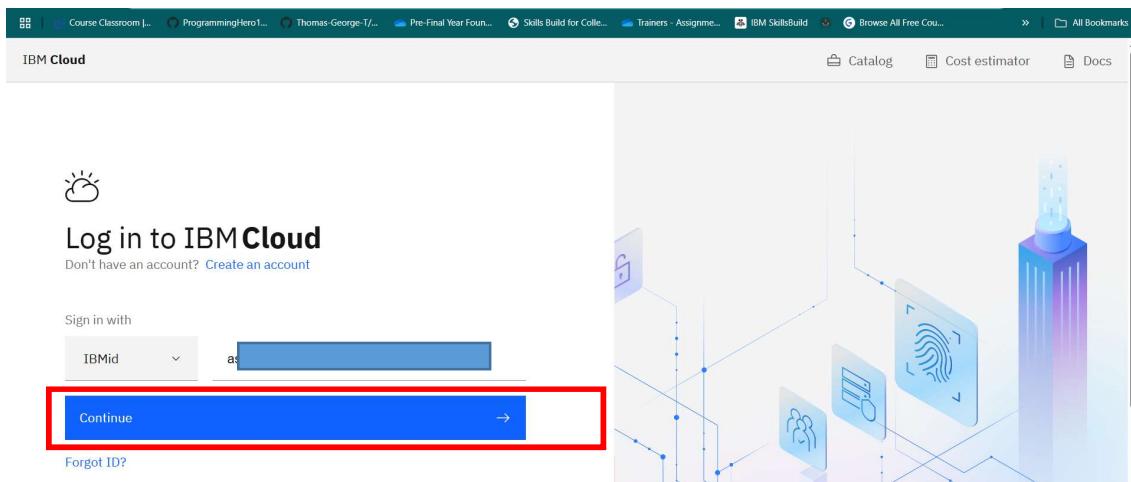
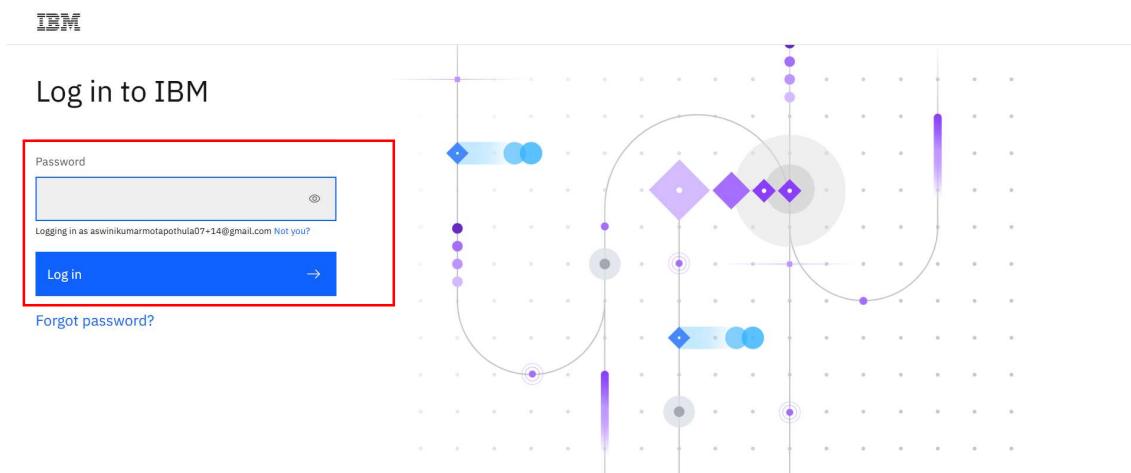


Generative AI using IBM cloud - Prompt Lab

Step1: Login to your IBM cloud account using this URL, cloud.ibm.com



Step2: Enter password, click on Login.



Step3: This is your IBM cloud Dashboard.

The screenshot shows the IBM Cloud Dashboard. At the top, there's a navigation bar with 'IBM Cloud', a search bar, 'Catalog', 'Manage', and user information. Below the navigation is a 'Dashboard' section with a 'Build' card. To the right are cards for 'Use Watson Assistant', 'Use Watson Studio', 'Build with Watson', and 'Get started with Wa Discovery'. At the bottom, there are links for 'IBM Cloud status', 'Recent support cases', 'Planned maintenance', and 'Total emissions'.

Step4: Type Watsonx.ai in search bar , select the Watsonx.ai (Service).

The screenshot shows the 'Catalog Results' page with the search term 'watsonx.ai' entered. A red box highlights the 'watsonx Service' result, which is listed under 'Catalog Results'. Other results include 'Watsonx.ai SaaS with Assistant and Gover...', '[Add-ons Beta] Cloud automation for watsonx...', 'watsonx Runtime', and 'watsonx Studio'. The rest of the page is similar to the dashboard, with sections for 'For you', 'Build', and various service cards.

Step5: click on Watsonx.ai (Documentation).

The screenshot shows the IBM Cloud dashboard. On the left, there's a sidebar with a dark theme. Under the 'watsonx' section, the 'Documentation' menu is expanded, showing three options: 'watsonx.ai' (which is highlighted with a red box), 'watsonx.governance', and 'watsonx.data'. The main content area is titled 'watsonx capabilities' and displays three cards: 'watsonx.ai', 'watsonx.governance', and 'watsonx.data', each with a brief description and a 'Get started' button.

Step6: Click on GenAI sloutions.

The screenshot shows the 'Documentation for IBM watsonx as a Service' page. The left sidebar has a 'Gen AI solutions' link under the 'Getting started and tutorials' section, which is also highlighted with a red box. The main content area features a heading 'Documentation for IBM watsonx as a Service', a last updated date ('Apr 02, 2025'), and a note about signing up for a demo. Below this are three sections: 'Developer Hub', 'Foundation models', and 'AI agents', each with a blue arrow icon. At the bottom, there are links for 'What's new', 'Quick start tutorials', and 'AI risk atlas'.

