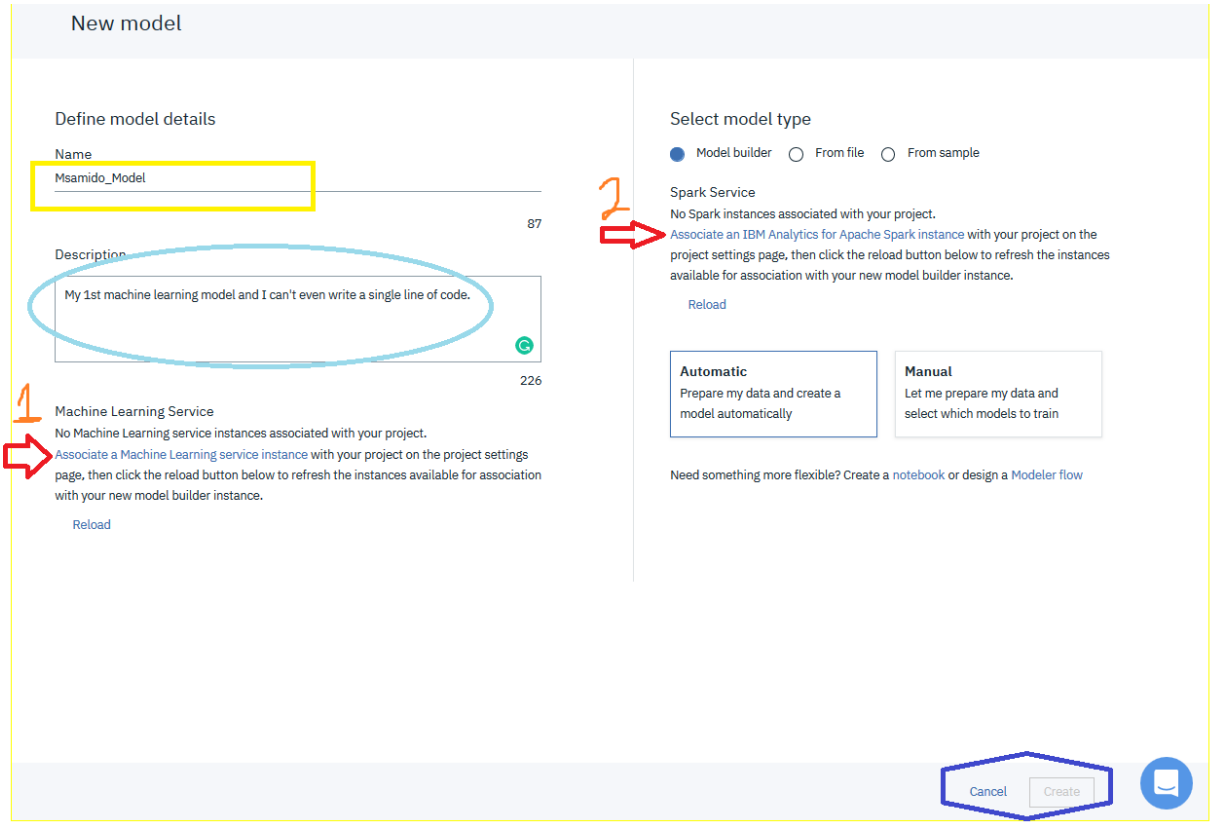




After creating a new model, you will be presented with the below page, to update model requirements.

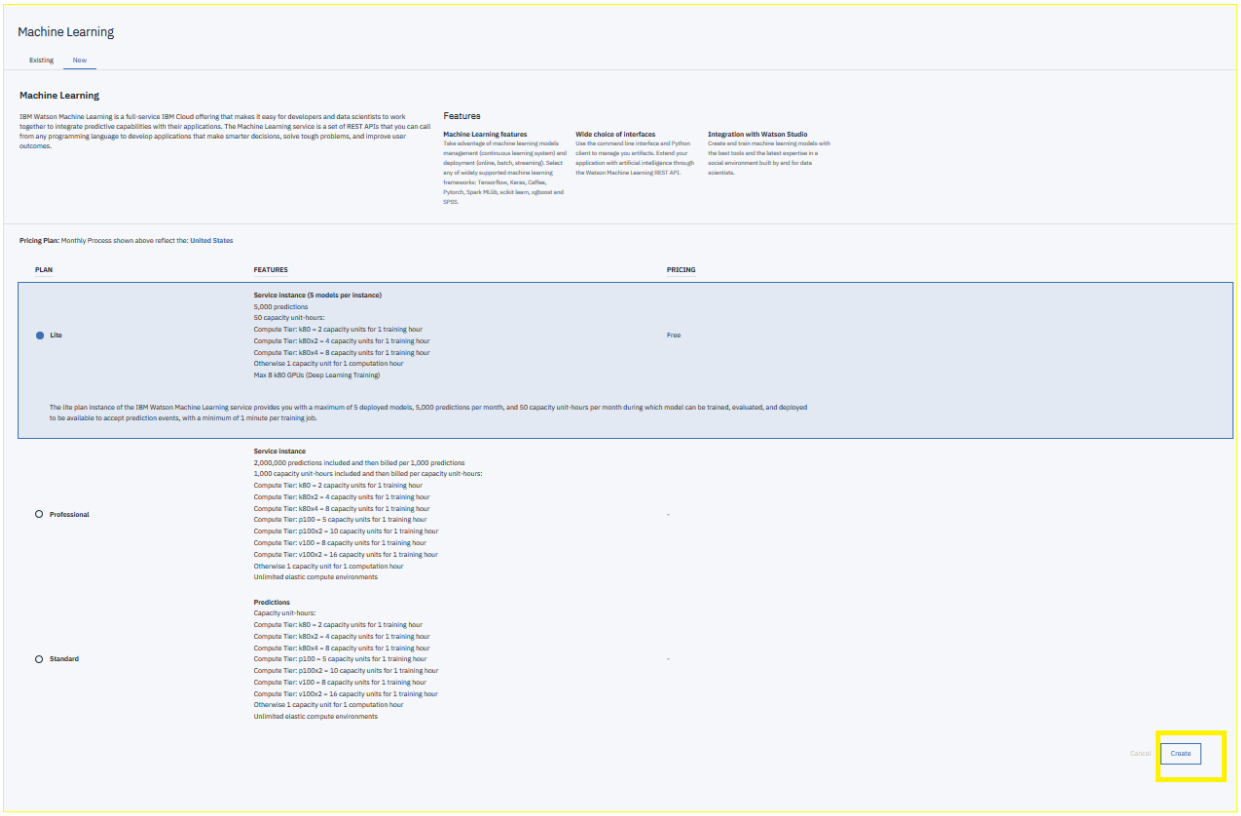
From the model, U will realize that you need two services which are:

