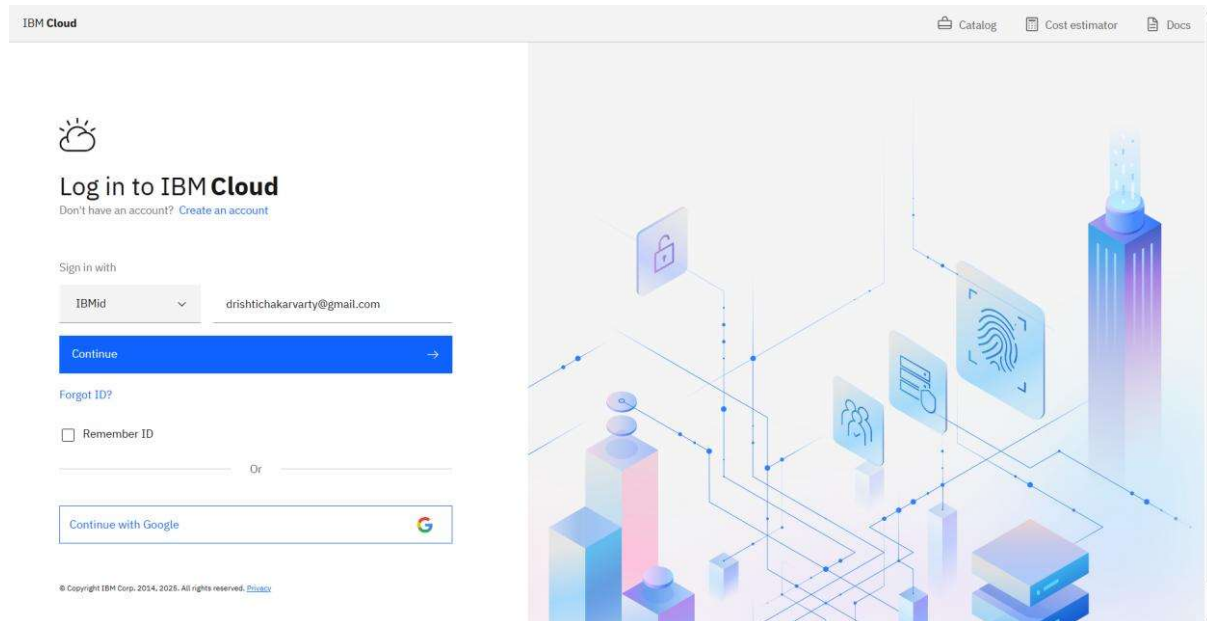
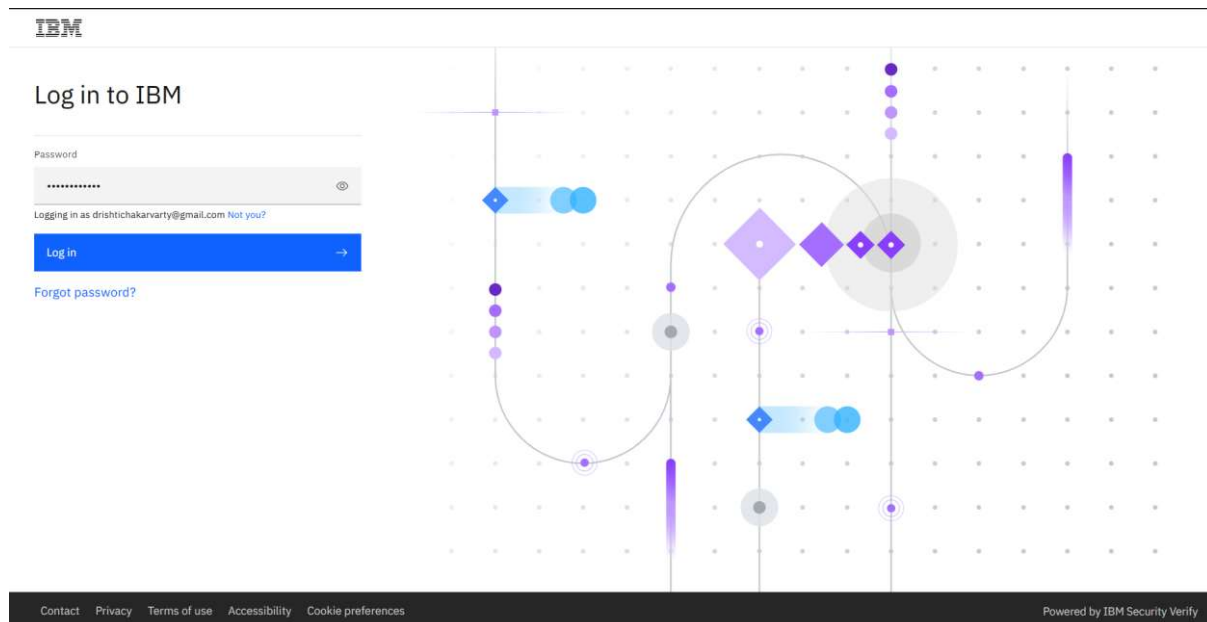


# Agentic AI on IBM Cloud

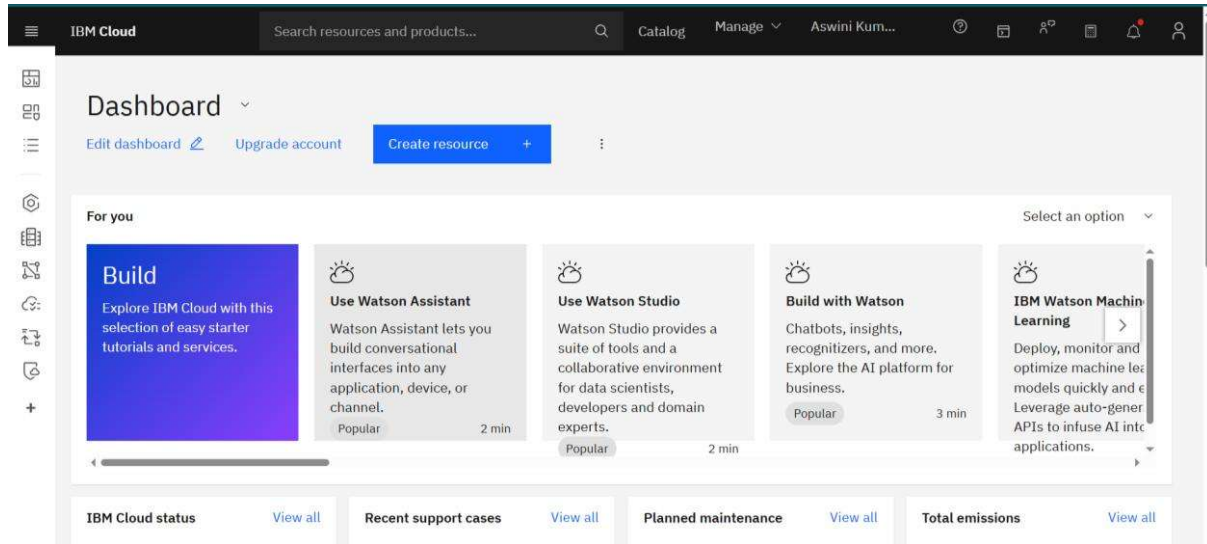
**Step1: Open IBM Cloud login page using the link [cloud.ibm.com](https://cloud.ibm.com), enter your Gmail and click on Continue.**



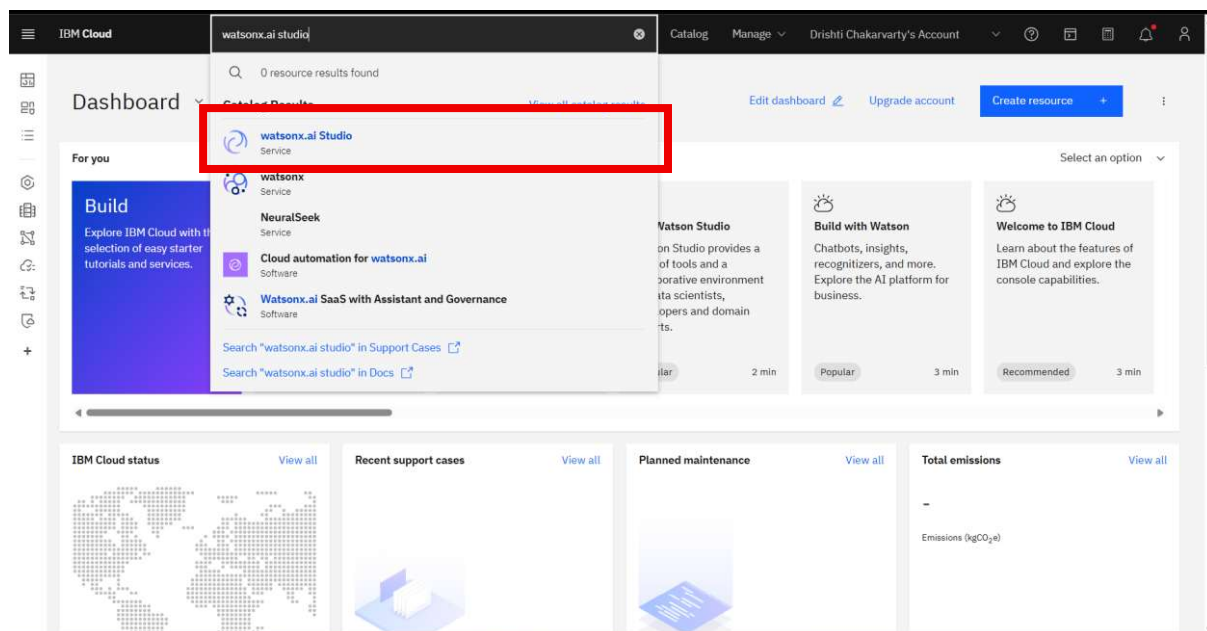
**Step2: Enter your password click on login.**



### Step3: IBM Cloud Dashboard.



### Step-4 Now click on the Search bar and write "Watsonx.ai Studio".



## Step-5 Now select the Region as London and then click on Create.

IBM Cloud

Search resources and products...

Catalog Manage Drihti Chakarvarty's Account

Catalog /

### watsonx.ai Studio

(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and industry-standard APIs and SDKs.

Create About

Type Service

Provider IBM

Last updated 05/06/2025

Category AI / Machine Learning

Compliance HIPAA Enabled IAM-enabled

Location Sydney (au-syd) Frankfurt (eu-de) London (eu-gb) Tokyo (jp-tok) Dallas (us-south) Toronto (ca-tor)

Related links

Select a location

London (eu-gb)

Select a pricing plan

Prices shown are for country or location: [United States](#)

Plan	Features and capabilities	Pricing
Lite	<b>1 authorized user</b> 10 capacity unit-hours monthly limit Environment = # of capacity units required per hour • 1 vCPU + 4 GB RAM = 0.5 • 2 vCPU + 8 GB RAM = 1 • 4 vCPU + 16 GB RAM = 2 • Decision Optimization + Watson NLP = Environment + 5 • Synthetic Data Generator, 2 vCPU + 8 GB RAM = 7 (requires watsonx.ai Runtime)	Free

☒ I have read and agree to the following license agreements:  
[Terms](#)

Create

Add to estimate

**Summary**

**watsonx.ai Studio** Free

Location: London (eu-gb)  
Plan: Lite  
Service name: watsonx.ai Studio-vr  
Resource group: Default

## Step-6 Now click on the Dropdown and then select IBM watsonx.

IBM Cloud

Search resources and products...

Catalog Manage Drihti Chakarvarty's Account

Resource list /

### watsonx.ai Studio-vr

Add tags

Details Actions

Manage

Plan

Launch in

IBM Cloud Pak for Data

IBM watsonx

**watsonx.ai Studio in Cloud Pak for Data and watsonx**

Build and deploy machine learning models on either platform. Work with foundation models on watsonx as a Service.

IBM watsonx.ai Studio in Cloud Pak for Data and watsonx

IBM Cloud Pak for Data, watsonx Unifying platforms

IBM Cloud Base cloud infrastructure

IBM watsonx.ai Studio is part of IBM Cloud Pak for Data and watsonx, and serves as the AI capability of the data fabric architecture.

Helpful links

**Documentation**

Learn about tools, features, and how to perform a wide variety of Data and AI tasks.

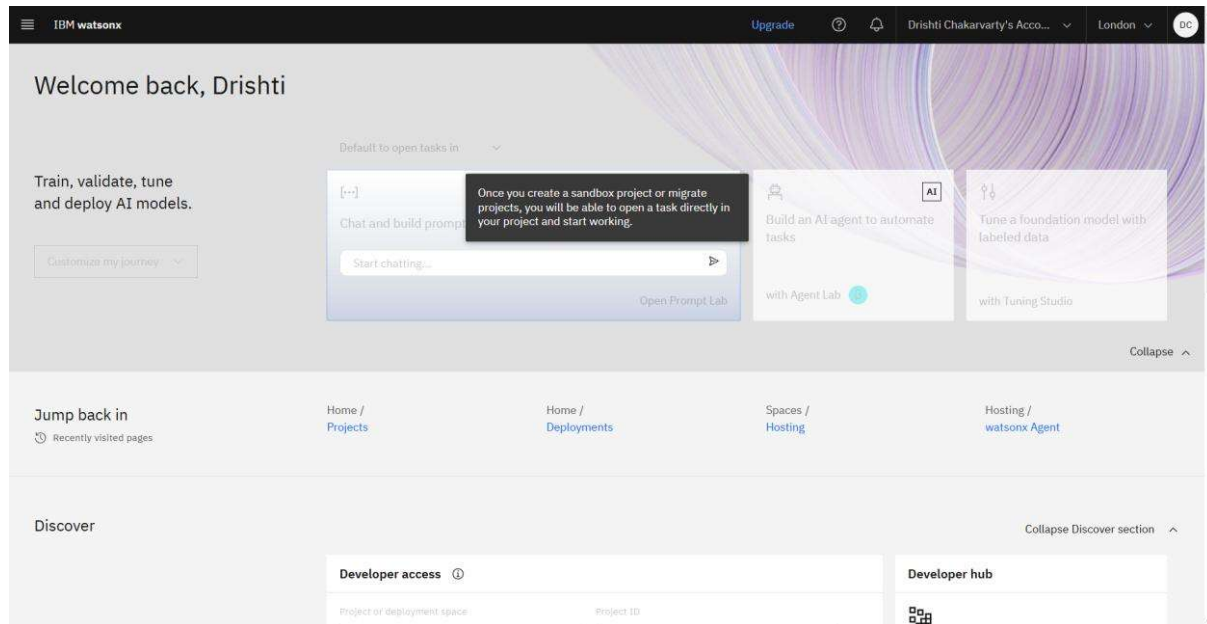
**Learning path**

Start a step-by-step tutorial to get up and running quickly.

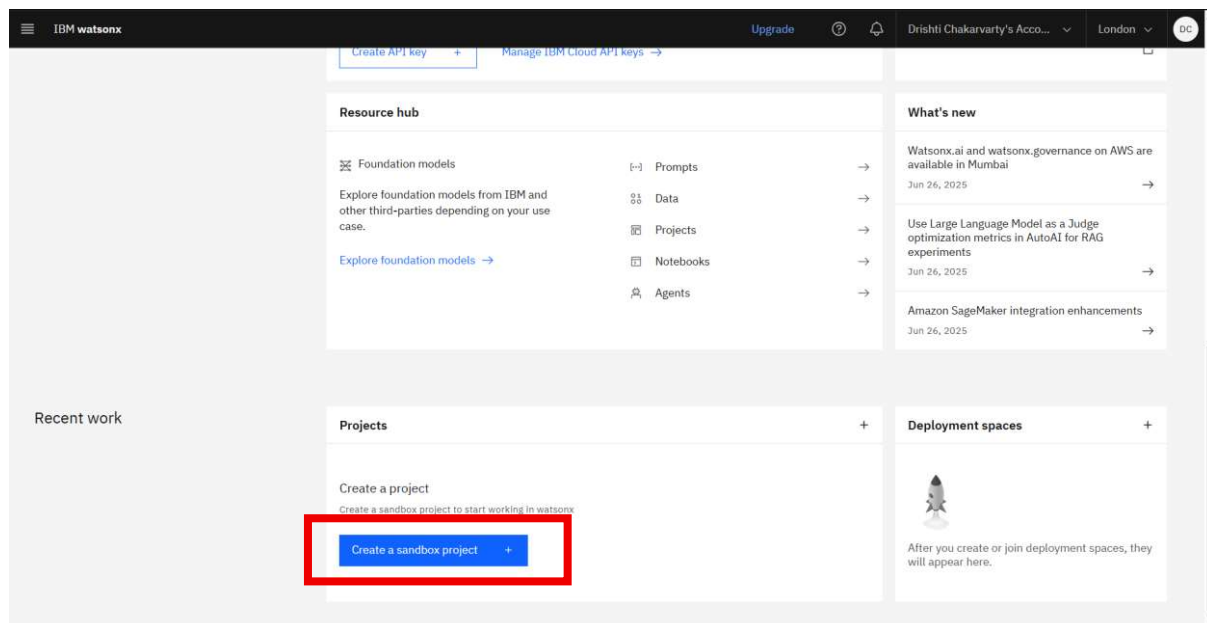
**Videos**

Watch videos to learn about watsonx.ai Studio.