Step7: Scroll down above page, click on Prompt lab.

The screenshot shows the IBM Watsonx AI solutions page. On the left is a navigation sidebar with categories like Overview, Planning a generative AI solution, Getting started and tutorials, Gen AI solutions, Preparing data, Data science solutions, Deploying AI, Governing AI, Administration, and Glossary. The 'Gen AI solutions' category is expanded. On the right, under the heading 'Learn more', there is a list of links. The link 'Prompt Lab' is highlighted with a red rectangle. A blue circular arrow icon with an upward-pointing arrow is located on the right side of the page.

Step8: Scroll down below page, click on [watsonx.ai home page](#).

The screenshot shows the 'Prompt Lab' page on the watsonx.ai website. The URL in the browser bar is 'dataplatform.cloud.ibm.com/docs/content/wsj/analyze-data/fm-prompt-lab.html?context=ws&locale=en'. The page title is 'Prompt Lab'. The left sidebar has sections like Overview, Planning a generative AI solution, Getting started and tutorials, Gen AI solutions (which is expanded), Terms of use, Tokens, Supported models, Building prompts (which is expanded), Prompt tips, Sample prompts, Prompt Lab (which is highlighted with a red rectangle), Generating text with code, Tuning models, Agent Lab (beta), and Coding generative AI solutions. The main content area starts with 'Getting started with Prompt Lab'. It includes a note about requirements and a 'Required permissions' section. At the bottom, there is a note: 'To run prompts, you must have the Admin or Editor role in a project.' The status bar at the bottom of the screen shows system information like battery level, signal strength, and date/time.

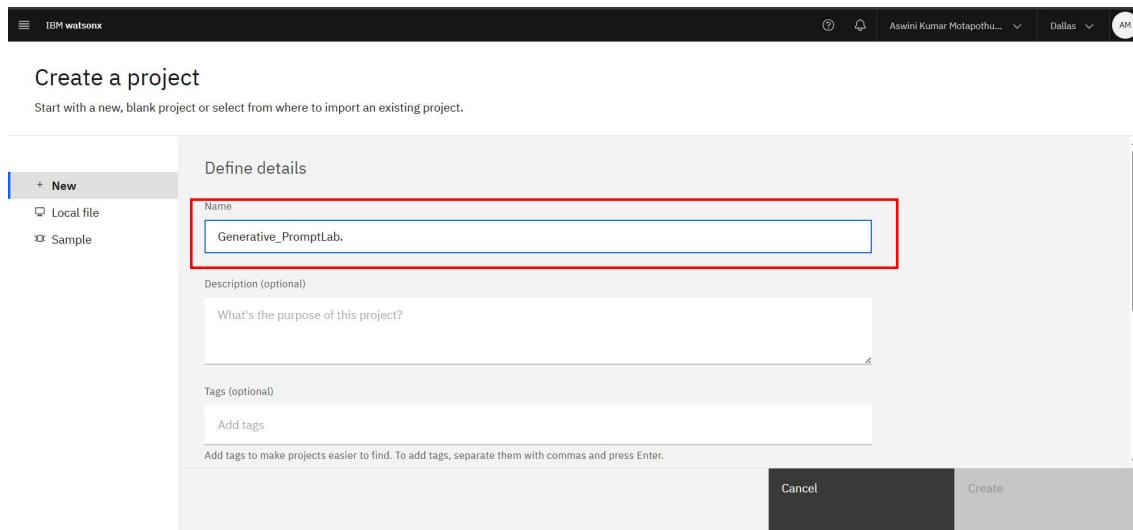
Step9: This is the homepage, scroll down a little click on create a project icon.

The screenshot shows the IBM Watsonx homepage. At the top, it says "Welcome back, [REDACTED]" and "Train, validate, tune and deploy AI models." Below this is a "Customize my journey" dropdown. The main area features three cards: "Chat and build prompts with foundation models" (with "Start chatting..." button and "Open Prompt Lab" link), "Build an AI agent to automate tasks" (with "with Agent Lab" and beta indicator), and "Tune a foundation model with labeled data" (with "with Tuning Studio" link). A "Discover" section follows, containing "Developer access" and "Developer hub" links. A "Collapse Discover section" button is also present.

Click on Create a new project

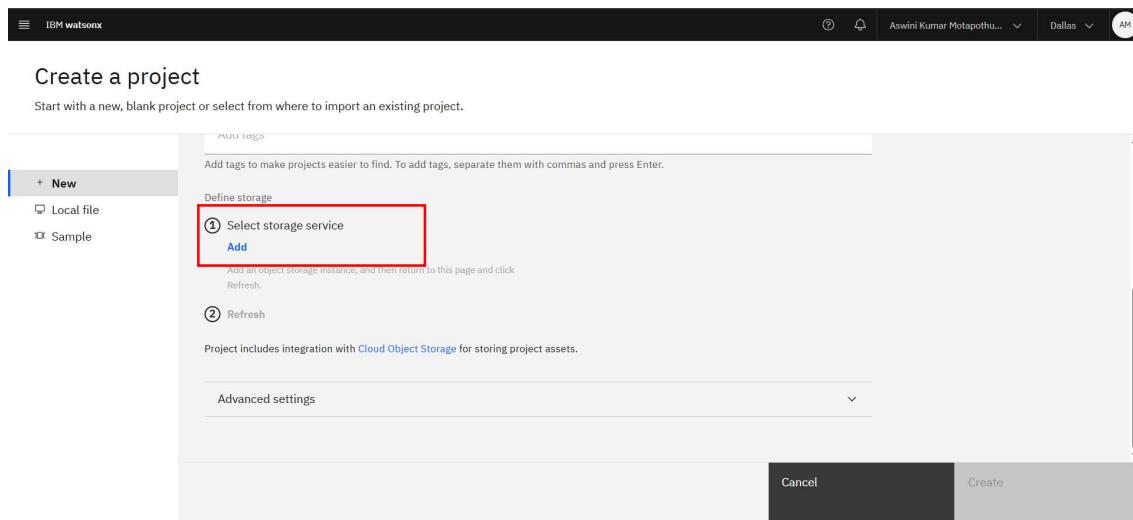
The screenshot shows the "Recent work" section of the IBM Watsonx interface. It includes sections for "Data", "Projects", "Notebooks", and "Agents". A message on the right says "Review setting importance in AutoAI for RAG experiment" (Apr 04, 2025) and "The codellama-34b-instruct-hf foundation model is available for you to deploy on demand". Below this is a "Create a new project" button, which is highlighted with a red box. The "Recent work" section lists several projects: "DAX Weather Project" (4 d ago), "Q&A with RAG Accelerator" (4 d ago), "Getting started with watsonx.governance" (4 d ago), and "Agentic_AI" (5 d ago). To the right, there's a "Deployment spaces" section with "AI" (4 d ago), "Agentic_AI_01" (5 d ago), and "Agentic_AI" (5 d ago).