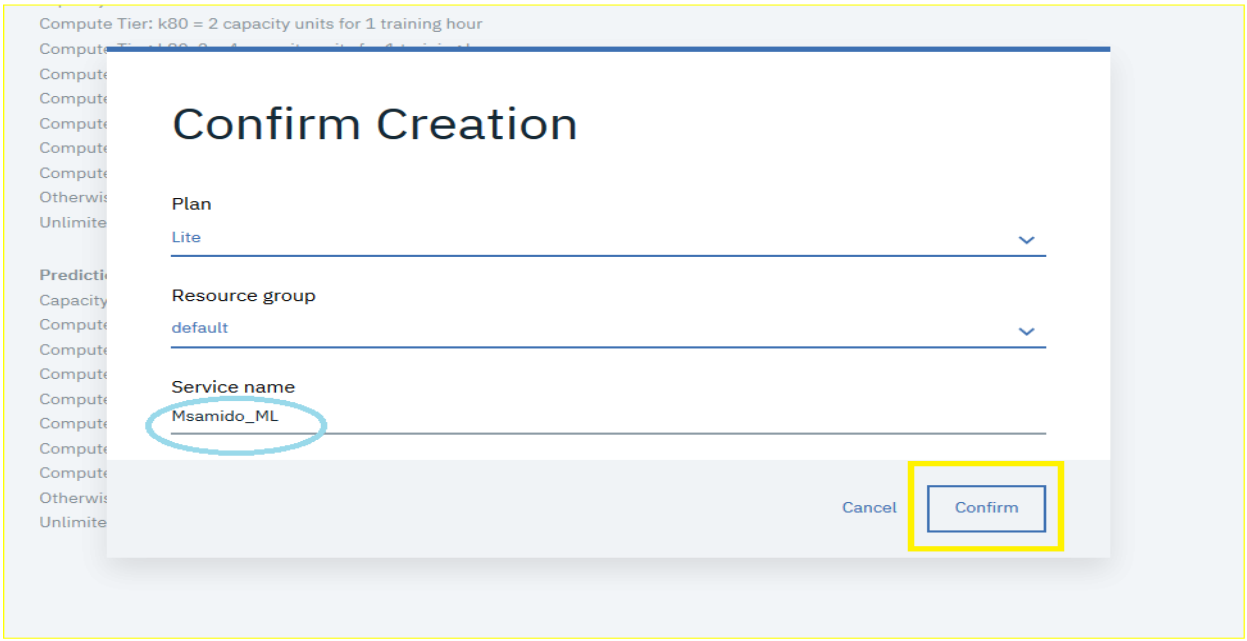
- Machine learning instance
- Spark analytics instance