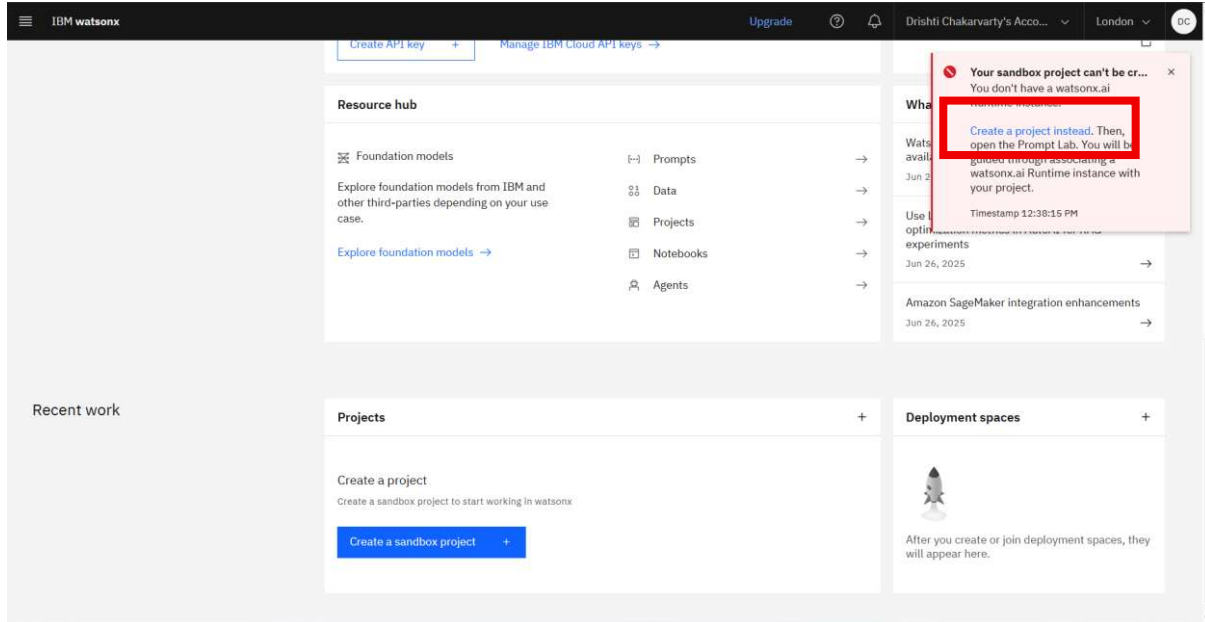
**Step-7 You will be redirected to this interface.**



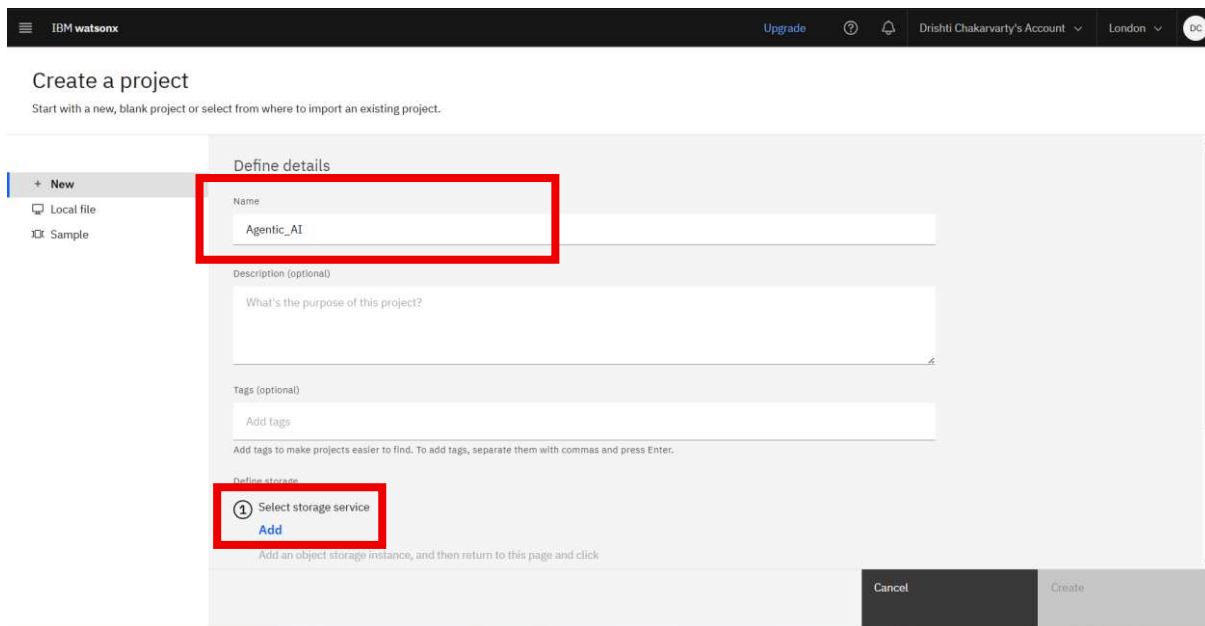
**Step-8 Scroll little bit up and then click on Create a Sandbox Project.**



**Step-9 Now click on Create a Project instead.**



**Step-10 Now give the name to your project and then click on Add to add the storage.**



**Step-11 Now create the Cloud Object Storage, make sure to select the lite plan and then click on Create.**

The screenshot shows the IBM Watsonx Cloud Object Storage pricing page. The 'Lite(deprecated)' plan is highlighted with a red box. The 'Create' button in the summary sidebar is also highlighted with a red box.

Plan	Features	Pricing
One-Rate	One-Rate Plan is a Pay-as-You-Go option with a single, flat monthly rate (\$/GB) that includes storage, API operations, retrieval, and outbound bandwidth—making it ideal for high-activity workloads with frequent access and data transfer, such as analytics, media, and web apps. The plan includes built-in allowances that scale with stored capacity and offers automatic volume discounts as usage grows	
Lite(deprecated)	Lite plan instance is free to use for Storage capacity up to 25 GB per month. Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality.  None  Lite plan services are deleted after 30 days of inactivity.	Free
Standard	Standard Plan is a flexible Pay-as-You-Go option with no minimum fee—ideal for workloads with large storage needs but low or infrequent access and outbound traffic. It includes a Free Tier with 5GB of Smart Tier storage for 12 months. Charges are based on actual usage, with separate billing for storage, outbound bandwidth, API operations, and data retrieval. Multiple storage classes help you optimize	

**Summary**

**Cloud Object Storage**

Region: Global  
Plan: Lite(deprecated)  
Service name: Cloud Object Storage-ly  
Resource group: Default

**Create**

**View terms**

**Cancel**

**Step-12 Now click on Refresh.**

The screenshot shows the IBM Watsonx 'Create a project' page. The 'Refresh' button is highlighted with a red box.

**Create a project**

Start with a new, blank project or select from where to import an existing project.

**+ New**

Local file

Sample

Tags (optional)

Add tags

Add tags to make projects easier to find. To add tags, separate them with commas and press Enter.

Define storage

① Select storage service

Add

Add an object storage instance, and then return to this page and click

**② Refresh**

Project includes integration with Cloud Object Storage for storing project assets.

Advanced settings

**Cancel** **Create**

## Step-13 Now click on Create. Your project has been successfully created.

IBM watsonx Upgrade ? Drishti Chakarvarty's Account London DC

### Create a project

Start with a new, blank project or select from where to import an existing project.

- + New
  - Local file
  - Sample

Project name: Agentic\_AI

Description (optional): What's the purpose of this project?

Tags (optional): Add tags

Storage: Cloud Object Storage-ijy

Advanced settings

Cancel Create

## Step-14 Now click on Manage.

IBM watsonx Upgrade ? Drishti Chakarvarty's Account London DC

Projects / Agentic\_AI

Overview Assets Jobs **Manage**

### Start working

Recommended

- Add users as collaborators
- Add data to work with
- Chat and build prompts with foundation models
- Tune a foundation model with labeled data

View all Collapse

#### Jump back in

Assets that you create with tools show here. See all assets, including data assets, on the Assets page.