Step10: Define your project title , click on Scroll down.



The screenshot shows the 'Create a project' interface in IBM WatsonX. On the left, there's a sidebar with options '+ New', 'Local file', and 'Sample'. The main area is titled 'Define details' and contains fields for 'Name' (with the value 'Generative_PromptLab.'), 'Description (optional)', and 'Tags (optional)'. At the bottom right are 'Cancel' and 'Create' buttons. A red box highlights the 'Name' input field.

Step11: click on Add, Select free plan click on Create.



The screenshot shows the 'Create a project' interface in IBM WatsonX. On the left, there's a sidebar with options '+ New', 'Local file', and 'Sample'. The main area is titled 'Define storage' and contains a step ① 'Select storage service' with an 'Add' button, a note about adding a storage instance, and a 'Refresh' button. Below it is a note about project integration with Cloud Object Storage. At the bottom right are 'Cancel' and 'Create' buttons. A red box highlights the '① Select storage service' button.

IBM Watsonx

Displayed prices do not include tax. Monthly prices shown are for Country or region, United States.

Plan	Features	Pricing
One Rate	One Rate plan offers a flat monthly charge that includes capacity, and built-in allowances for outbound bandwidth and data access. It is best suited for active workloads with large amounts of outbound bandwidth as a percent of their storage capacity.	
Lite(deprecated)	<p>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.</p> <p>None</p> <p>Lite plan services are deleted after 30 days of inactivity.</p>	Free
Standard	<p>Standard plan is our most popular Pay-as-You-Go option with no minimum fee, ideal for most enterprise workloads. It includes a Free Tier with 5GB of free storage for 12 months. To access the Free Tier, choose Smart Tier for your bucket storage class. The Free Tier has no cost; you pay only if your usage is beyond the free tier allowance.</p> <p>Free Tier allowance: Storage up to 5GB/month Up to 2000 Class A (PUT, COPY, POST, and LIST) requests/month Up to 20,000 Class B (GET and all others) requests/month Up to 10GB/month of data retrieval Up to 5GB/month of Public outbound bandwidth</p>	

Summary

Cloud Object Storage

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

Create

View terms

Cancel

Click on Refresh. Click Create.

IBM Watsonx

Create a project

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

+ New

- Local file
- Sample

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 Refresh.

② Refresh

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

Advanced settings

Create

IBM Watsonx

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.

Storage

Cloud Object Storage-kd

Project includes integration with [Cloud Object Storage](#) for storing project assets.

Advanced settings

Cancel

Create

Step12: This is project Dashboard, click on Chat and build prompts with foundation models

IBM Watsonx

Projects / Generative_PromptLab.

Overview Assets Jobs Manage

Start working

- Add users as collaborators →
- Add data to work with →
- Chat and build prompts with foundation models** → (highlighted)
- Tune a foundation model with labeled data →