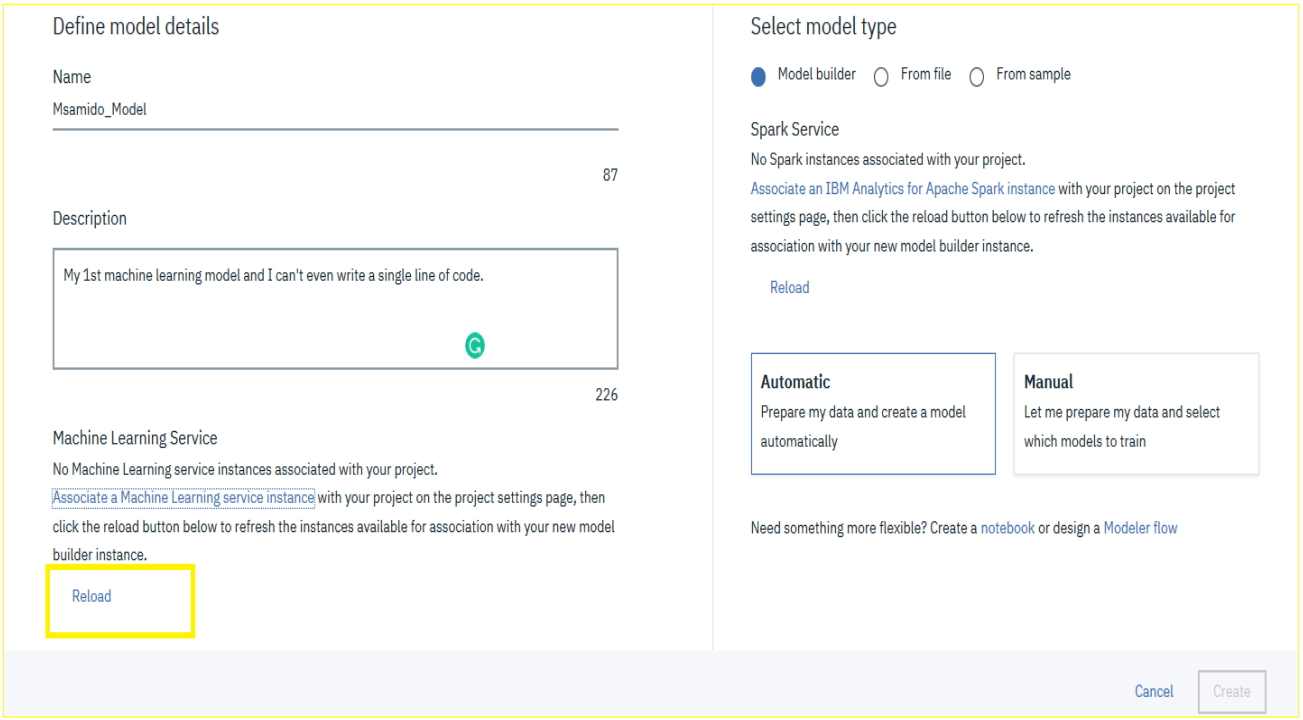


Creating a ML service

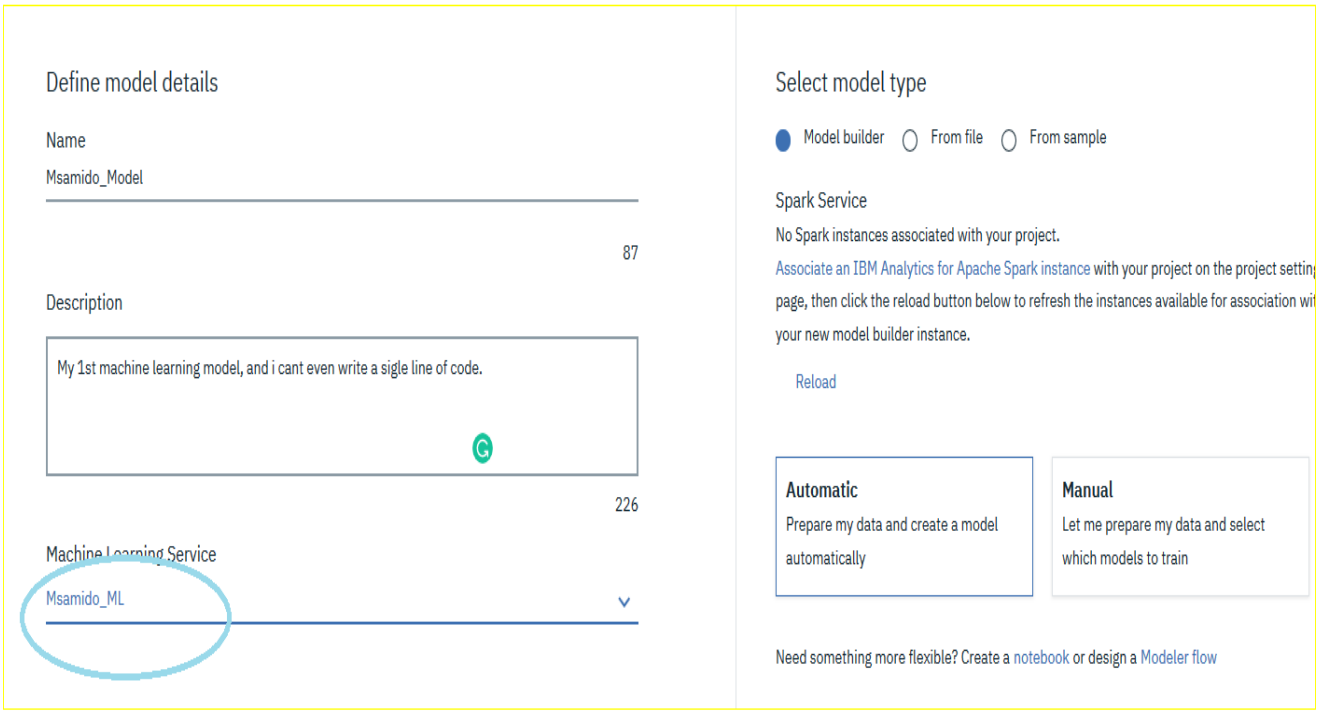
setting Up machine learning service