View all

#### Resource usage

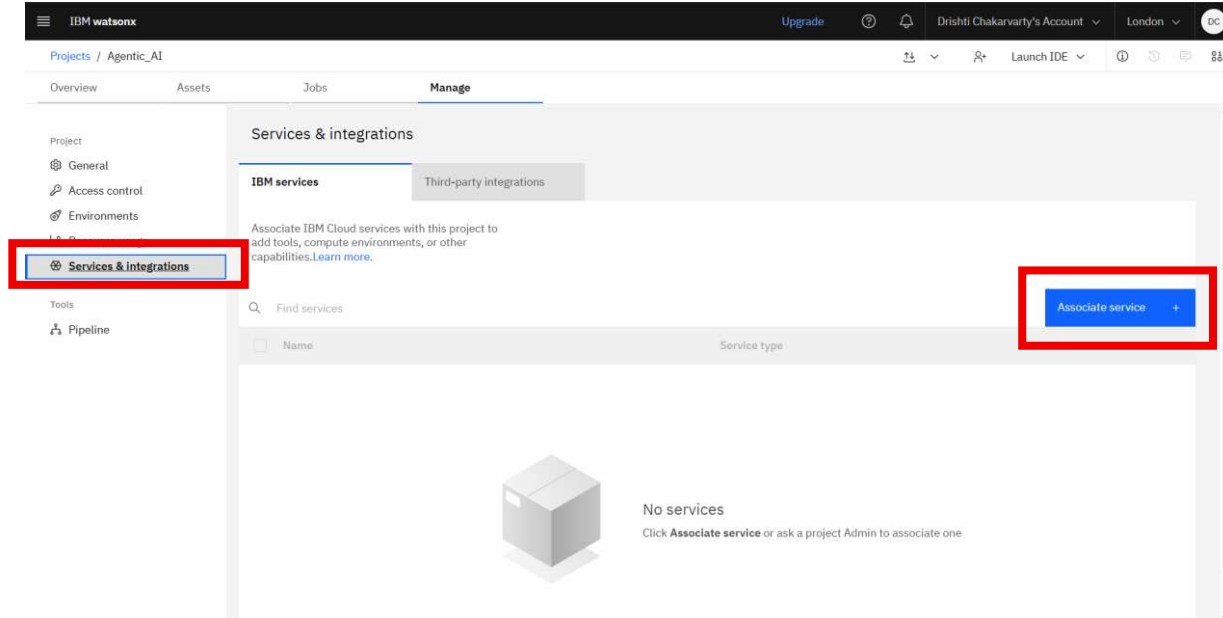
For this month in this project

- 0 CUH
- 0 Tokens
- 0 Hosting hours

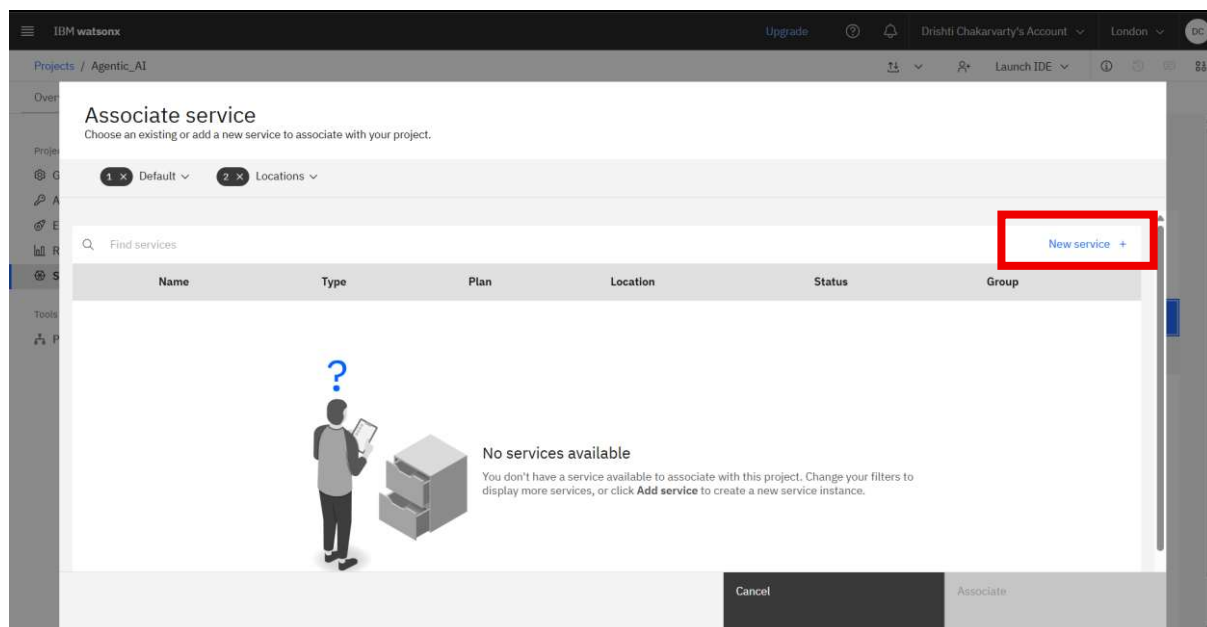
#### Project history

- You created project Agentic\_AI Today at 12:40 PM

## Step-15 Click on Services & Integrations and then click on Associate Service.

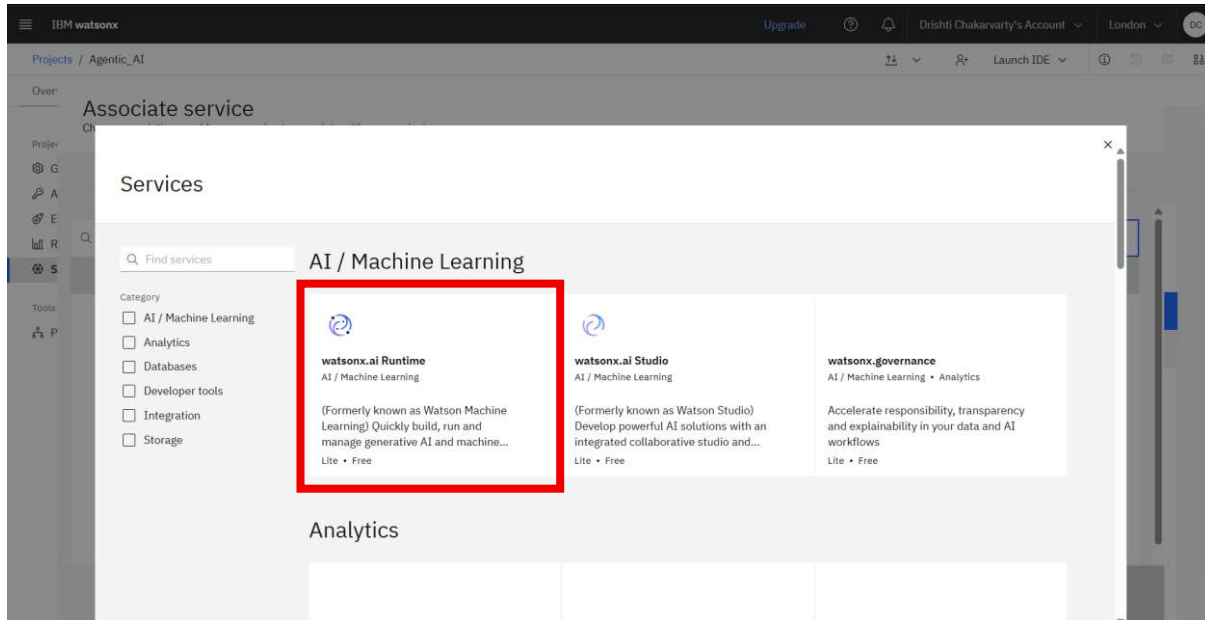


## Step-16 Now click on New Service.

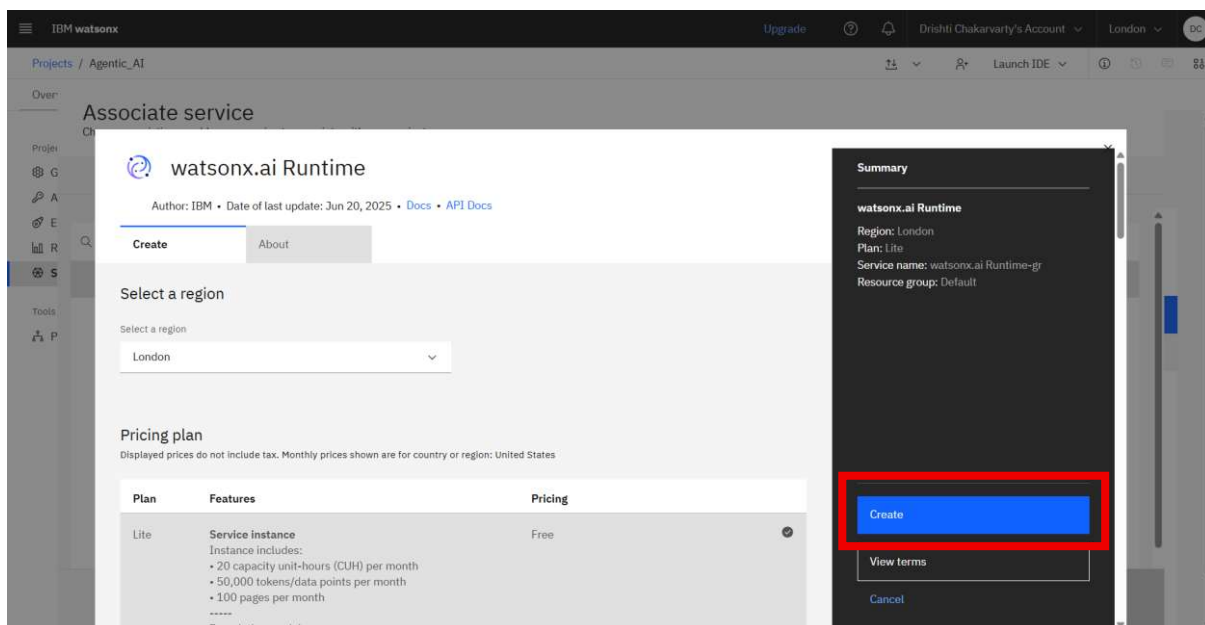




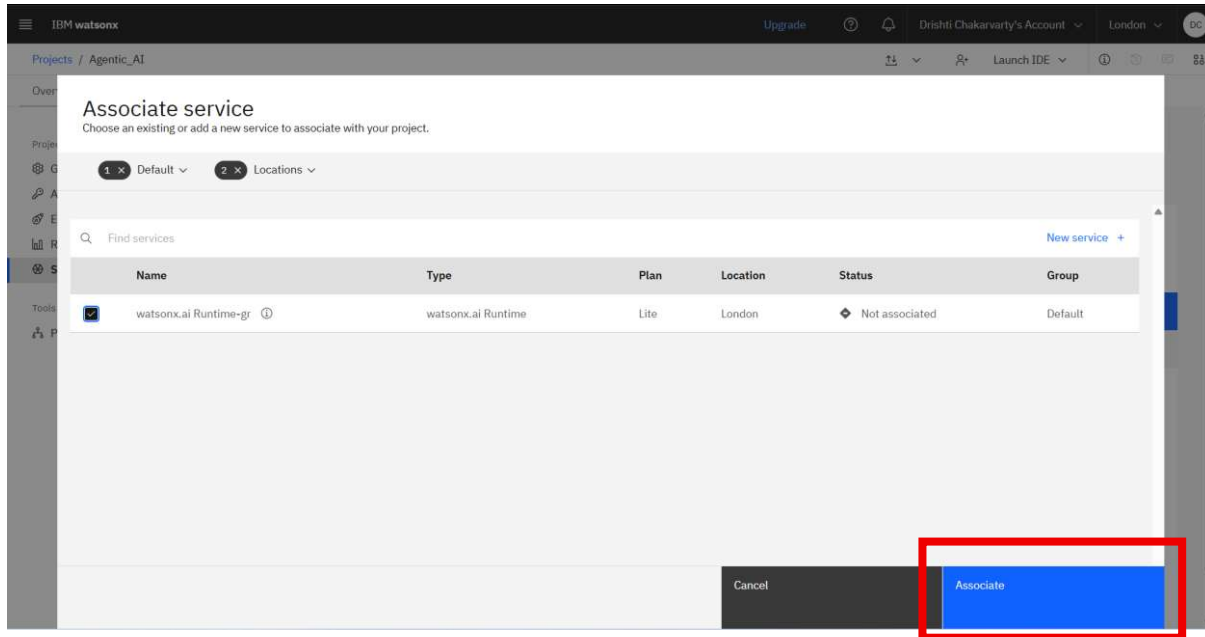
## Step-17 Now select the watsonx.ai Runtime.



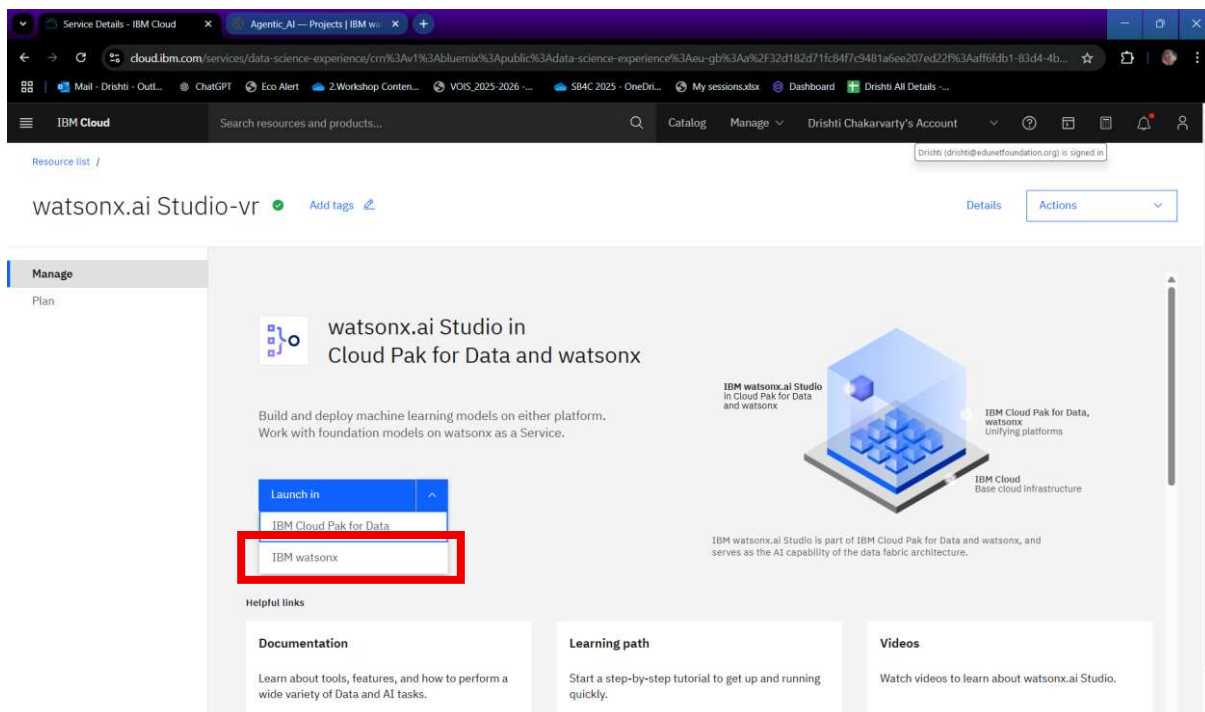
## Step-18 Click on Create.



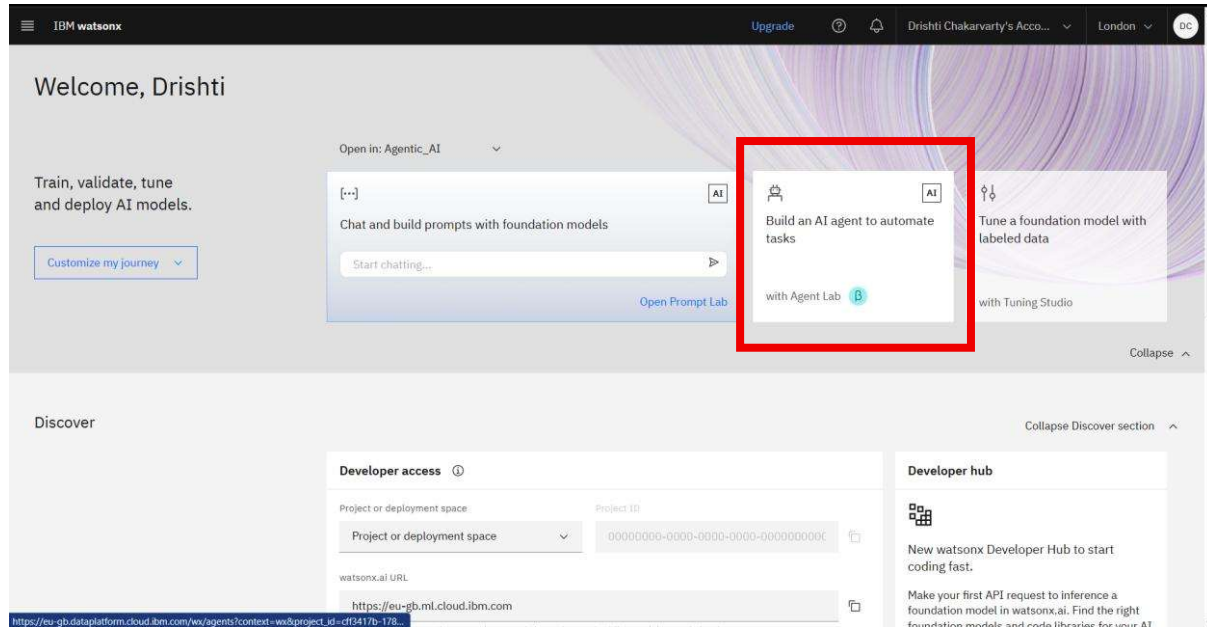
**Step-19 Select the created Runtime service and then click on Associate.**



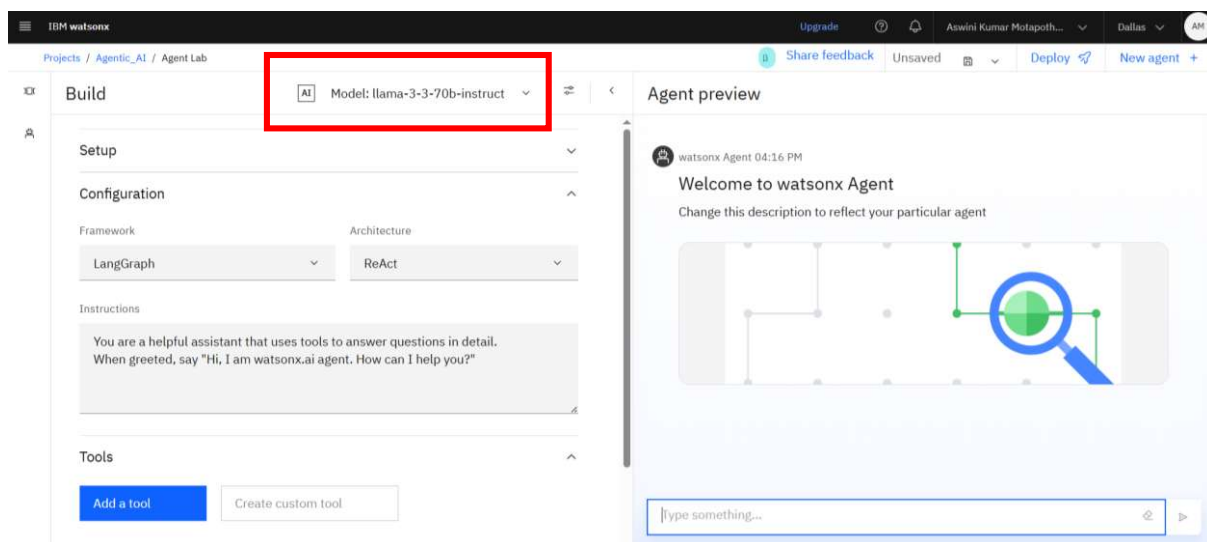
**Step-20 Now again go back to the previous tab and again click on IBM watsonx.**



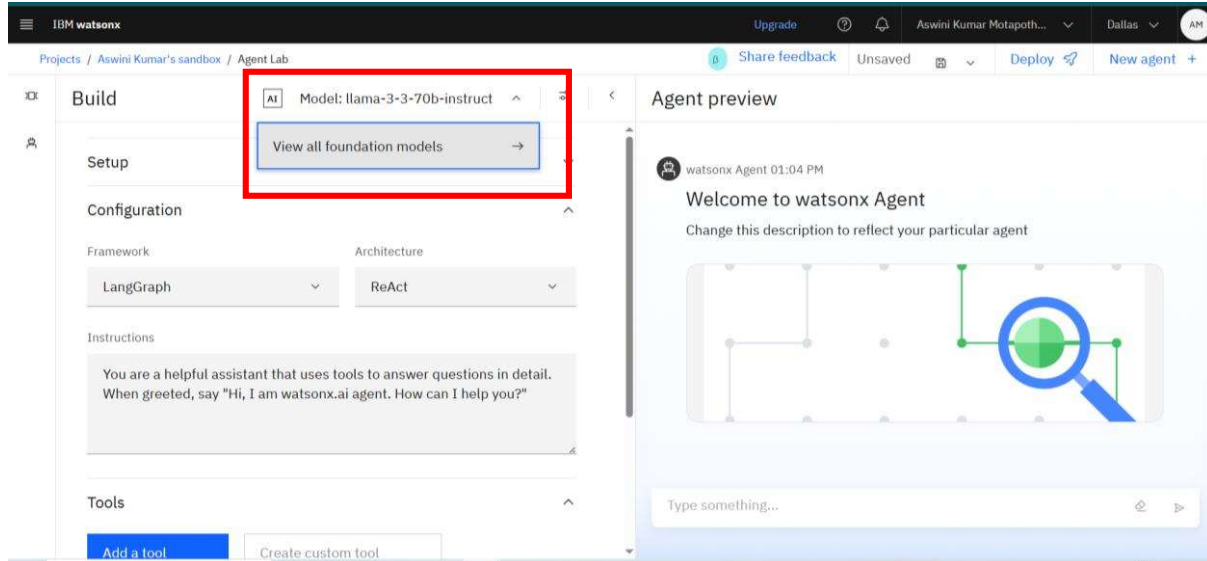
**Step-21 Now click on Build AI agent to automate tasks.**



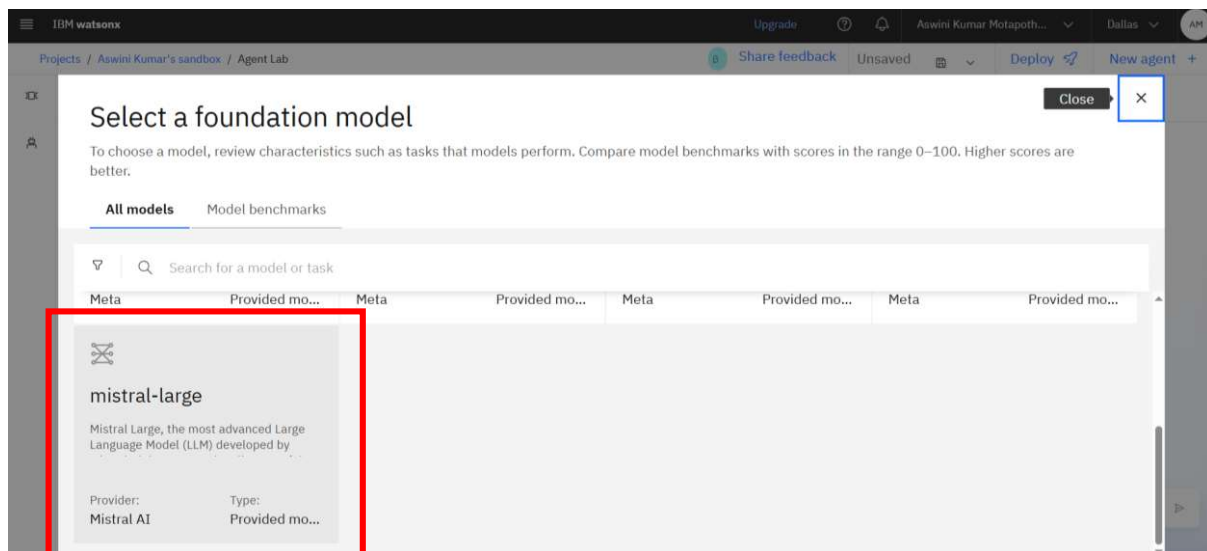
**Step-22 This is Watsonx Agent , now change the model here**