View all

Jump back in By all ▾

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

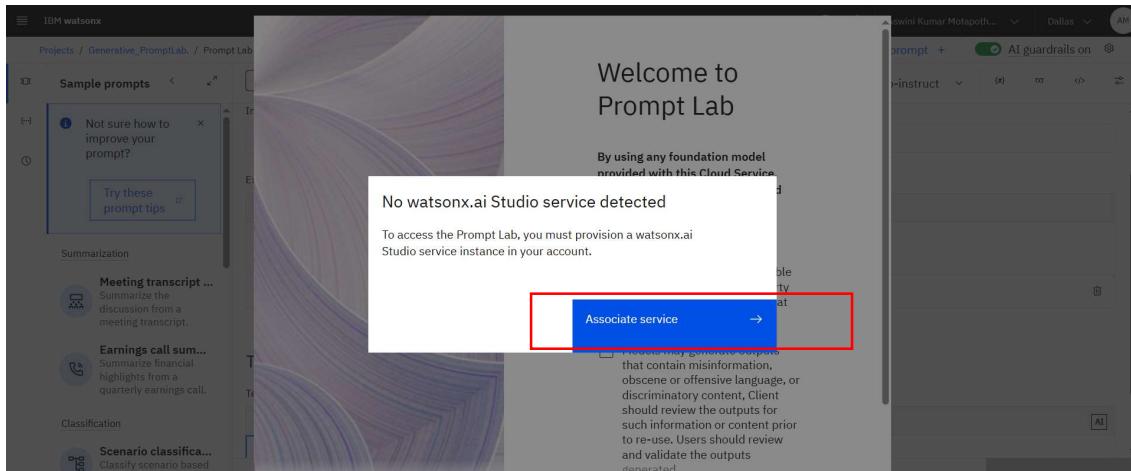
0 Tokens

Project history

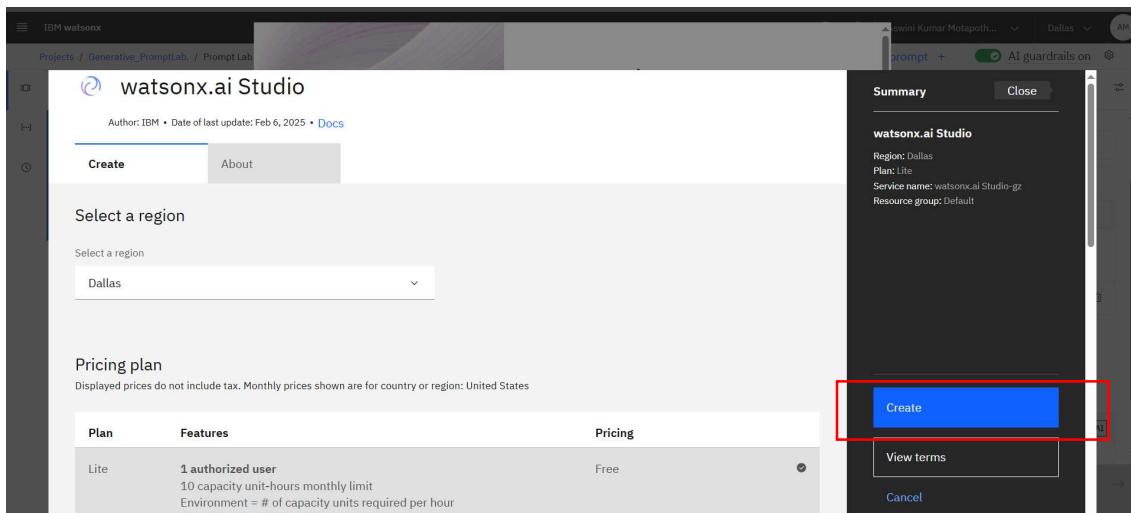
You created project Generative_PromptLab. Today at 3:03 PM

Collapse ^

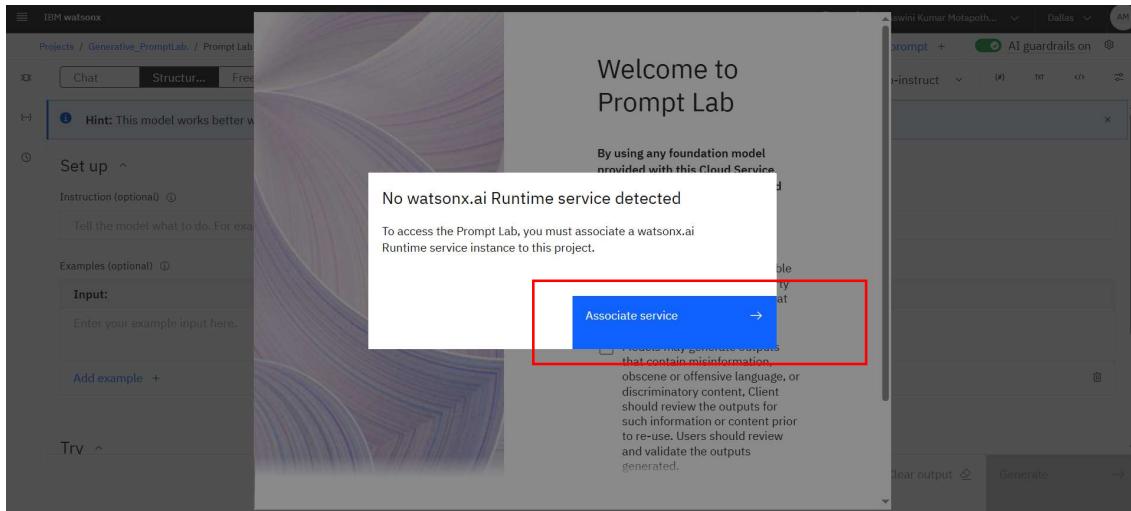
Step13: Click on Associate Service.



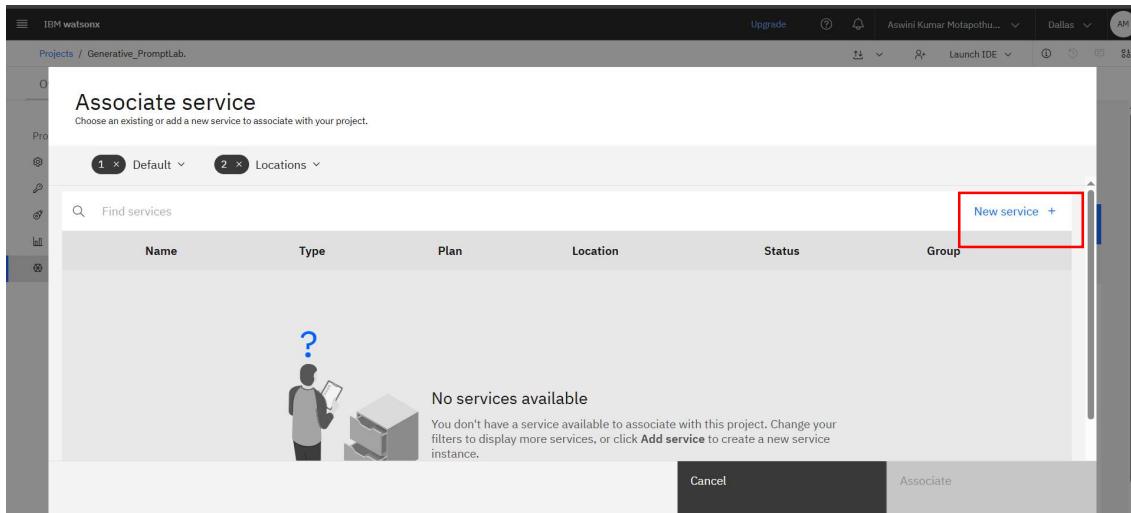
Click on Create.



Click on Associate Service.



Click on New service.



Step14: Choose Watson.ai Runtime.

