



IBM Developer SKILLS NETWORK

Estimated time needed: 40 minutes

In this lab you will explore Watson Studio

Objectives - After completing this lab, you will be able to:

- Use Watson Studio service to create a project
- Add an interactive python notebook to a project in Watson Studio

Pre-requisite

You need an IBM Cloud account to create a project in Watson Studio. If you don't have an account created already, click and open this [link](#) and follow the instructions, to create an IBM Cloud account.

Exercise - Create a project on Watson Studio

If you have not created a Watson service before proceed with Task 1, otherwise go to Task 2

Task 1: For New Users (with no Watson service):

1. [Click here](#) to go to the IBM Cloud Watson Studio page. To create a Watson service, choose a plan you want to use, click **Create**. In the image below, the *Lite* plan has been chosen.

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage Lavanya Sunde...

Catalog / Services /

Watson Studio

Author: IBM • Date of last update: 12/06/2020 • Docs

Create About

Select a region

Select a region

Dallas

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: [United States](#)

Plan	Features	Pricing
Lite	1 authorized user 50 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 = Environment + 5	Free

The Lite plan for Watson Studio offers everything you need to become a better data scientist or domain expert in a collaborative environment.

Lite plan services are deleted after 30 days of inactivity.

Summary

Watson Studio **Free**

Region: Dallas
Plan: Lite
Service name: Watson Studio-go
Resource group: Default

Create

Add to estimate

View terms

FEEDBACK

2. On the Watson Studio page, click on **Launch in IBM Cloud Pak for Data**.

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Manage

Geetika Pal's Account

Resource list /

Watson Studio-35

Active


Add tags

Details

Actions...

Manage

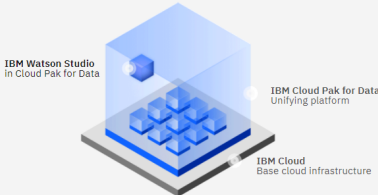
Plan



Watson Studio in Cloud Pak for Data

Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.

Launch in IBM Cloud Pak for Data



IBM Watson Studio in Cloud Pak for Data

IBM Cloud Pak for Data Unifying platform

IBM Cloud Base cloud infrastructure

IBM Watson Studio is part of IBM Cloud Pak for Data and serves as the data science 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 Watson Studio and Cloud Pak for Data as a Service.

Task 2: For Existing Users (who already have Watson Service):

1. Go to the IBM Cloud Dashboard and click Services.

IBM Cloud

Search resources and offerings...

🔍

Catalog

Docs

Support

Manage

Lavanya Sunde...

📁

✍️

🔔

👤

Dashboard

Upgrade account

Create resource

Resource summary

View all

6

Resources

Services

Storage

5

1

View all (2)...

Planned maintenance

View all

Clear skies!

You can view your scheduled maintenance events here.

For you

Get started with using AI and Cloud Object Storage in 15 minutes.

Get Started with Watson Studio

Watson Assistant lets you build conversational interfaces into any application, device, or channel.

Use Watson Assistant

Refresh

News

View all

Coca-Cola European Partners Signs a Multiyear Agreement with IBM to Accelerate its Strategic Transformation Journey with...

Daimler Expands Relationship with IBM; Adopts IBM public cloud for its security capabilities

Wipro and IBM Collaborate to Help Clients

Recent support cases

View all

User access

Manage users

Enter email addresses below to jump directly into the invite user setup:

Enter up to 100 email addresses

IBM Cloud status

View all

2. When you click on Services, all your existing services will be shown in the list. Click the Watson Studio service you created:

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Manage

Lavanya Sund...