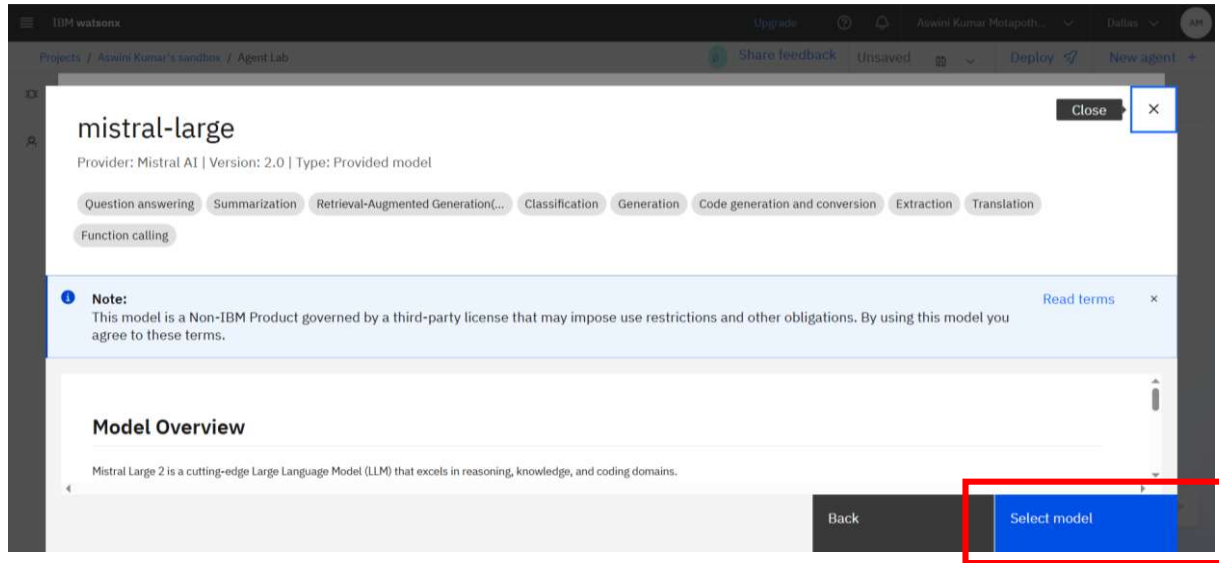
## Step-23 Click on “ View all foundation models” to change the model.



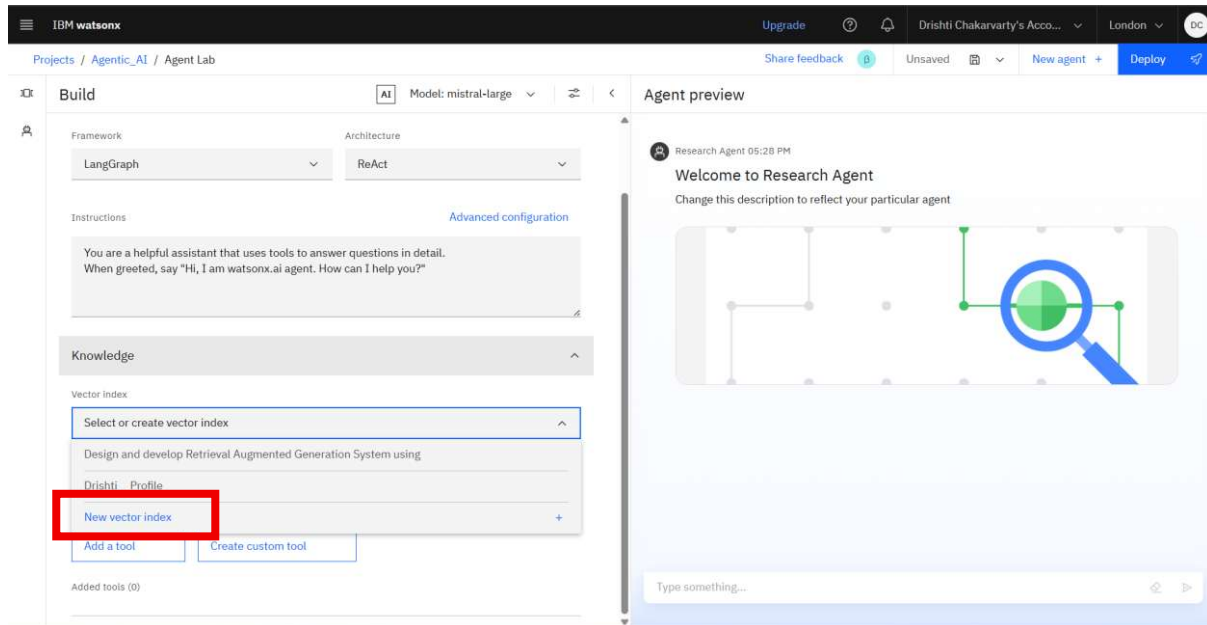
## Step-24 Now select mistral – large model .



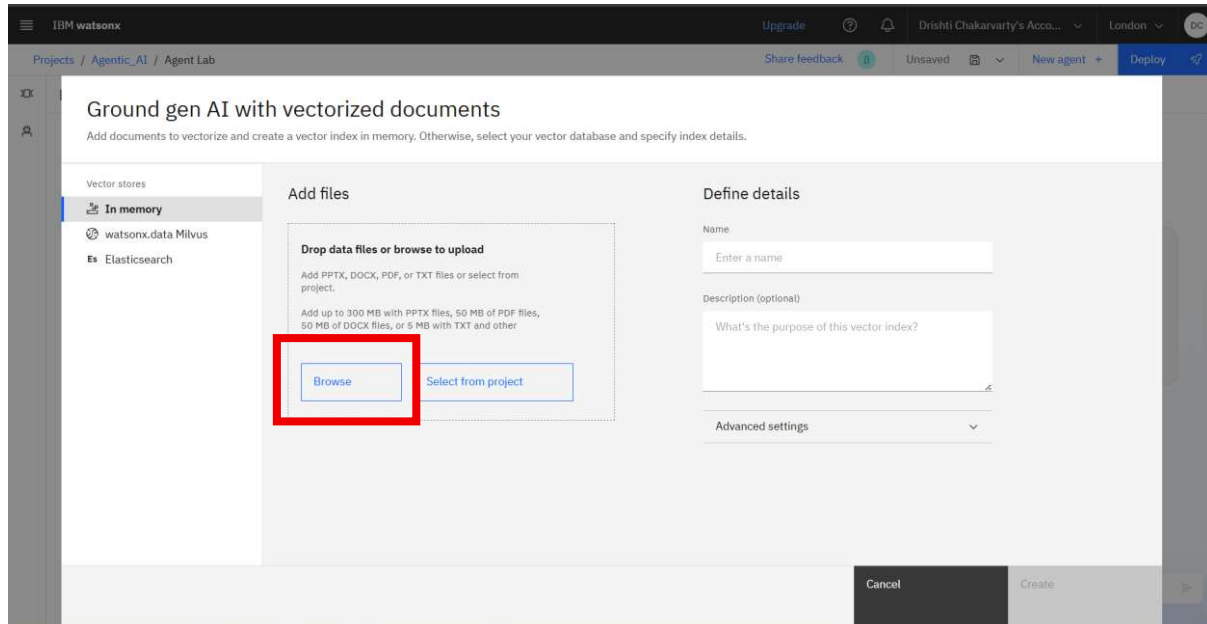
**Step-25 Now click on Select model .**



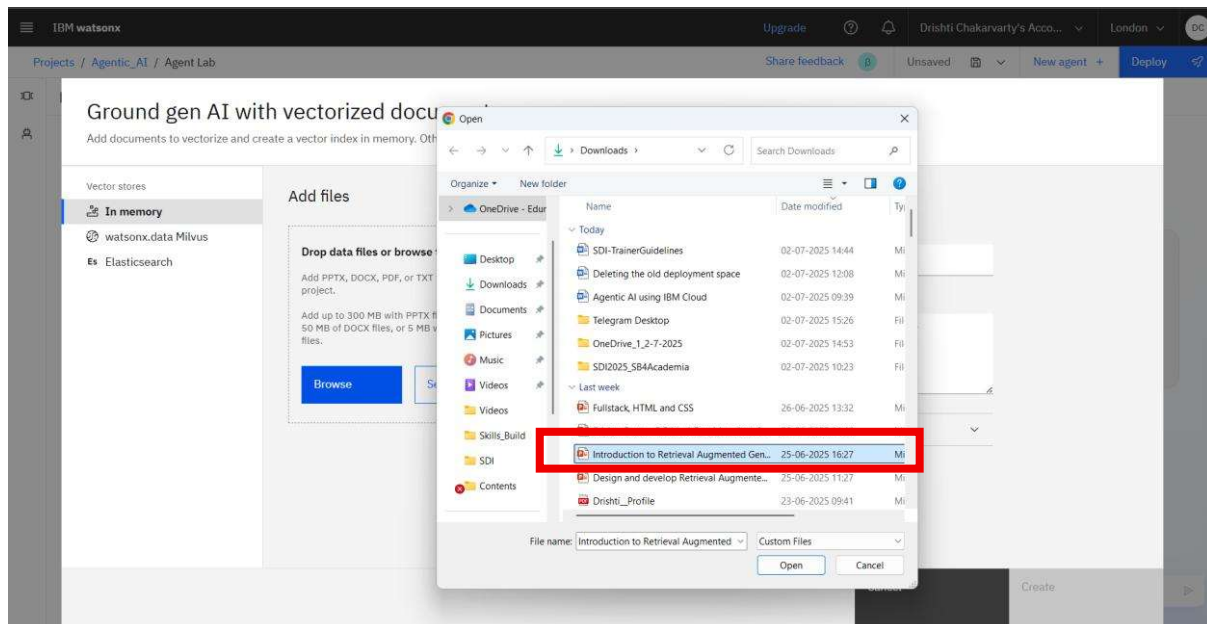
**Step-26 Click on the knowledge and then click on New vector index.**



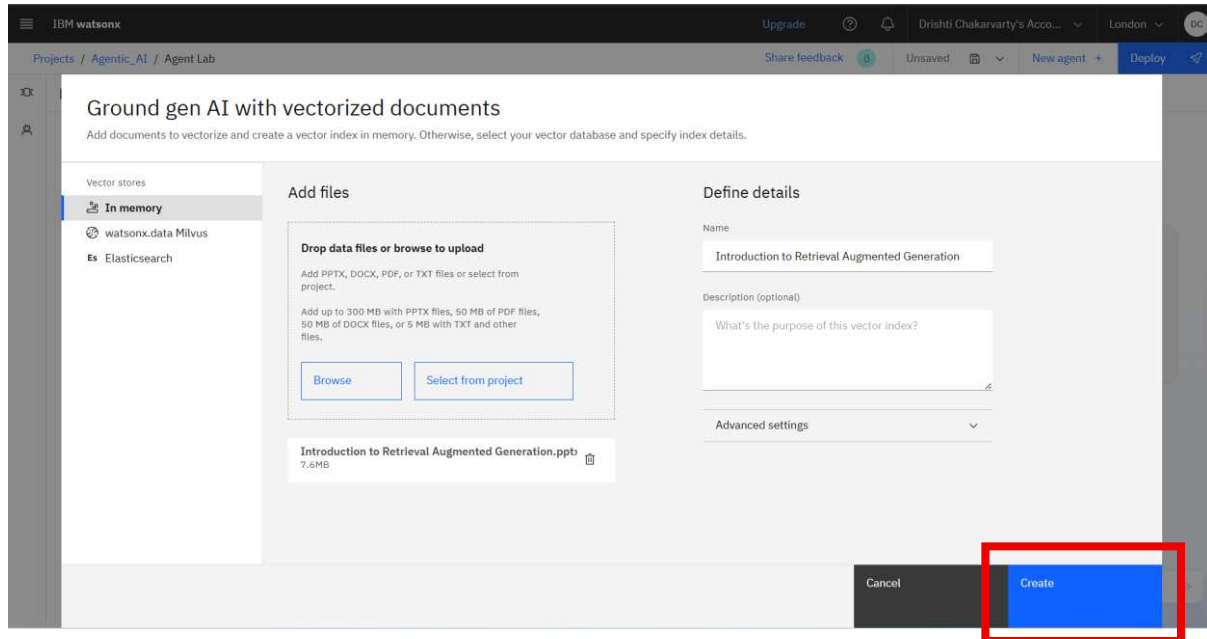
## Step-27 Now click on Browse.



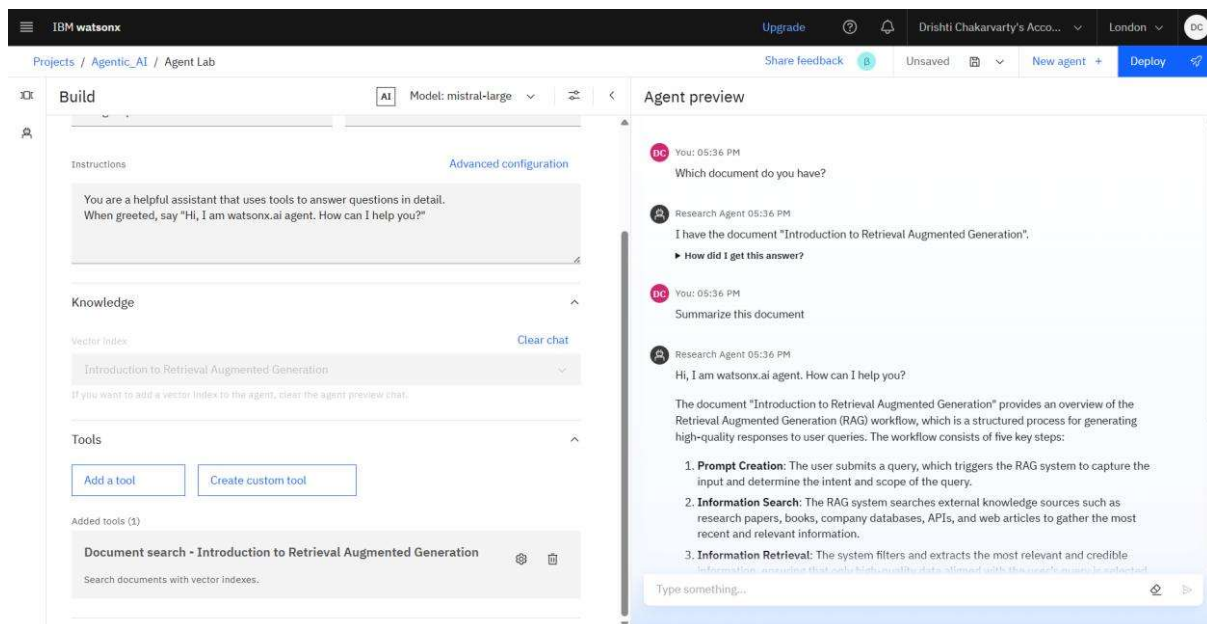
## Step-28 Now select your document.