The screenshot shows the 'Associate service' step in the IBM Watsonx interface. The search bar at the top right contains the text '/ Machine Learning'. Below it, a 'Category' sidebar lists options like AI / Machine Learning, Analytics, Databases, Developer tools, Integration, and Storage. The main area displays three service cards: 'watsonx.governance' (AI / Machine Learning • Analytics), 'watsonx.ai Studio' (AI / Machine Learning), and 'watsonx.ai Runtime' (AI / Machine Learning). The 'watsonx.ai Runtime' card is highlighted with a red box. It includes a brief description: '(Formerly known as Watson Studio) Develop powerful AI...'. At the bottom left, there's an 'Analytics' section with a URL: https://dataplatform.cloud.ibm.com/data/catalog?context=ww&target=ww&tarsheet_mode=true#.

Click on Create.

The screenshot shows the 'Associate service' step for the 'watsonx.ai Runtime' service. The top navigation bar includes 'Upgrade', 'Bell', 'Aswini Kumar Motapothu...', 'Dallas', and 'AM'. The main content area shows the 'Summary' of the service, which includes the service name, region (Dallas), plan (Lite), service name (watsonx.ai Runtime-ff), and resource group (Default). Below the summary, there are tabs for 'Plan', 'Features', and 'Pricing'. A large blue 'Create' button is highlighted with a red box. To its right are 'View terms' and 'Cancel' buttons.

Click on Check box, click on Associate.

The screenshot shows the 'Associate service' dialog in the IBM Watsonx interface. The dialog title is 'Associate service' and the sub-instruction is 'Choose an existing or add a new service to associate with your project.' Below this, there are two dropdown menus: 'Default' (containing one item) and 'Locations' (containing two items). A search bar labeled 'Find services' is present. A table lists a single service entry:

Name	Type	Plan	Location	Status	Group
watsonx.ai Runtime-ff	watsonx.ai Runtime	Lite	Dallas	◆ Not associated	Default

At the bottom right of the dialog are 'Cancel' and 'Associate' buttons. The entire table row is highlighted with a red border.

This screenshot shows the same 'Associate service' dialog as the previous one, but with a key difference: the checkbox next to the service entry 'watsonx.ai Runtime-ff' is now checked. The rest of the dialog, including the table and buttons, appears identical to the first screenshot. The 'Associate' button at the bottom right is highlighted with a blue rectangle and a red border.

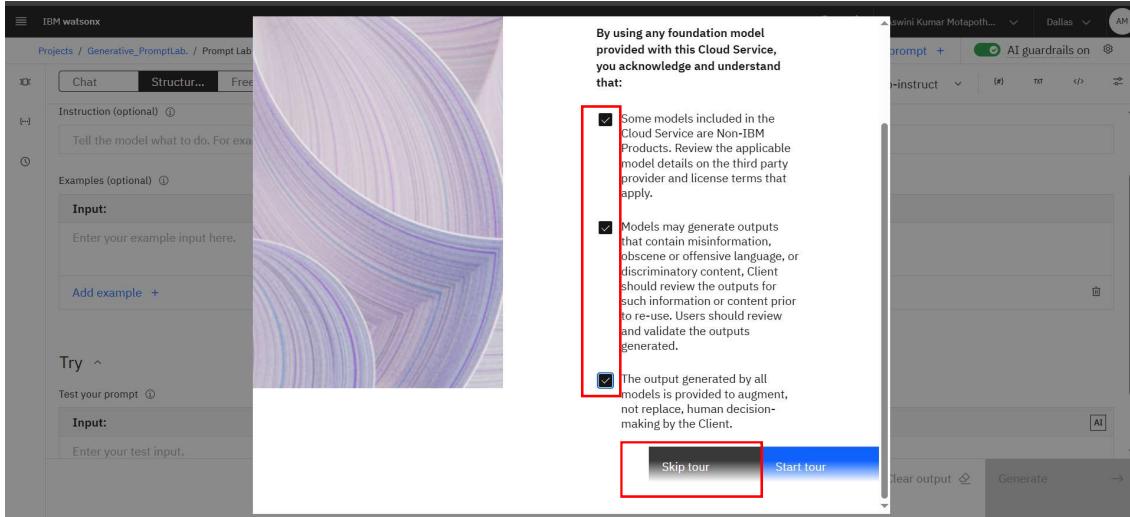
Step15: Click on Overview.

The screenshot shows the IBM Watsonx interface for a project named 'Generative_PromptLab'. The top navigation bar includes 'Upgrade', a user profile for 'Aswini Kumar Motapothu...', 'Dallas', and a search bar. Below the bar are tabs: 'Overview' (highlighted with a red box), 'Assets', 'Deployments', 'Jobs', and 'Manage'. On the left, a sidebar lists 'Project' sections: General, Access control, Environments, Resource usage, and Services & integrations (which is also highlighted with a blue box). The main content area is titled 'Services & integrations' and shows a table for 'IBM services (1)'. The table has columns for 'Name' and 'Service type'. One entry is listed: 'watsonx.ai Runtime-ff' under 'watsonx.ai Runtime'. A 'Find services' search bar and an 'Associate service' button are also present.