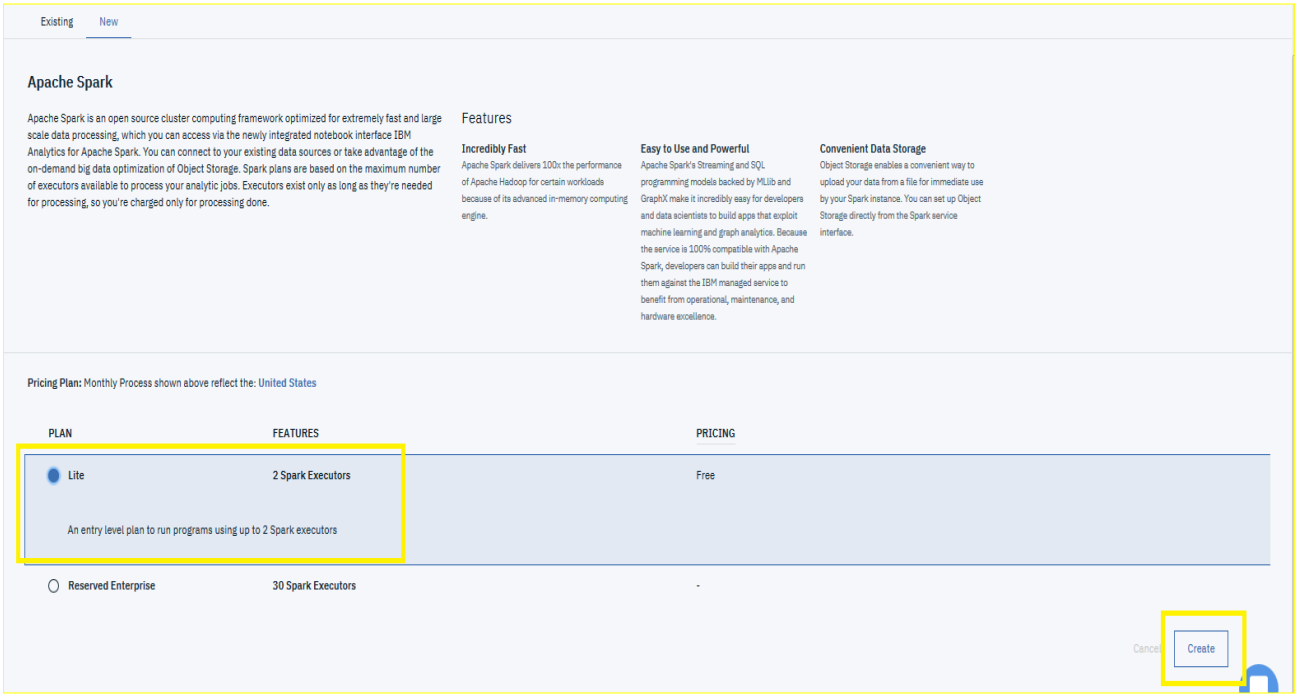


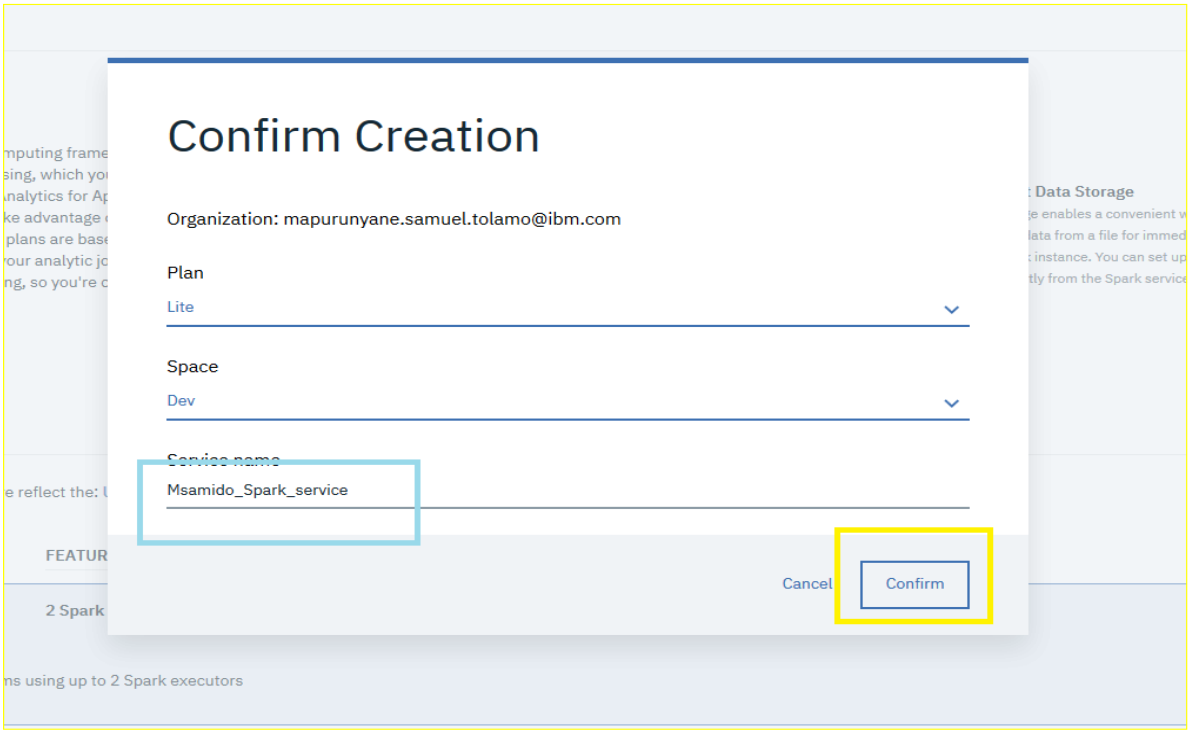
Click reload after creating machine learning service