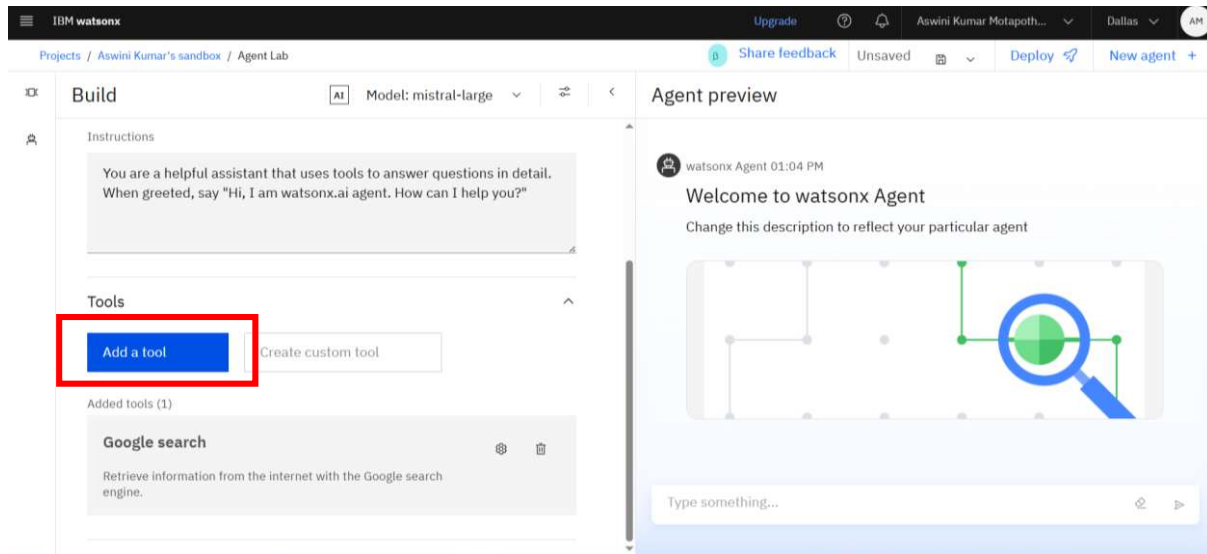
## Step-29 Now click on Create.



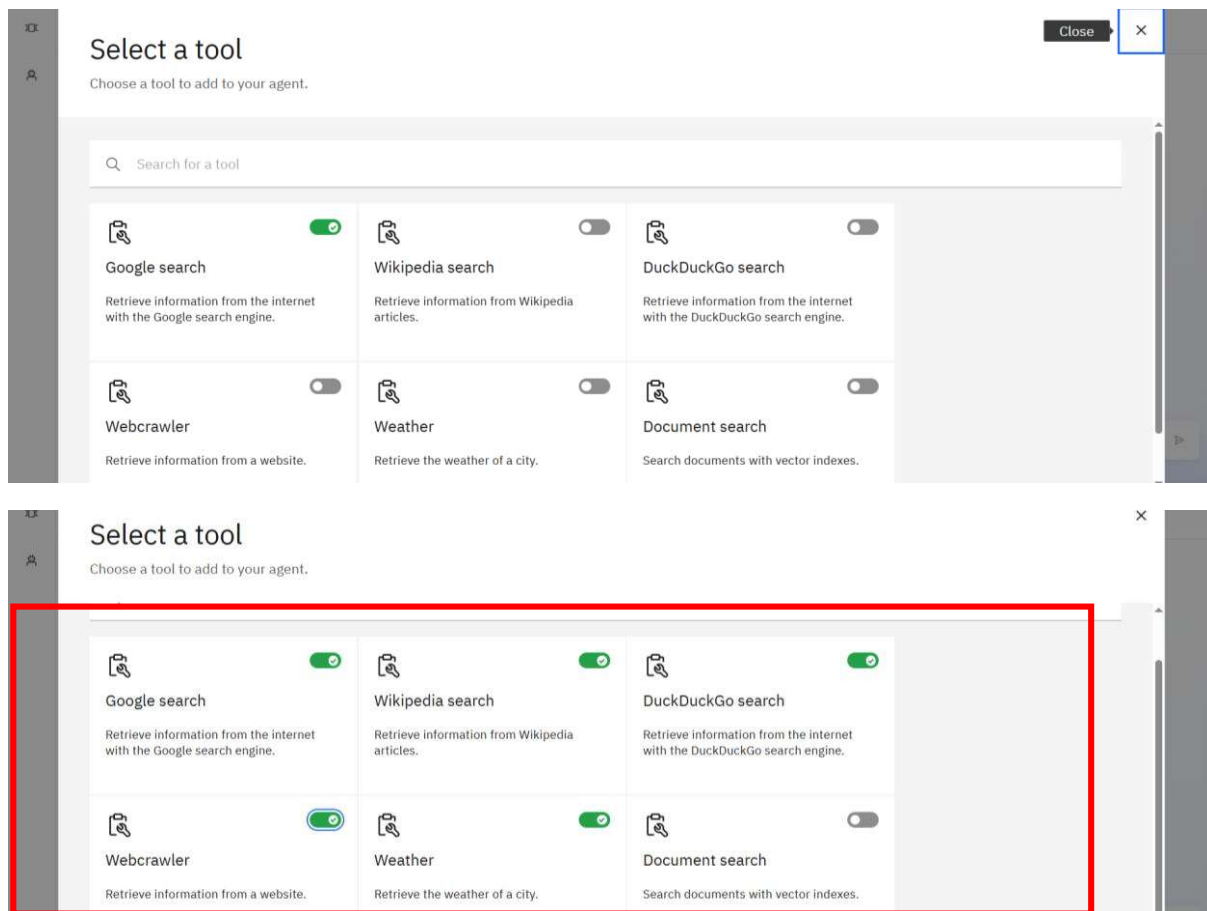
## Step-30 Now you can ask questions related to your document.



## Step-31 Click on Add a tool.

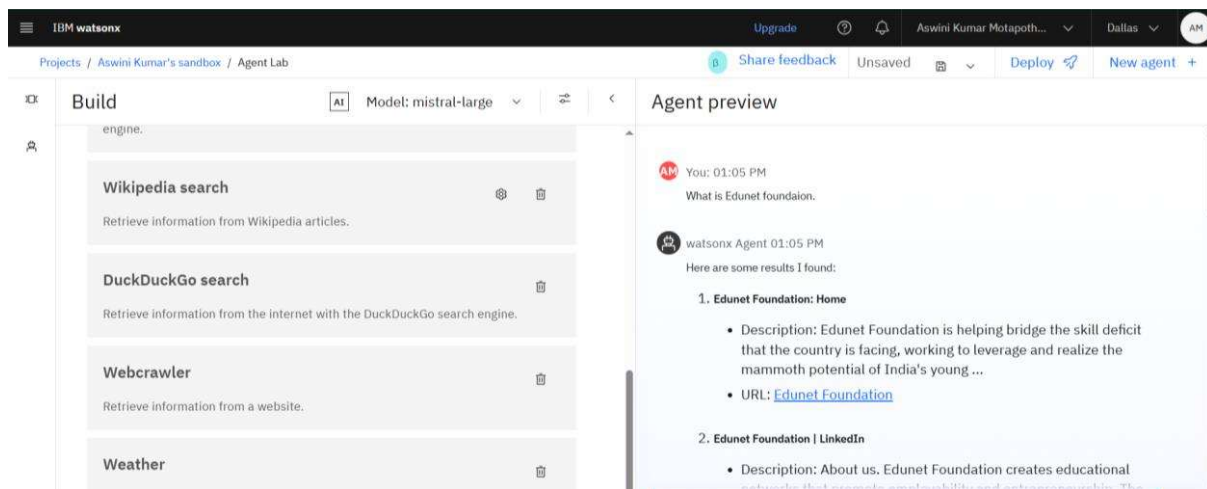
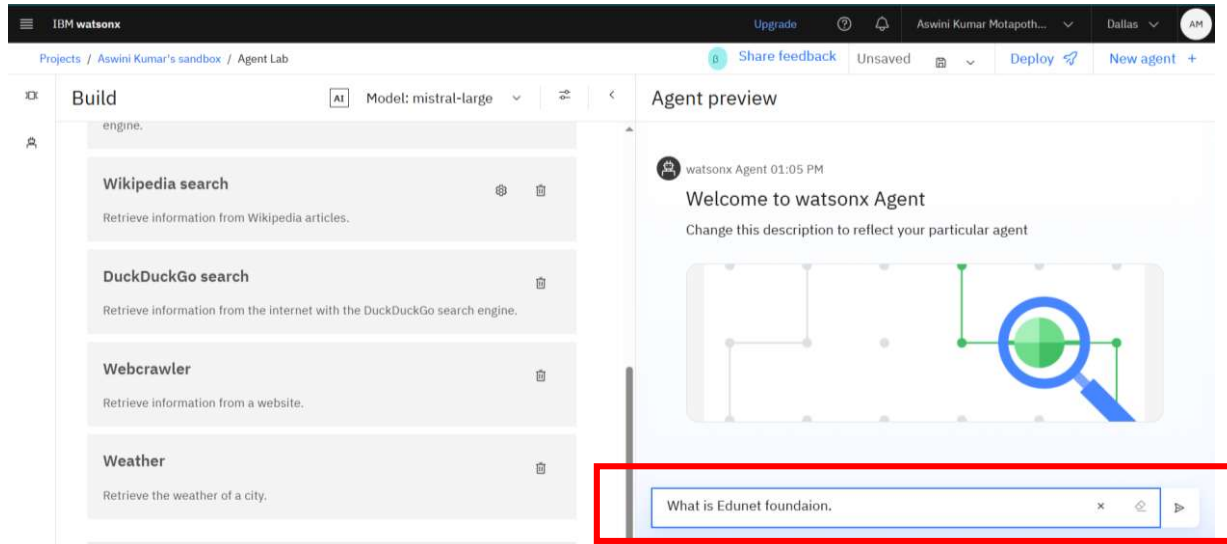


## Step-32 Enable the tools (Shown in picture)

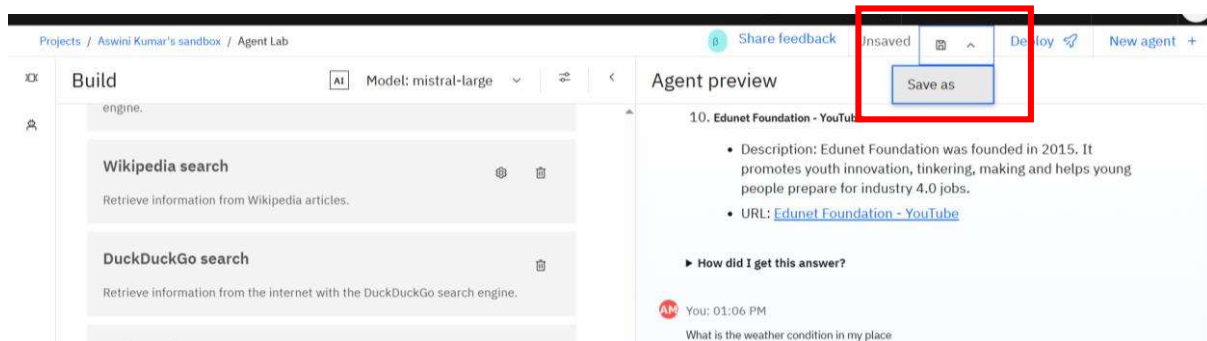




## Step-33 Type here your question here. This is output



## Step-34 Click on Save as icon .



## Step-35 Save your work, choose Agent , click on save

IBM watsonx

Projects / Aswini Kumar's sandbox / Agent Lab

Share feedback Unsaved Deploy New agent +

### Save your work

Specify how to save your work by selecting an asset type and defining details.

#### Asset type

**Agent**  
Save as an editable agent asset that can be reopened in this tool.

**Standard notebook**  
Save the current agent as a notebook.

**Deployment notebook**  
Save a notebook that can deploy your agent as an AI service.

#### Define details

Name  
watsonx Agent

Description (optional)  
Change this description to reflect your particular agent

Cancel Save

## Step-36 Your saved agents are available here

IBM watsonx

Projects / Aswini Kumar's sandbox / watsonx Agent

Share feedback Autosave on Deploy New agent +

### Saved agents

- Aswini Kumar's sandbox
- watsonx Agent**  
Change this description to reflect your particular agent

### Build

Model: mistral-large

#### Setup

#### Configuration

Framework: LangGraph Architecture: ReAct

#### Instructions

You are a helpful assistant that uses tools to answer questions in detail.  
When greeted, say "Hi, I am watsonx.ai agent. How can I help you?"

#### Tools

### Agent preview

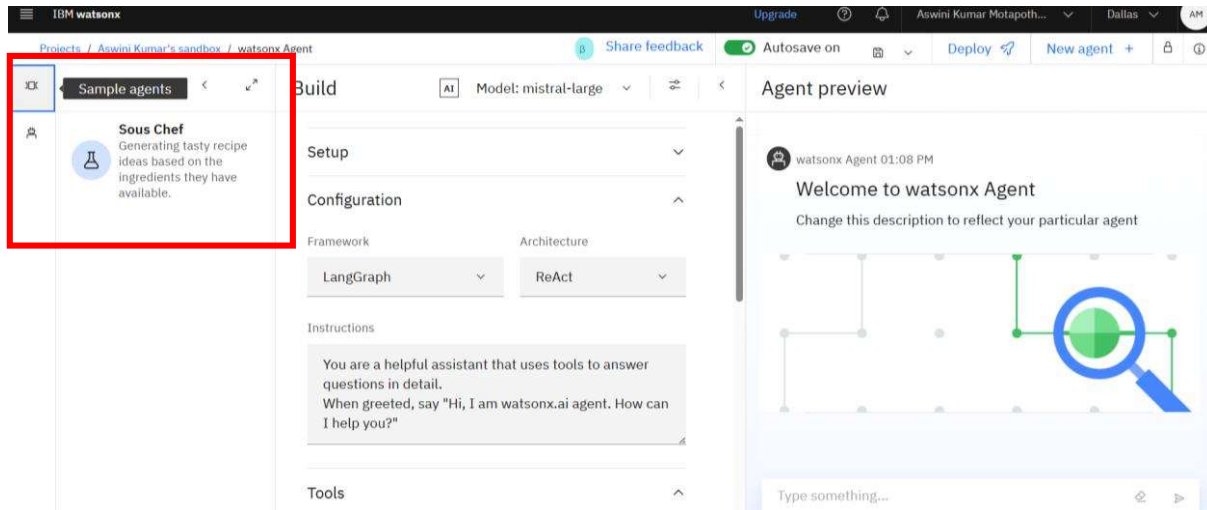
watsonx Agent 01:08 PM

Welcome to watsonx Agent

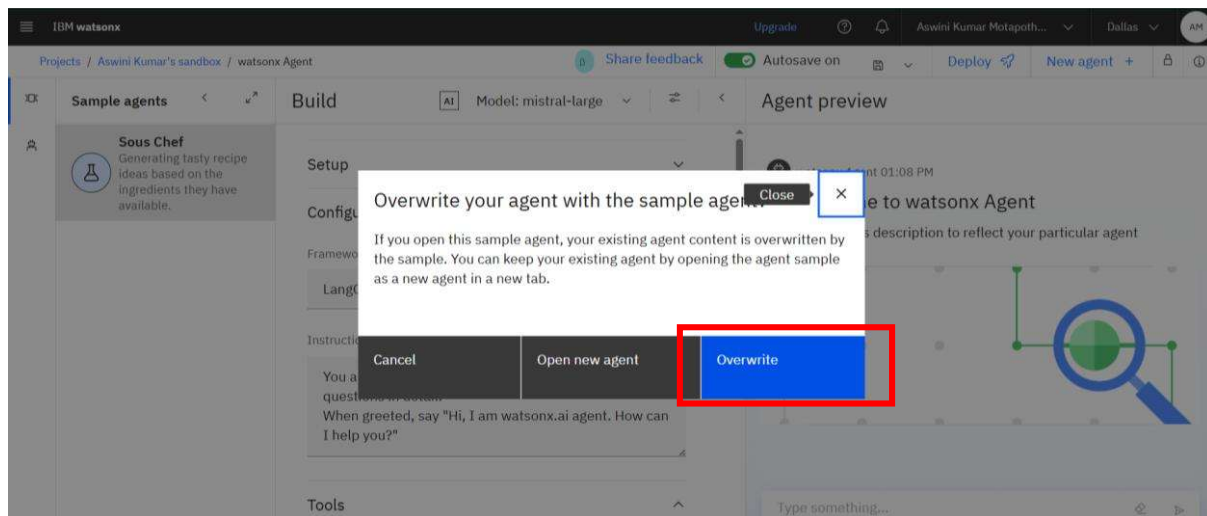
Change this description to reflect your particular agent

Type something...