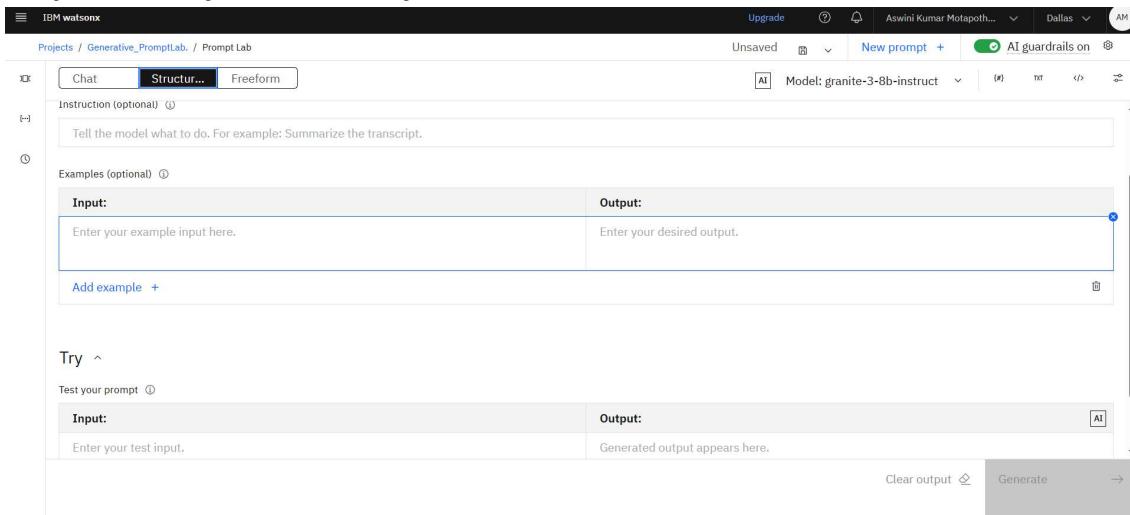
Click on Chat and build prompts with foundation models.

This screenshot shows the same project overview page as above, but with a different focus. The 'Overview' tab is selected (highlighted with a blue box). In the 'Start working' section, the third item, 'Chat and build prompts with foundation models', is highlighted with a red box. This section contains a link to 'Tune a foundation model with labeled data'. Below this, there are three cards: 'Jump back in' (with a note about assets), 'Resource usage' (showing 0 CUH and 0 Tokens), and 'Project history' (showing a recent creation message).

Click all the check boxes , Skip tour.



Step16: Here you can train your model.



The screenshot shows a user interface for generating AI summaries. At the top, there are tabs for Chat, Structur..., and Freeform, with Structur... selected. Below this is an 'Instruction (optional)' field containing the text: 'Tell the model what to do. For example: Summarize the transcript.' Underneath is an 'Examples (optional)' section with a table:

Story	Summary
One day, Nobita finds an old photo of his great-grandfather and becomes curious. He asks Doraemon to take him to the past using the Time Machine. They travel back to meet his great-grandfather and help him win a local kite-flying competition. With Doraemon's gadgets, they manage to outsmart the bullies and make the day memorable. Nobita returns to the present with a proud smile and a deeper respect for his family.	Nobita wants to meet his great-grandfather after finding an old photo. Doraemon uses his Time Machine to take them to the past. They help his great-grandfather win a kite competition.

Below the examples is a 'Try' button followed by a dropdown menu. The main area shows a 'Story' input field with the same Nobita and Doraemon story, and a 'Summary' output field where the generated summary is displayed. A red box highlights the 'Generate' button at the bottom right of the summary area.

Step17: Now you can try with your examples. Like below. Click on Generate.

This screenshot shows the AI interface with a different story. The 'Story' input field contains a story about Motu and Patlu finding a genie in an old lamp. The 'Summary' output field shows the generated summary. A red box highlights the 'Generate' button at the bottom right of the summary area.

This the output.

This screenshot shows the AI interface with a story about Nobita accidentally breaking his grandfather's antique vase. The 'Story' input field contains the story, and the 'Summary' output field shows the generated summary. A red box highlights the 'Generate' button at the bottom right of the summary area.

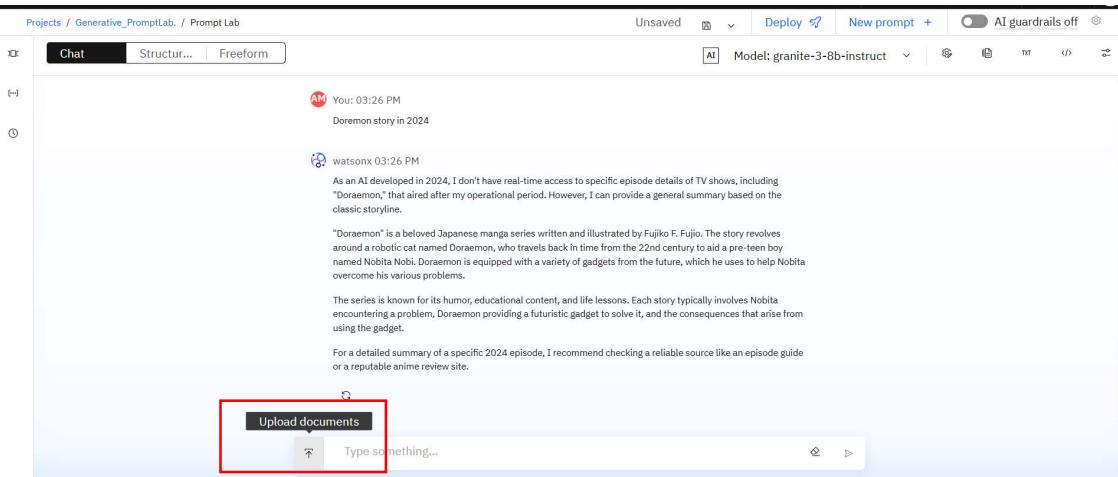
You can try with freeform, You add your prompt in plain text. Your prompt text is sent to the model exactly as you typed it.

The screenshot shows the IBM Watson PromptLab interface in Freeform mode. A user prompt "Give me Summary of Shinchan in 5 lines" is entered. The AI response provides a summary of the manga series, mentioning its creation by Yoshito Usui, its main character Shin-chan, and its setting in Shinchan's daily life. The response also notes the series' irreverent humor and unique art style. At the bottom, it indicates a stop reason due to token limits and provides performance metrics: 12 input + 200 generated = 212 tokens out of 131072, with a time of 2.3 seconds.

