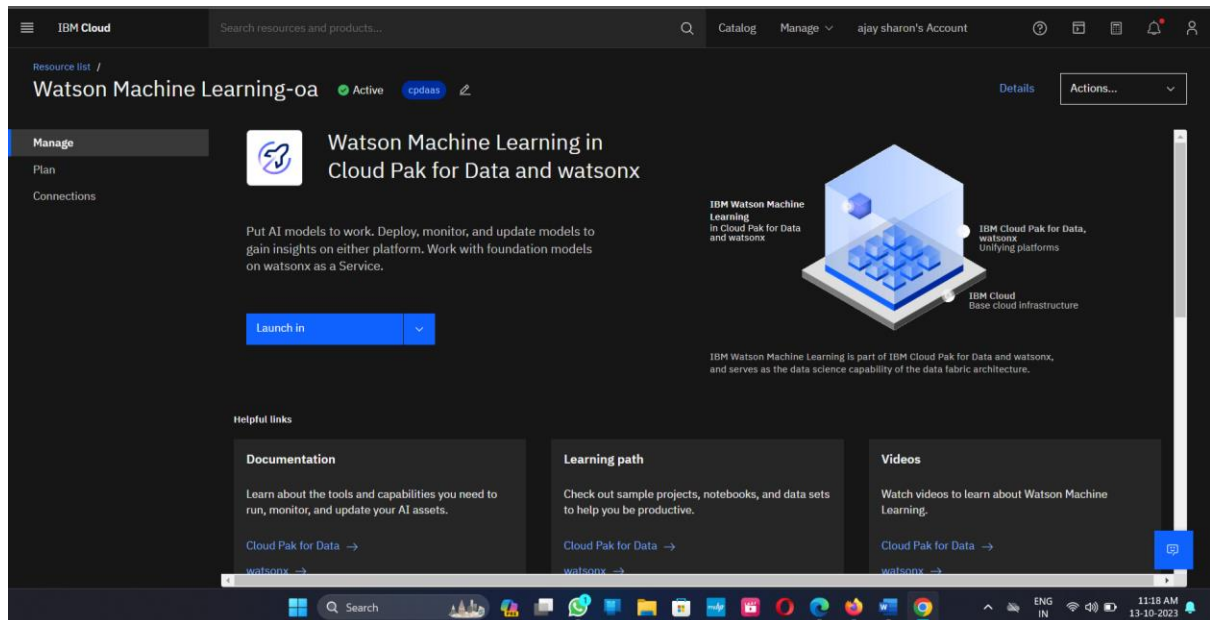


Project Title: Real-time Predictive Analytics with IBM Cloud Watson Studio

Phase 3: Development part 1

Step 1: log on to IBM cloud and launch in the Watson studio



We have already created and developed a model for the customer churn analysis the next stage of the project is the deployment phase

Step2: create deployment space

For creating the deployment we have to create the deployment space for our model, the deployment space can be easily created using the IBM Watsonx, it provides the deployment space, in this space we can deploy and test our trained model

To create the space we need to click the “NEW DEPLOYMENT SPACE” then fill in the necessary details

The example of the menu is given below:

Create a deployment space

Use a space to collect assets in one place to create, run, and manage deployments

Define details

Name

Deployment space name

Description (Optional)

Deployment space description

Deployment space tags (optional) ⓘ

Add a tag

Select services

Select storage service ⓘ

CloudObjectStorage

Select machine learning service (optional) ⓘ

Select a machine learning service

Upload space assets (optional)

Populate your space with assets exported from a project or space to a .zip file. You can add more assets after the space is created.

Drop .zip file here or browse your files to upload

Step3:add the model to deployment space

In this step we have to add the trained model for the deployment

It is very important that we have to select the machine learning deployment space for deploying our trained model for customer churn analysis

Deployments

1 space

New deployment space +

Activity

Spaces

Filter by: All spaces

Which deployment space are you looking for?

Name	Last modified	Your role	Collaborators	Tags	Type	Online deployments	Jobs
churn analysis	Oct 11, 2023, 2:09 PM	Admin	AB			1	0

Items per page: 20

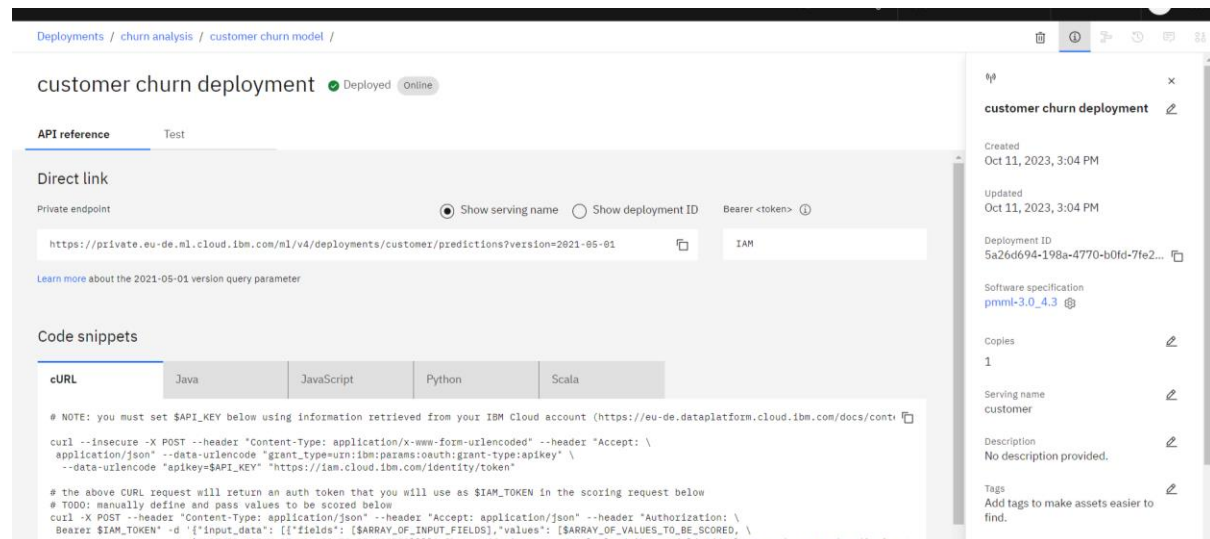
1-1 of 1 items

1 1 of 1 pages

Now we have added our model to the deployment, its necessary because in this space only we can test our model and check whether our model is performing well otherwise we can make changes to model and have to re deploy it

Step4:deployment of model

In this step we have to select the deployment space and deploy our model, after the deployment the status will be shown as online



This is the deployment menu, now we just deployed our model for run and now we have to test our model using the appropriate dataset

Step 5: testing the model

For testing our model we have to go to test menu in the deployment area

In this testing area we can give input to our model and analyze the output of the model and we can make necessary changes to our model

Deployments / churn analysis / customer churn model /

customer churn deployment Deployed Online

API reference Test

Enter input data

Text

JSON

Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB.

[Download CSV template](#) [Browse local files](#) [Search in space](#) [Clear all](#)

	ID (integer)	Gender (string)	Status (string)	Children (double)	Est Income (double)	Age (double)	LongDistance (double)	International (double)	Local (double)	Dropped (double)
1	Start typing or drag and drop a CSV file...									
2										
3										
4										
5										

0 rows, 13 columns

Predict

After the testing we can analyze the model performance using the analysing tools