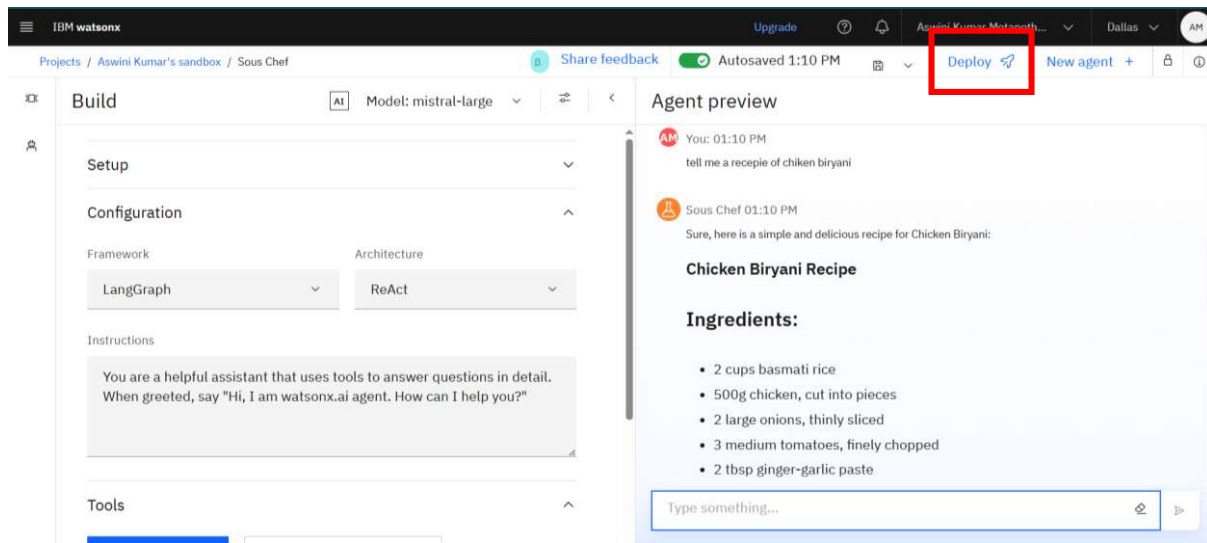
## Step-37 Here sample agents are available



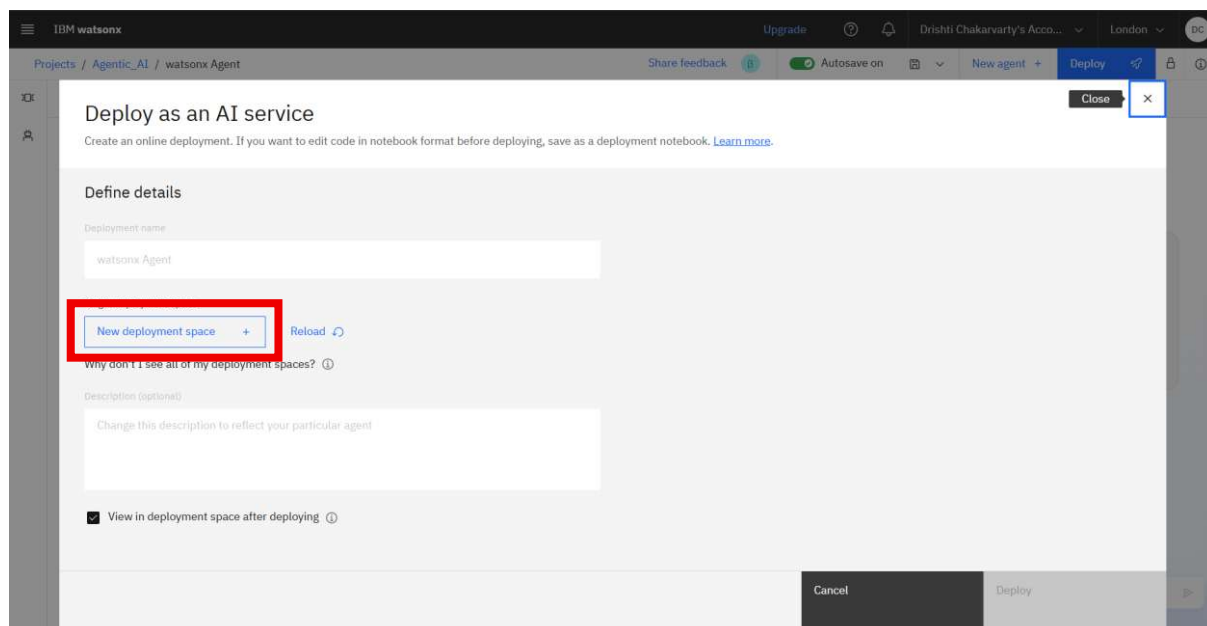
## Step-38 Click on sample agents and click on overwrite



**Step-39 This is the output from sample agent & click on Deploy.**

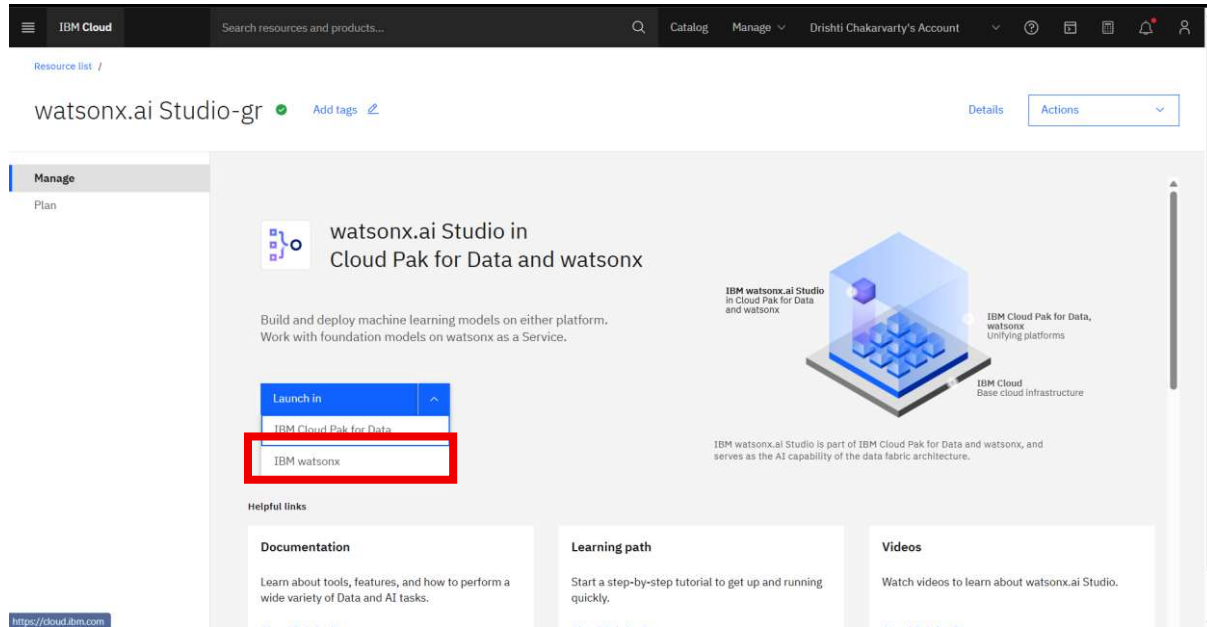


**Step-40 Now click on New Deployment Space.**

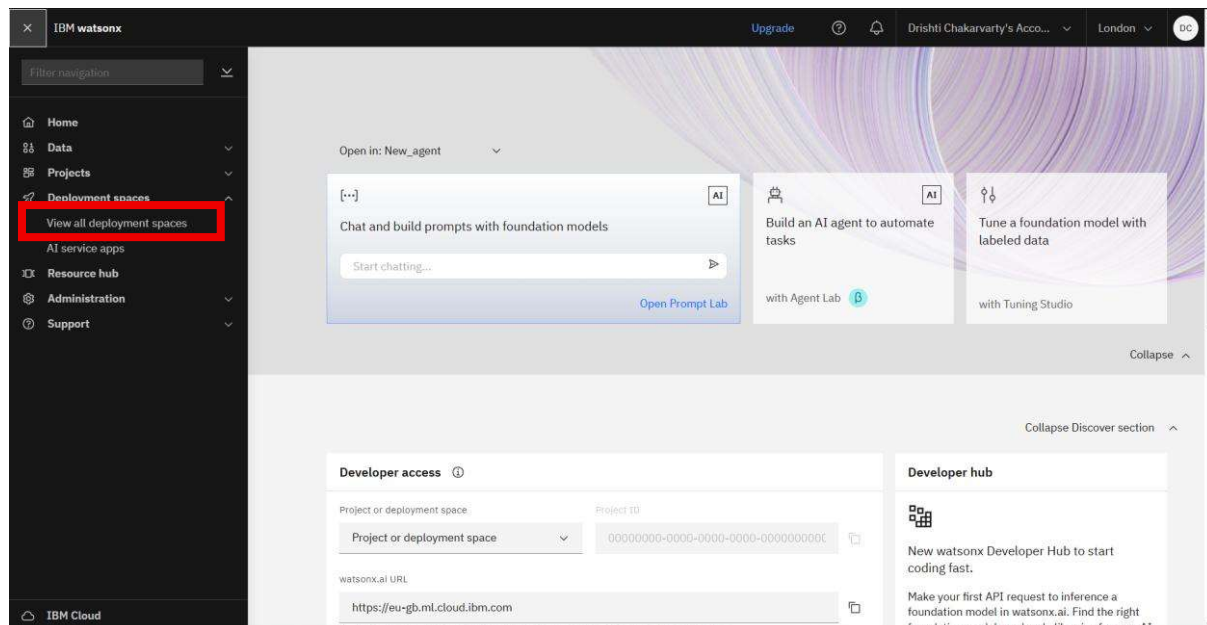


**Note: If you are unable to create the new deployment space then delete the previous deployment space using the following steps**

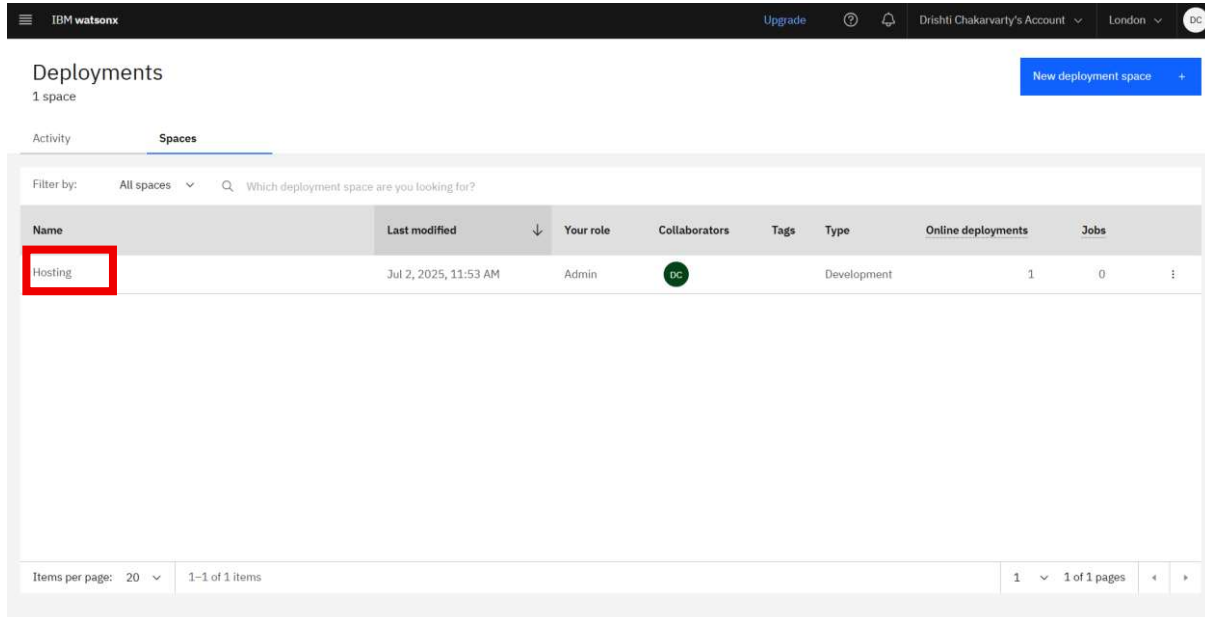
## 1. Go to the previous tab and then click on IBM watsonx.



## 2. Click on the Hamburger on the left hand side and then click on View all deployment spaces.



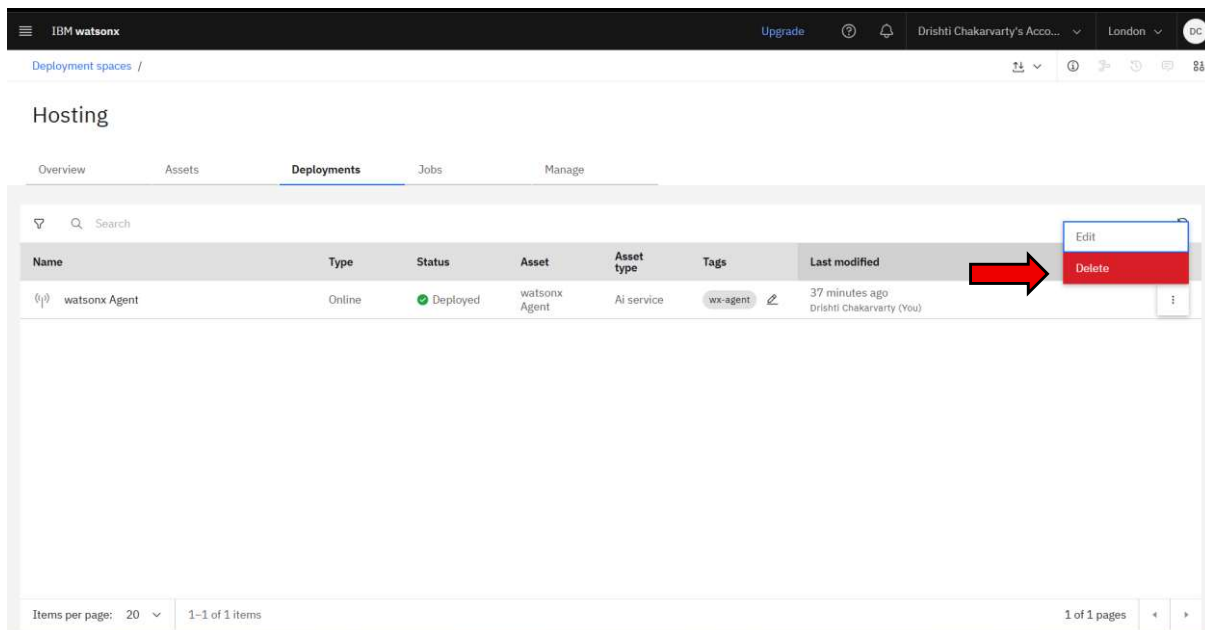
### 3. Click on the already created deployment space.



The screenshot shows the IBM watsonx interface. At the top, there's a header with 'IBM watsonx', 'Upgrade', a help icon, a bell icon, and user information 'Drishti Chakarvarty's Account' and 'London'. Below the header, the 'Deployments' section is active, showing '1 space'. A blue button 'New deployment space' is in the top right. The 'Spaces' tab is selected, displaying a table with columns: Name, Last modified, Your role, Collaborators, Tags, Type, Online deployments, and Jobs. The table contains one row with the name 'Hosting' highlighted by a red box. The 'Last modified' date is 'Jul 2, 2025, 11:53 AM', 'Your role' is 'Admin', 'Collaborators' is 'DC', 'Type' is 'Development', 'Online deployments' is '1', and 'Jobs' is '0'. At the bottom, there's a pagination bar showing 'Items per page: 20' and '1-1 of 1 items'.