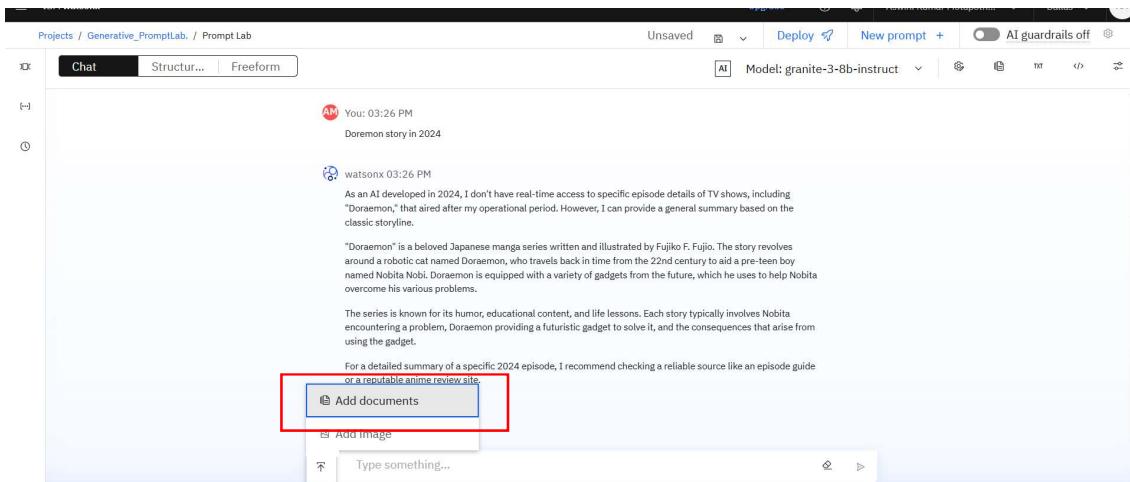
In chat , You can chat with the foundation model to see how the model handles dialog or question-answering tasks.

The screenshot shows the IBM Watson PromptLab interface in Chat mode. A user asks about the Doraemon story in 2024. The AI responds by providing a general summary of the Doraemon manga series, mentioning its main character, Nobita Nobi, and its futuristic gadgets. It also notes the series' educational content and life lessons. The AI concludes by suggesting checking a reliable source for a detailed summary of a specific episode.

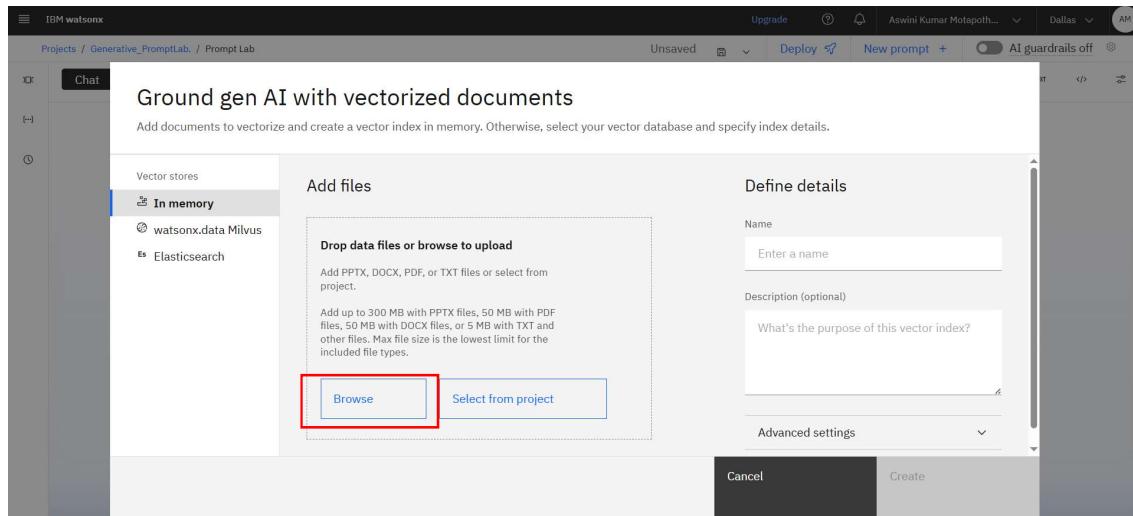
Upload any document here , you can chat with your document.



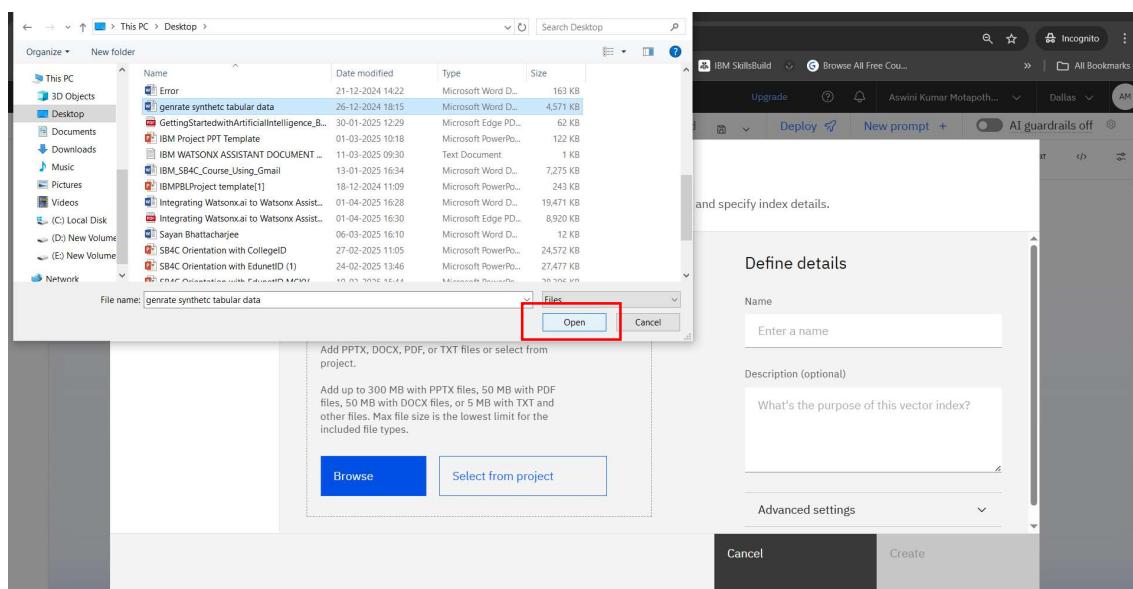
Click on Add document.