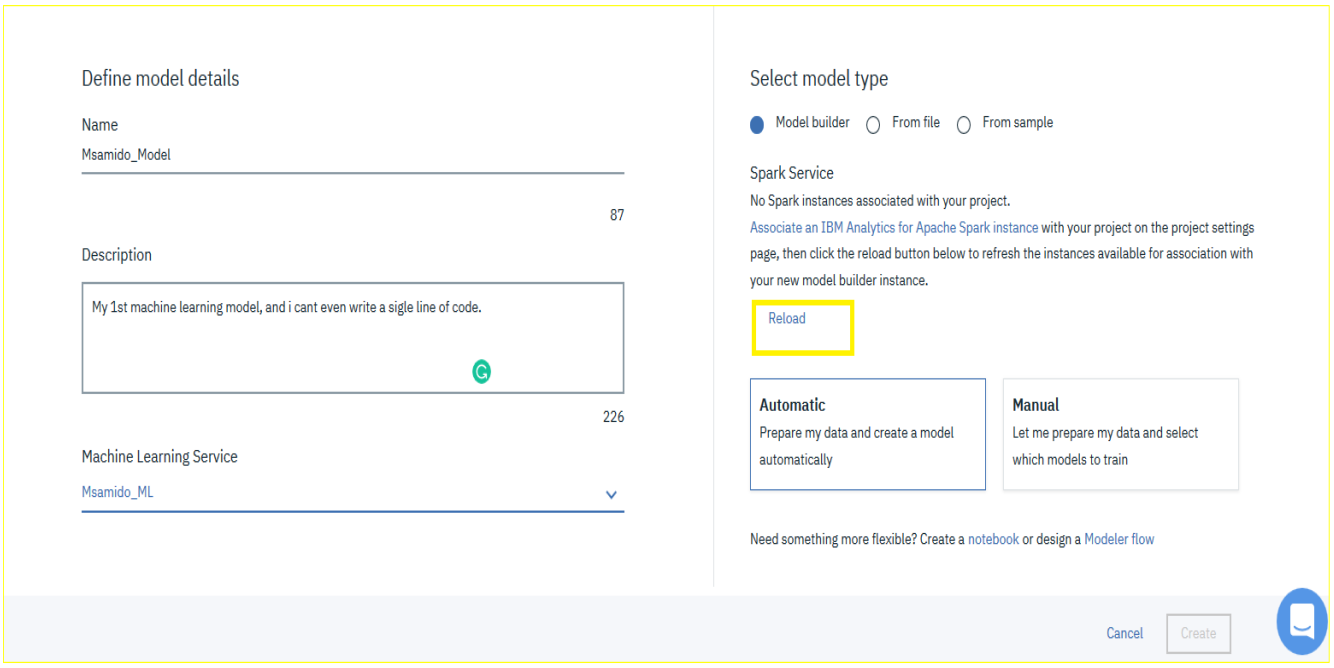
Creating an Apache service

- setting Apache spark service