Name	Last modified	Your role	Collaborators	Tags	Type	Online deployments	Jobs
Hosting	Jul 2, 2025, 11:53 AM	Admin	DC		Development	1	0

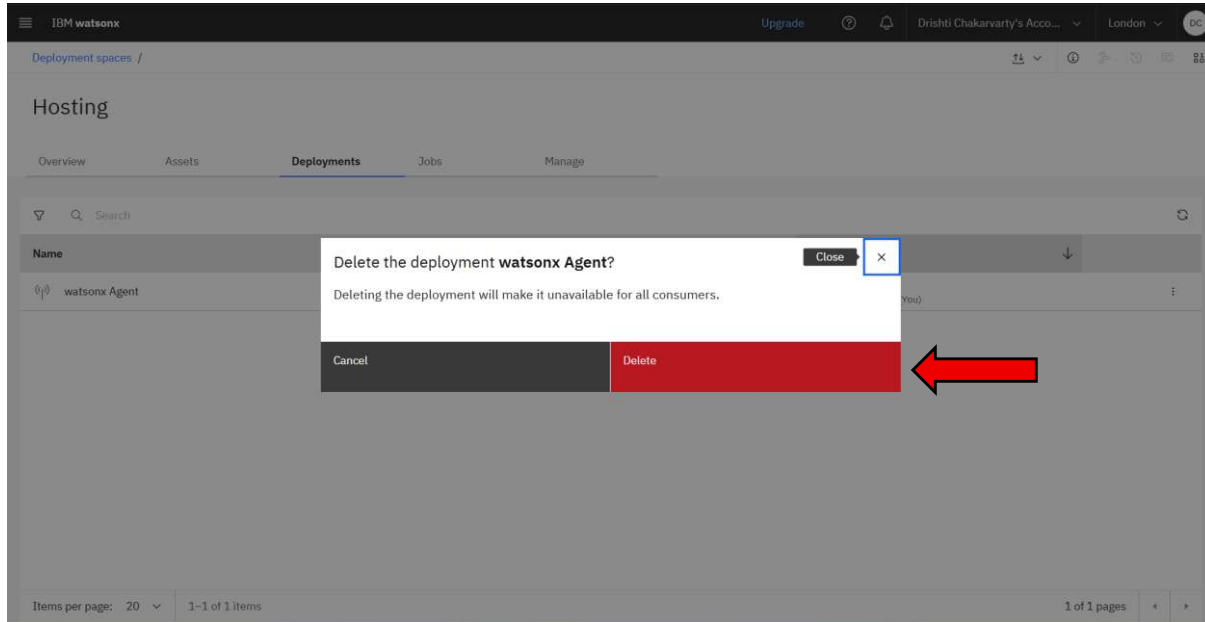
### 4. Click on Deployments and then delete the previously deployed agent.



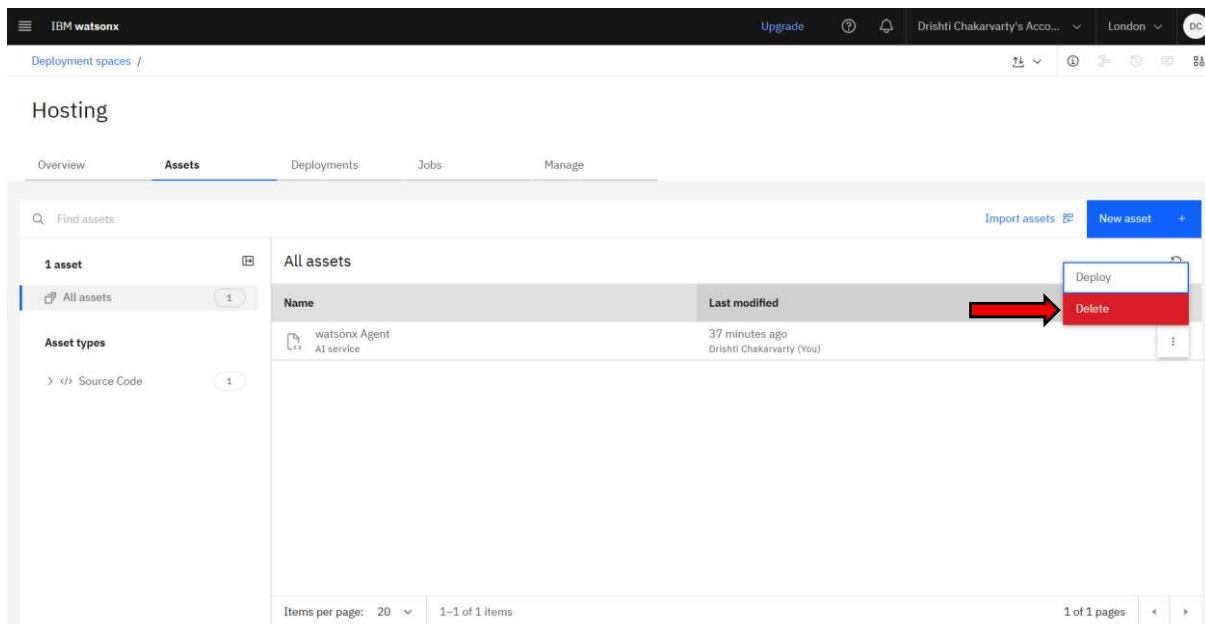
The screenshot shows the IBM watsonx interface for the 'Hosting' space. The 'Deployments' tab is selected, displaying a table with columns: Name, Type, Status, Asset, Asset type, Tags, and Last modified. The table contains one row with the name 'watsonx Agent'. The 'Type' is 'Online', 'Status' is 'Deployed', 'Asset' is 'watsonx Agent', 'Asset type' is 'AI service', 'Tags' is 'wx-agent', and 'Last modified' is '37 minutes ago Drishti Chakarvarty (You)'. A red arrow points to the 'Delete' button in the actions column. At the bottom, there's a pagination bar showing 'Items per page: 20' and '1-1 of 1 items'.

Name	Type	Status	Asset	Asset type	Tags	Last modified
watsonx Agent	Online	Deployed	watsonx Agent	AI service	wx-agent	37 minutes ago Drishti Chakarvarty (You)

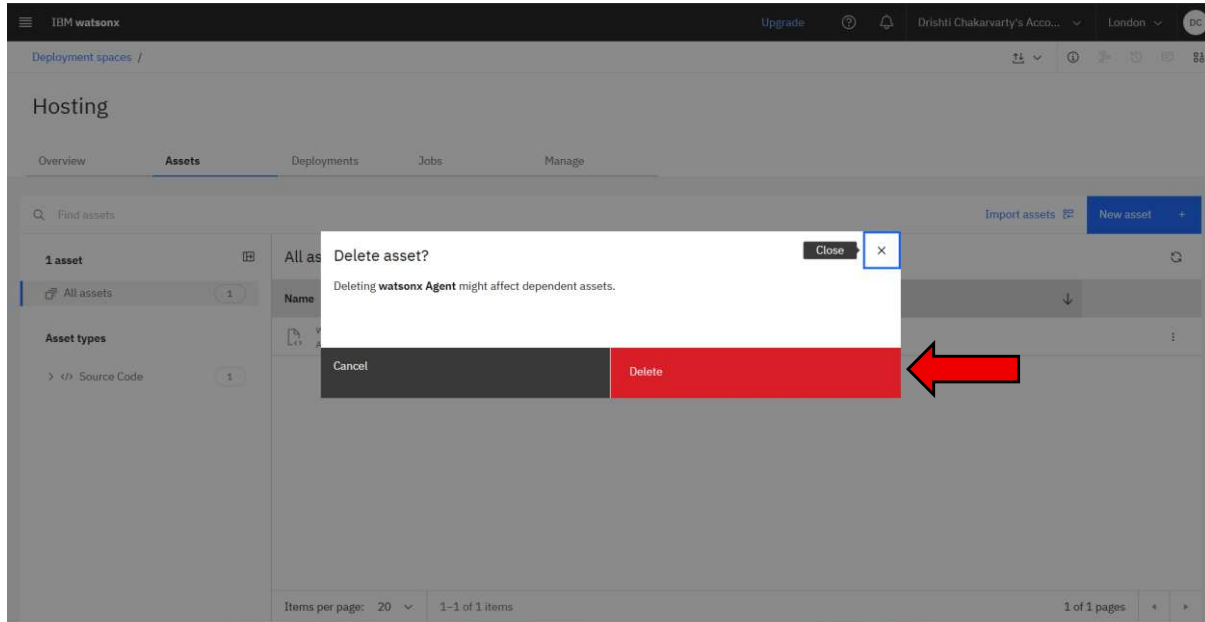
## 5. Click on Delete.



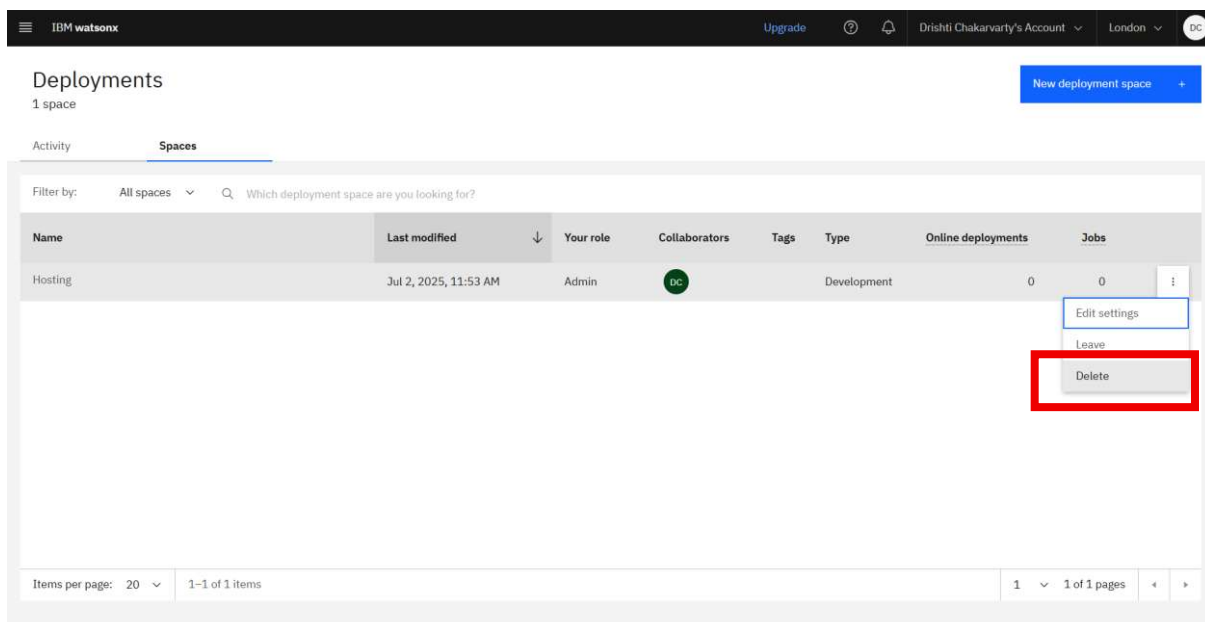
## 6. Now click on Assets and delete the previously created asset.



## 7. Click on Delete.

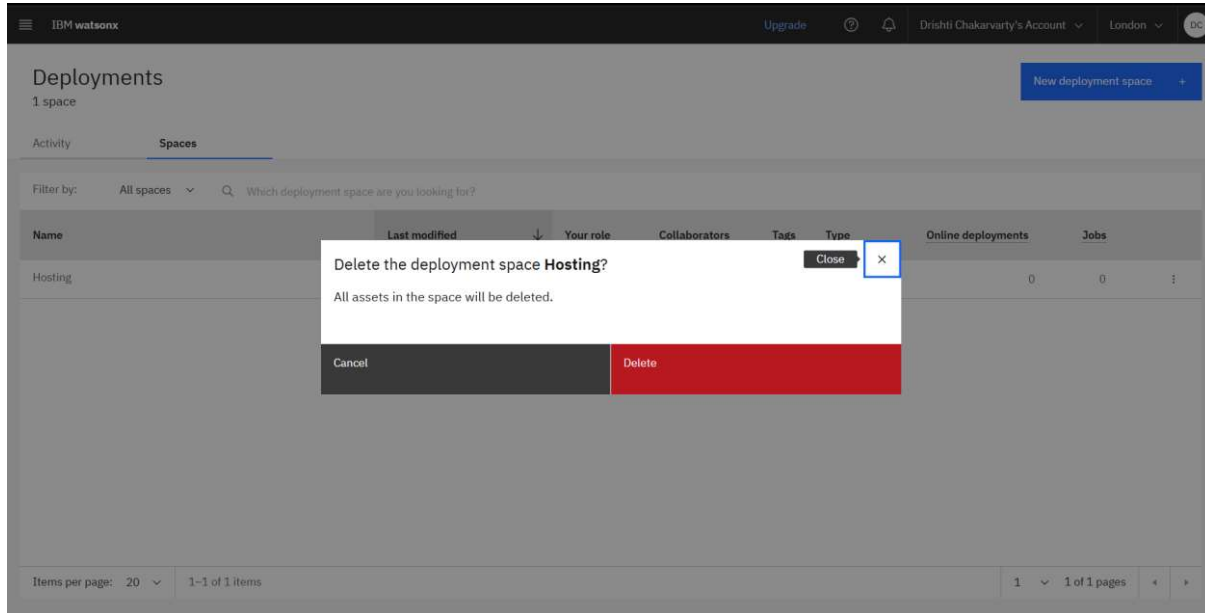


## 8. Now at the end Delete the previously created deployment space.

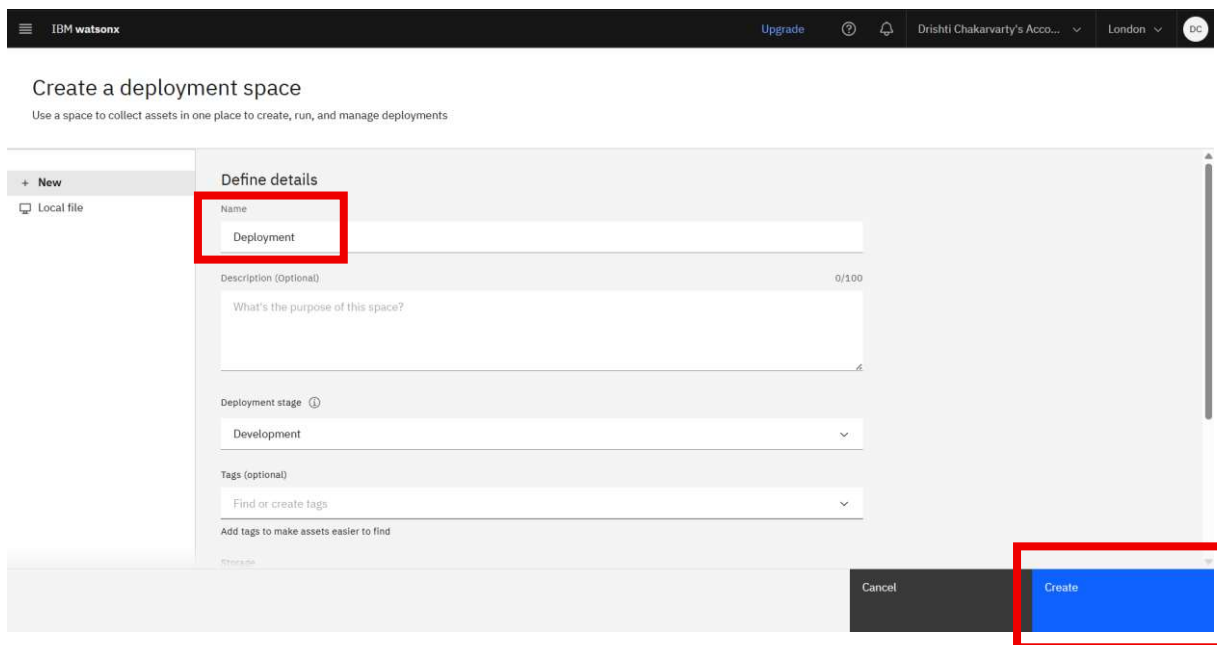




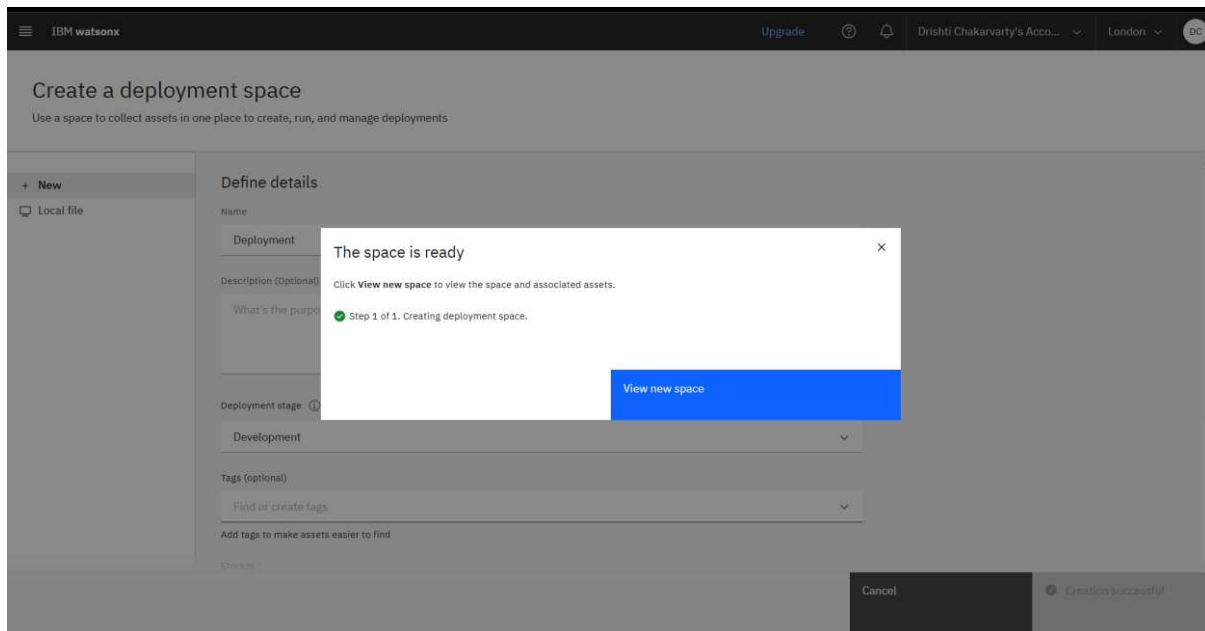
## 9. Click on Delete.