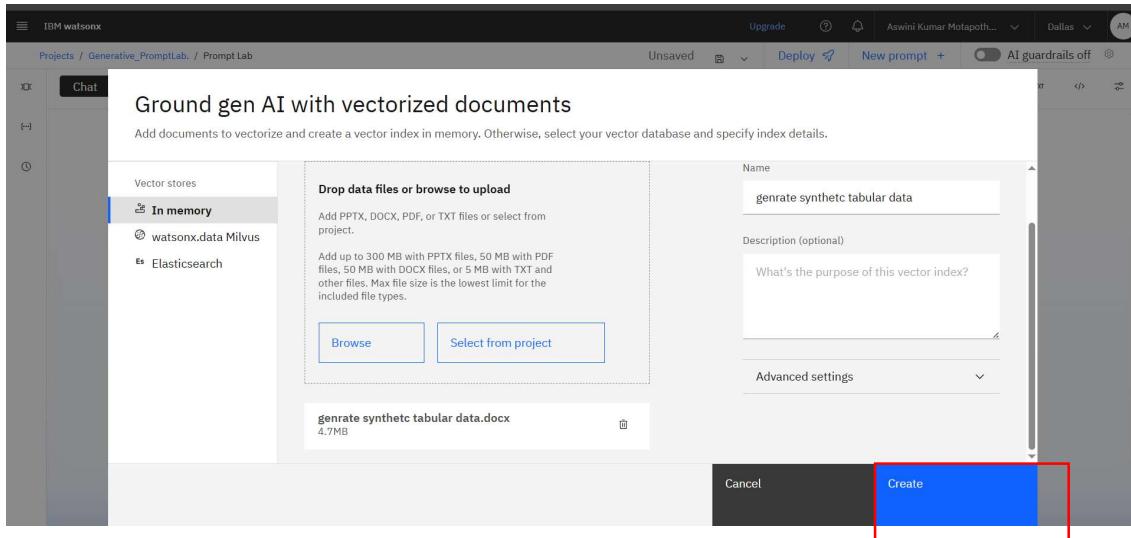
Click on Browse



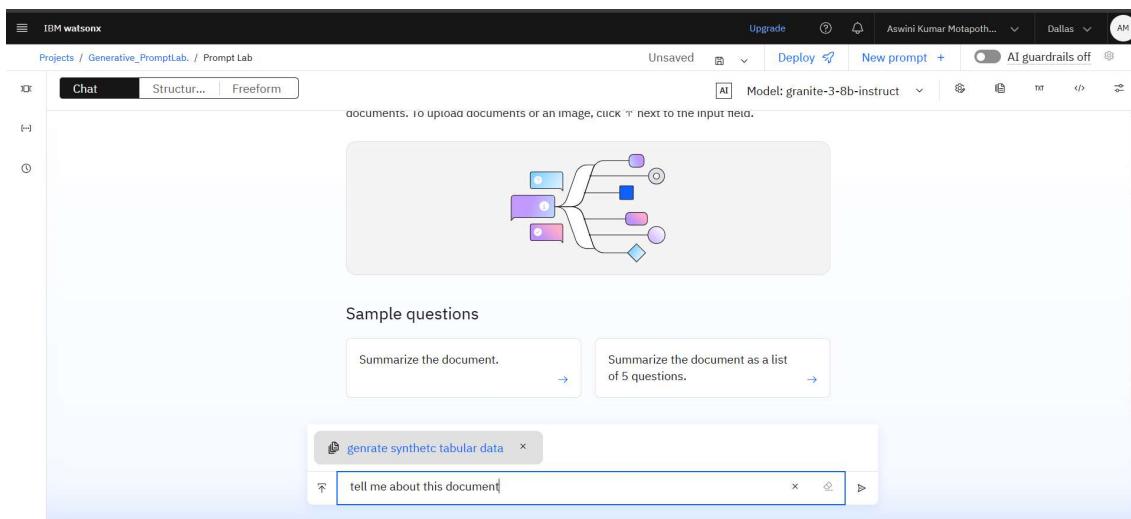
Choose your document, click on Open.



Click on Create.



Document uploaded, chat with your document.



This is output .

The screenshot shows a user interface for a generative AI tool, likely PromptLab. At the top, there's a navigation bar with 'Projects / Generative_PromptLab. / Prompt Lab'. The main area has tabs for 'Chat' (which is selected), 'Structur...', and 'Freeform'. Below the tabs, there's a sidebar with icons for 'Context', 'Title', 'Author', and 'Date'. The main content area displays a document summary:

Context:
Title: "The Impact of Climate Change on Global Agriculture"
Author: Dr. Jane Smith
Date: January 1, 2024
Summary: This document explores the effects of climate change on global agriculture, focusing on changes in temperature, precipitation patterns, and extreme weather events. It discusses the potential impacts on crop yields, food security, and agricultural economies worldwide. The author, Dr. Jane Smith, is a renowned climate scientist and agricultural economist.

Key Points:

1. Rising temperatures and altered precipitation patterns are expected to affect crop growth and productivity.
2. Increased frequency of extreme weather events, such as droughts and floods, can lead to significant crop losses.
3. The impacts of climate change on agriculture are not uniform across regions; some areas may experience benefits, while others face severe challenges.

A. Adaptation strategies, such as developing climate-resilient crop varieties, and

In the bottom right corner of the main content area, there's a small input field with a placeholder 'Type something...' and a 'generate synthetic tabular data' button.