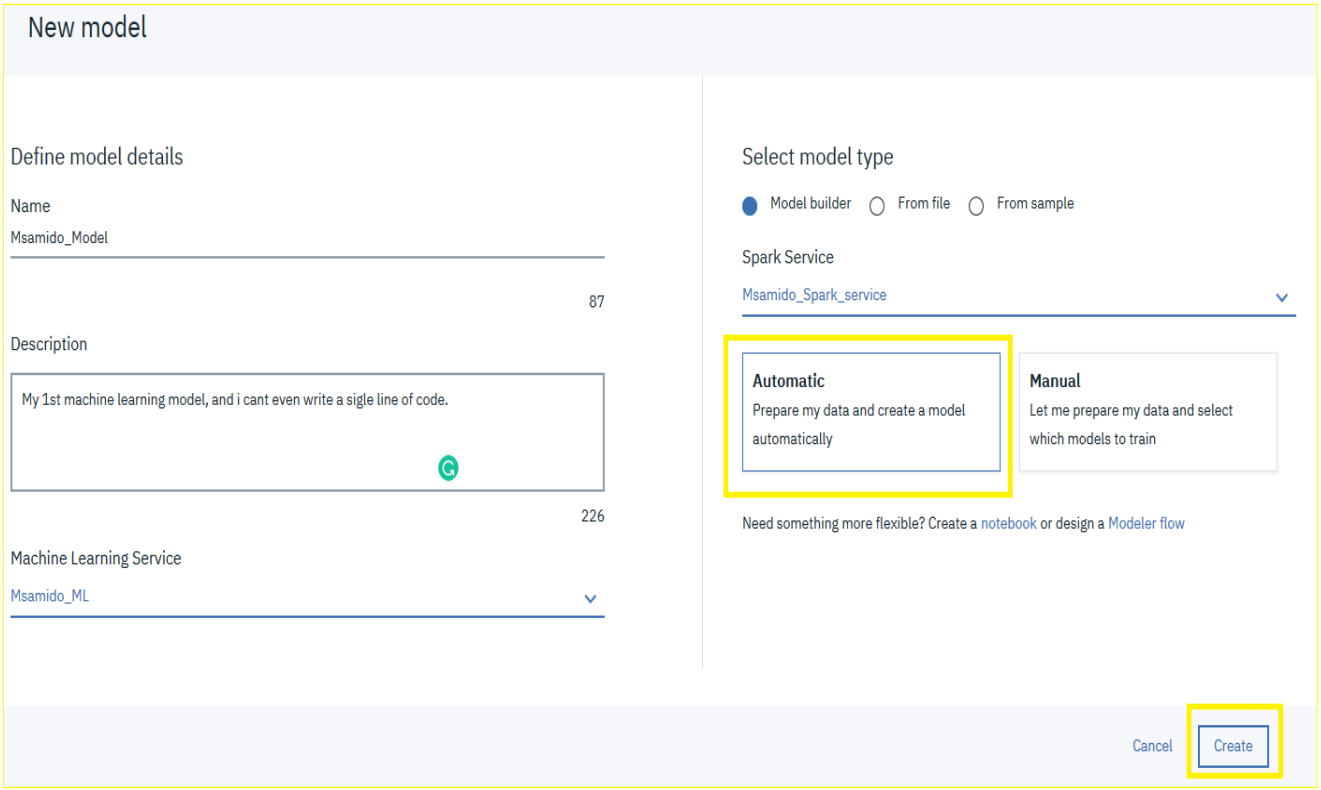




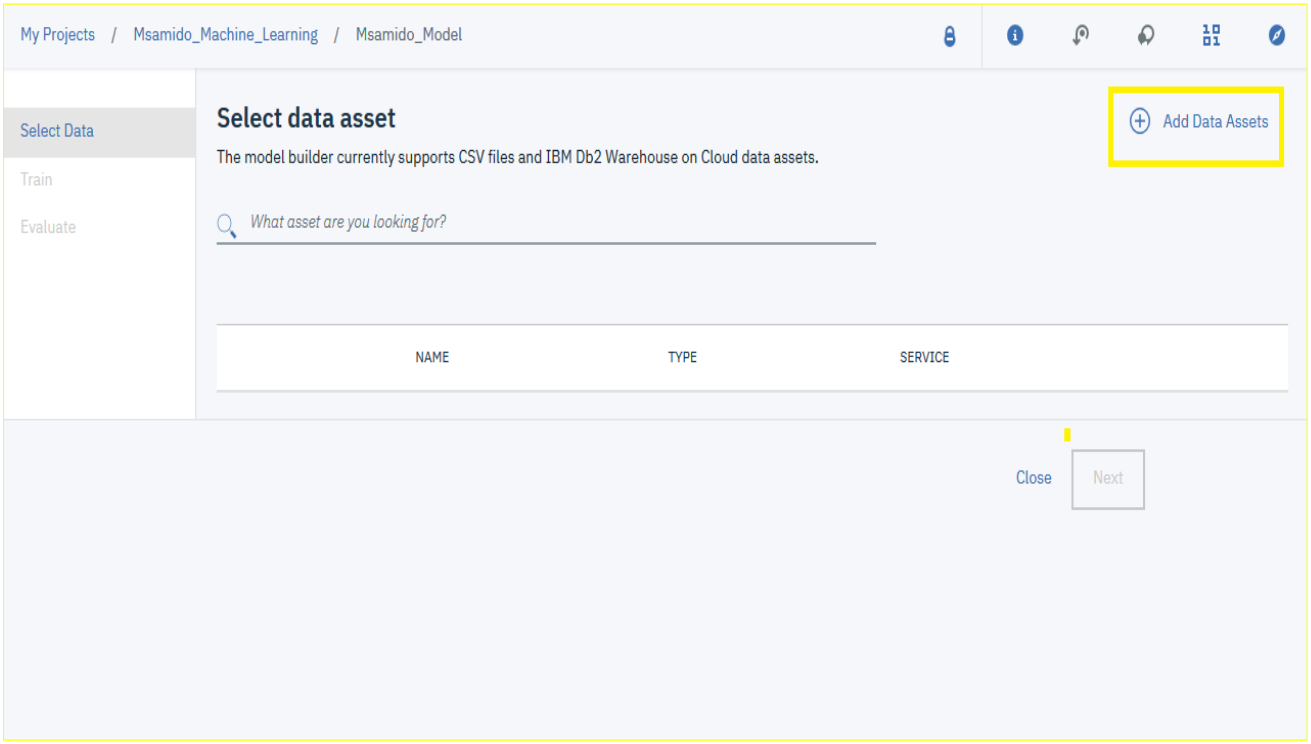
Reload after adding apache spark service