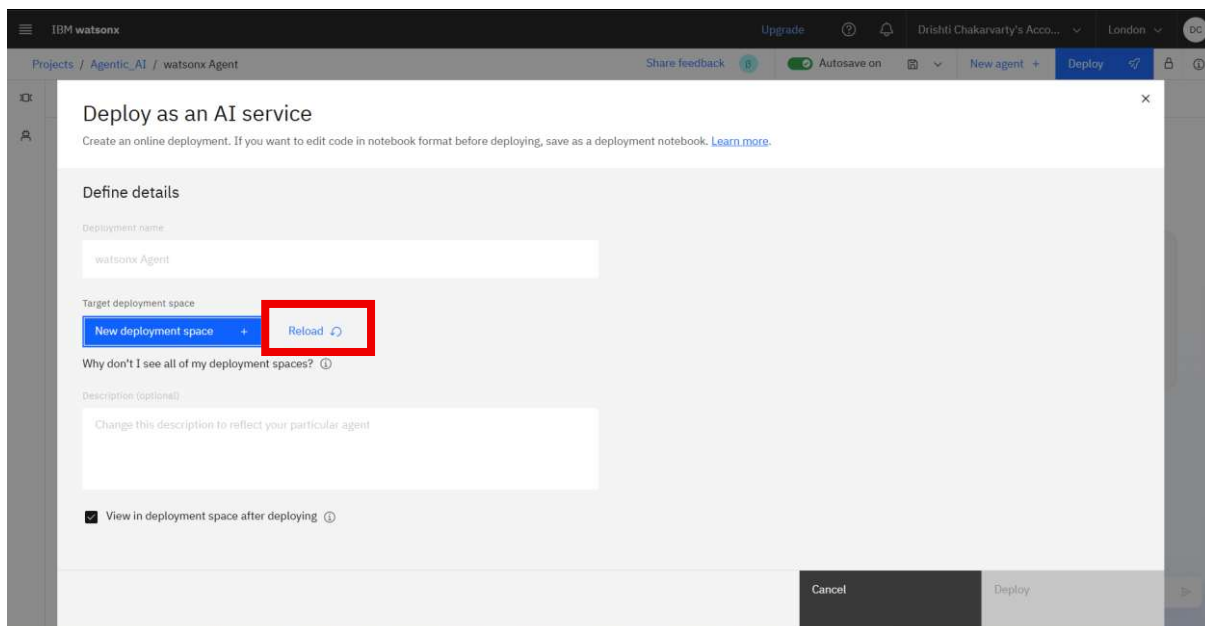
## Step-41 Now give the name to your deployment space and then click on Create.



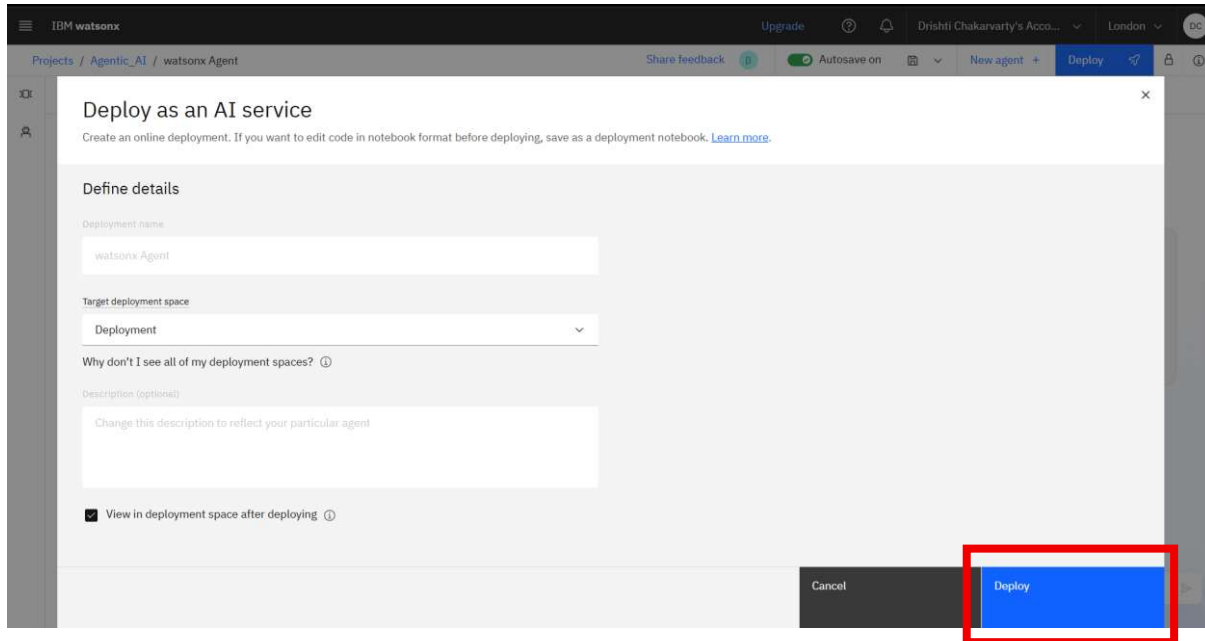
**Step-42 You will get a pop-up displaying The space is ready.**



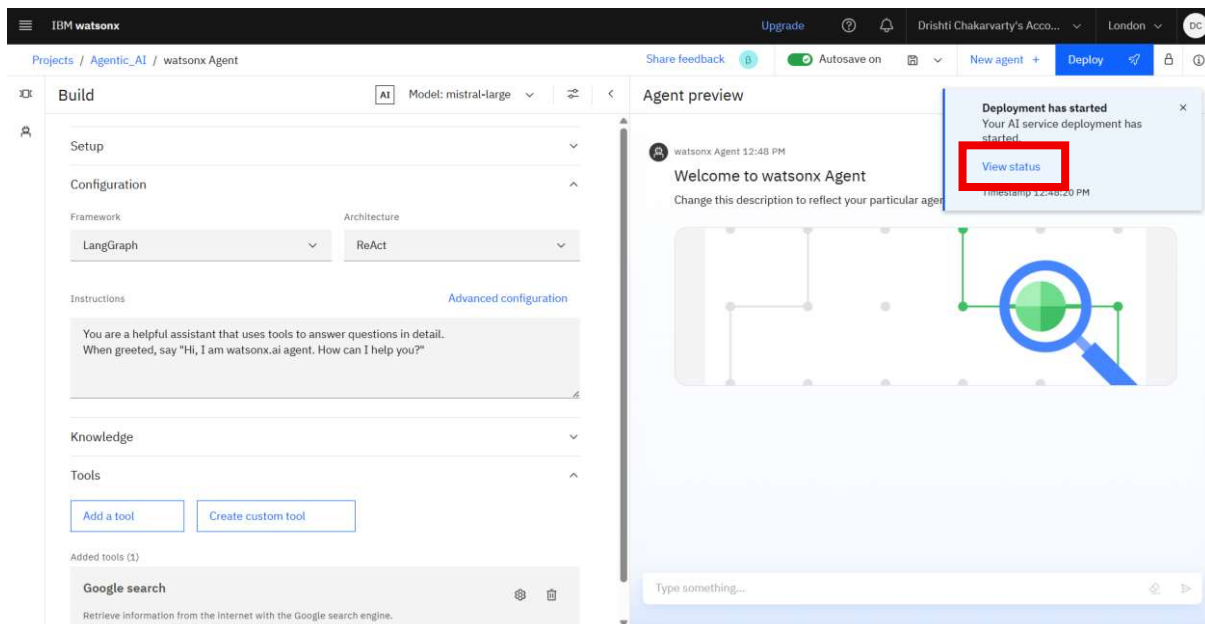
**Step-43 Go back to the Deployment space and the click on Reload.**



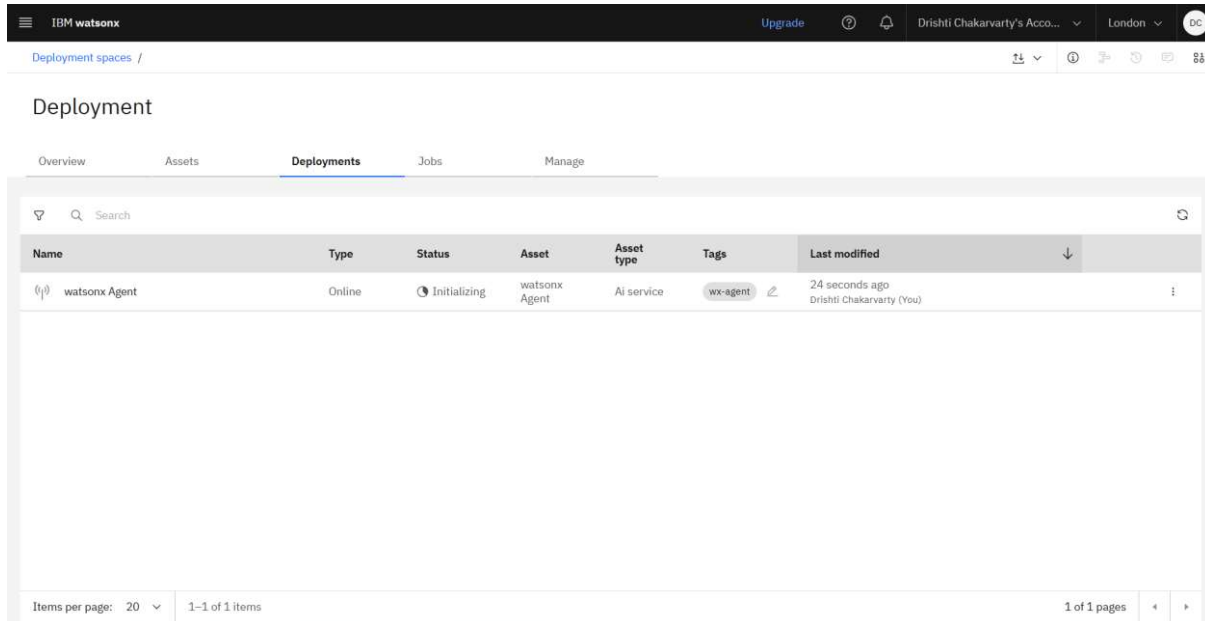
## Step-44 Now click on Deploy.



## Step-45 Click on View Status.



**Step-46 You will see that your agent is getting deployed.**





IBM watsonx

Deployment spaces /

### Deployment

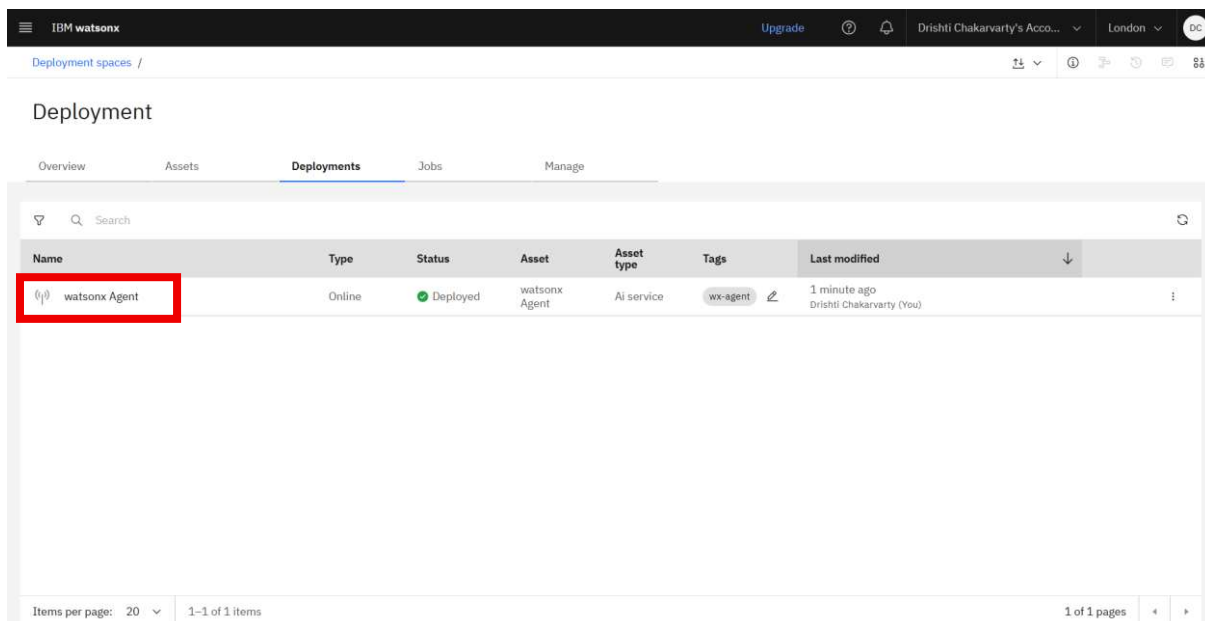
Overview Assets **Deployments** Jobs Manage

Search

Name	Type	Status	Asset	Asset type	Tags	Last modified
 watsonx Agent	Online	 Initializing	watsonx Agent	AI service	wx-agent	24 seconds ago Drishti Chakarvarty (You)

Items per page: 20 1-1 of 1 items 1 of 1 pages

**Step-47 You can see that your agent is successfully deployed, now click on watsonx Agent.**





IBM watsonx

Deployment spaces /

### Deployment

Overview Assets **Deployments** Jobs Manage

Search

Name	Type	Status	Asset	Asset type	Tags	Last modified
 watsonx Agent	Online	 Deployed	watsonx Agent	AI service	wx-agent	1 minute ago Drishti Chakarvarty (You)

Items per page: 20 1-1 of 1 items 1 of 1 pages

## Step-48 You can see the API references for your Deployed agent.

The screenshot shows the IBM Watsonx Agent deployment page. The top navigation bar includes the IBM Watsonx logo, an 'Upgrade' button, and user information. The breadcrumb trail is 'Deployment spaces / Deployment / watsonx Agent /'. The main heading is 'watsonx Agent' with a green 'Deployed' status and an 'Online' indicator. Below the heading are three tabs: 'API reference' (selected), 'Test', and 'Preview'. The 'API reference' tab displays 'Endpoints for inferencing' with two sections: 'Private endpoint' and 'Public endpoint'. Each section contains two URLs and a copy icon. To the right of the endpoints is a 'Bearer <token>' field with an 'IAM' button. Below the endpoints is a 'Learn more' link. The 'Code snippets' section has tabs for 'cURL', 'Java', 'JavaScript', 'Python', and 'Scala'. The 'cURL' tab is active, showing a note about setting the API key and a code snippet: 'export API\_KEY=<your API key>'. On the right side, the 'About this deployment' panel is open, showing details such as Name, Description, Deployment ID, Serving name, Software specification, Hardware specification, Extra extra small, Copies, Tags, Associated asset, and Last modified.

## Step-49 Now you can click on Preview and ask questions to your agent.

The screenshot shows the IBM Watsonx Agent deployment page with the 'Preview' tab selected. The top navigation bar and breadcrumb trail are the same as in Step 48. The main heading is 'watsonx Agent' with a green 'Deployed' status and an 'Online' indicator. Below the heading are three tabs: 'API reference', 'Test', and 'Preview' (selected). The 'Preview' tab displays a chat interface. At the top, it says 'Welcome to watsonx Agent' and 'Change this description to reflect your particular agent'. Below this is a large image of a circuit board with a magnifying glass icon. At the bottom, there is a text input field with the placeholder 'Type something...' and a send button. On the right side, the 'About this deployment' panel is open, showing details such as Name, Description, Deployment ID, Serving name, Software specification, Hardware specification, Extra extra small, Copies, Tags, Associated asset, and Last modified.