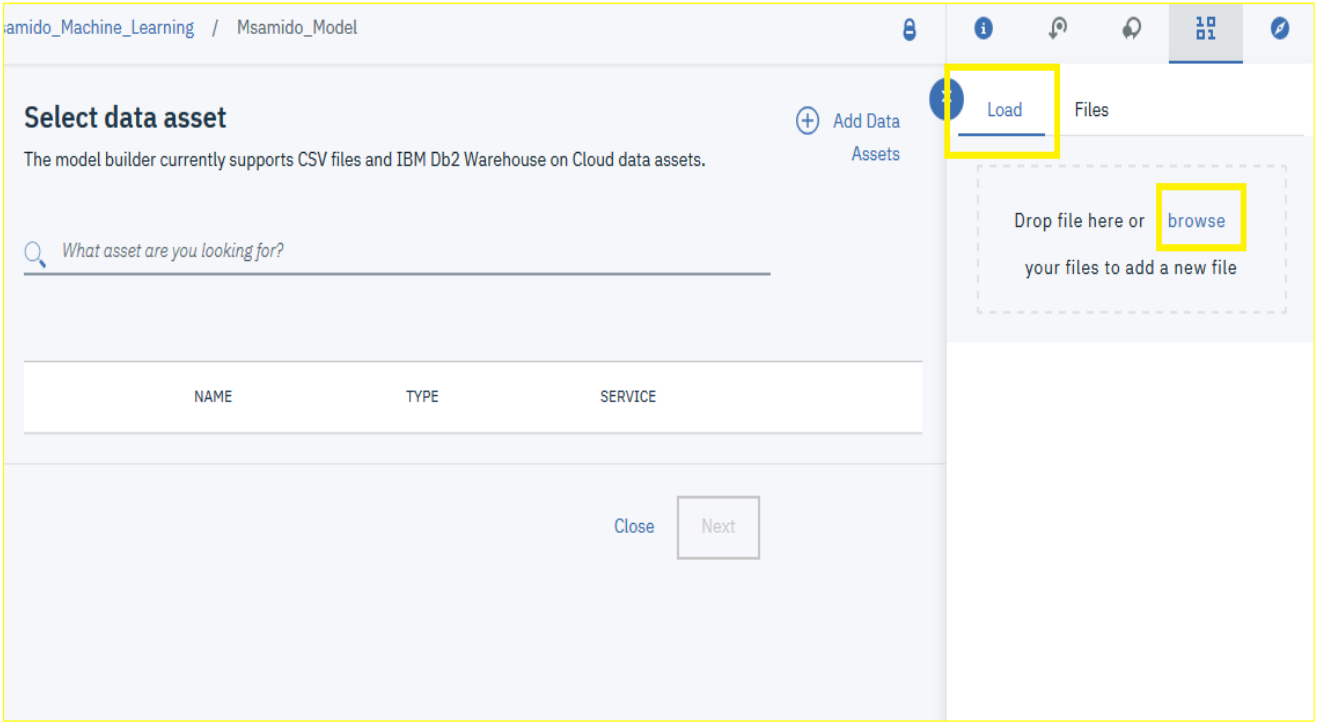
Button is now enabled, **click** Create, to create Your machine learning model.



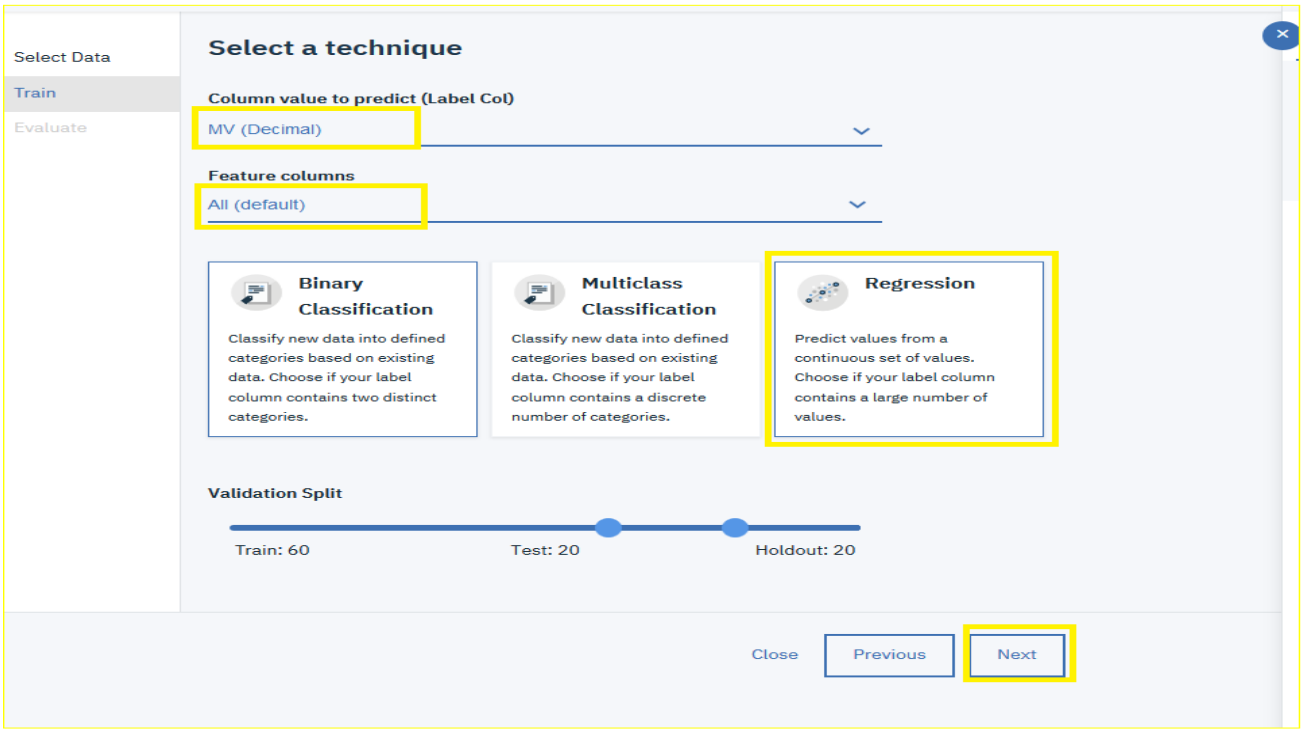
Adding dataset to a model



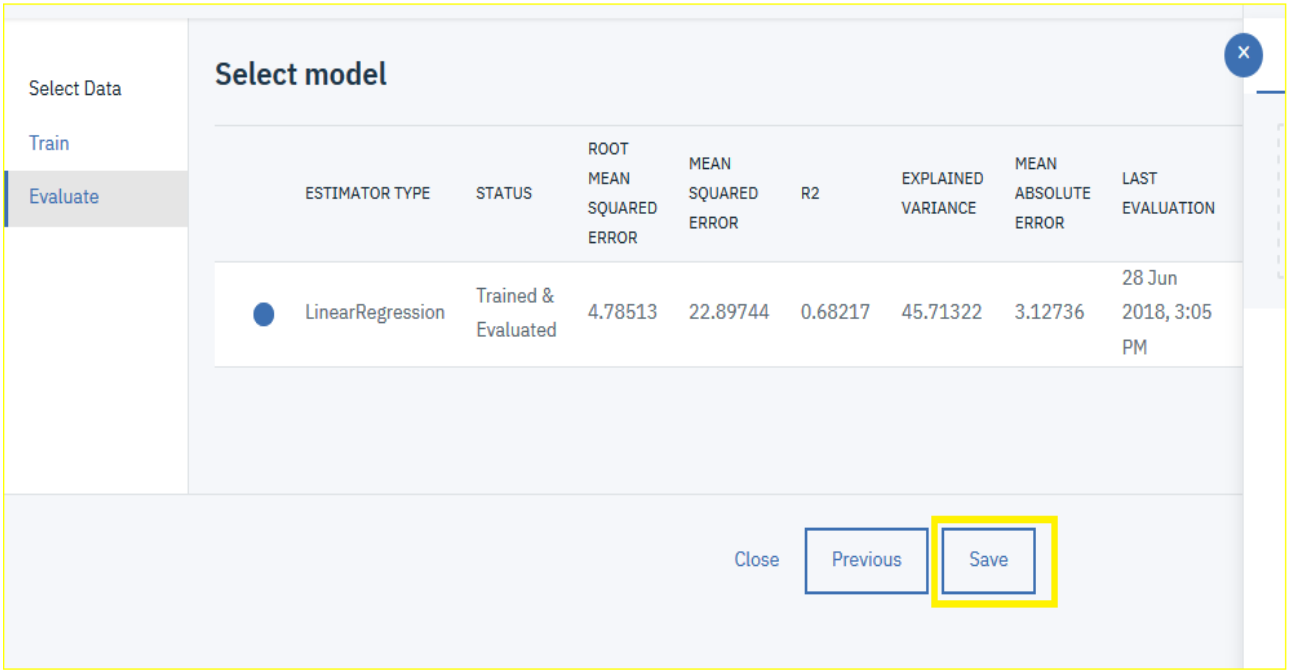
Browse dataset from your local machine.



create a machine learning model from the dataset, **note** in this project we will create a linear regression model since our data is continuous.



Wait for a model to train successfully, then **click** save



Msamido_Model

Overview | Evaluation | Deployments

Summary

Machine learning service	Msamido_ML
Model Type	wml-1.1
Runtime environment	spark-2.1
Training date	28 Jun 2018, 3:07 PM
Label column	MV
Latest version	a0462c07-d519-44b5-be52-af53b99b9212
Model builder details	View

Input Schema

COLUMN	TYPE
CRIM	decimal(31,6)
ZN	decimal(31,6)

Model deployment

We are going to deploy our model as web service.