Resource list

Create resource

Name	Group	Location	Offering	Status	Tags
<div>Q Filter by name or IP address...</div> <div>Filter by group or org...</div>	Filter...	Filter...	Q Filter...	Q Filter...	Filter...
<div> <div>Devices (0)</div> <div>VPC infrastructure (0)</div> <div>Clusters (0)</div> <div>Cloud Foundry apps (0)</div> <div>Cloud Foundry services (0)</div> <div>Services (5)</div> </div>					
<div>Analytics Engine-8h</div> <div>Default</div> <div>London</div> <div>Analytics Engine</div> <div>Active</div> <div>—</div> <div></div>					
<div>Discovery-h0</div> <div>Default</div> <div>Dallas</div> <div>Discovery</div> <div>Active</div> <div>—</div> <div></div>					
<div>Machine Learning-6r</div> <div>Default</div> <div>Dallas</div> <div>Machine Learning</div> <div>Active</div> <div>—</div> <div></div>					
<div>Visual Recognition-wm</div> <div>Default</div> <div>Dallas</div> <div>Visual Recognition</div> <div>Active</div> <div>—</div> <div></div>					
<div>Watson Studio-qo</div> <div>Default</div> <div>Dallas</div> <div>Watson Studio</div> <div>Active</div> <div>—</div> <div></div>					
<div> <div>Storage (1)</div> <div>Network (0)</div> <div>Cloud Foundry enterprise environments (0)</div> </div>					

FEEDBACK

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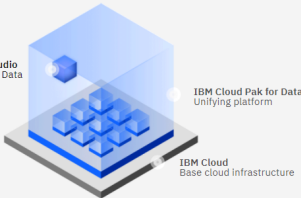
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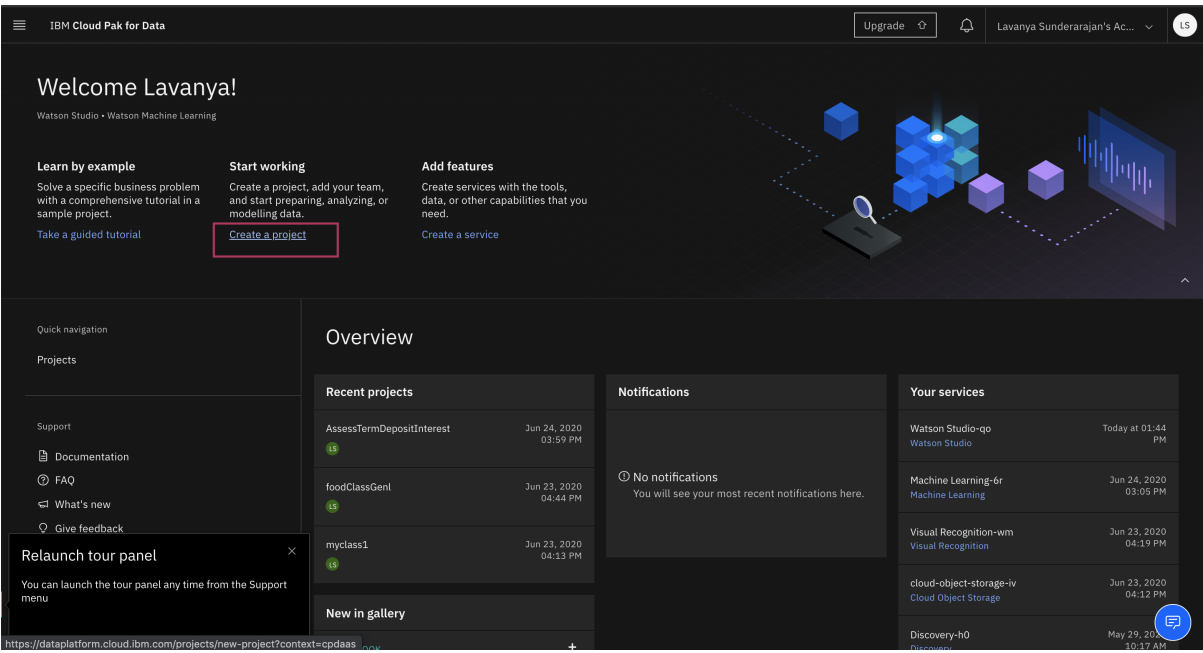
Start a step-by-step tutorial to get up and running quickly.

Videos

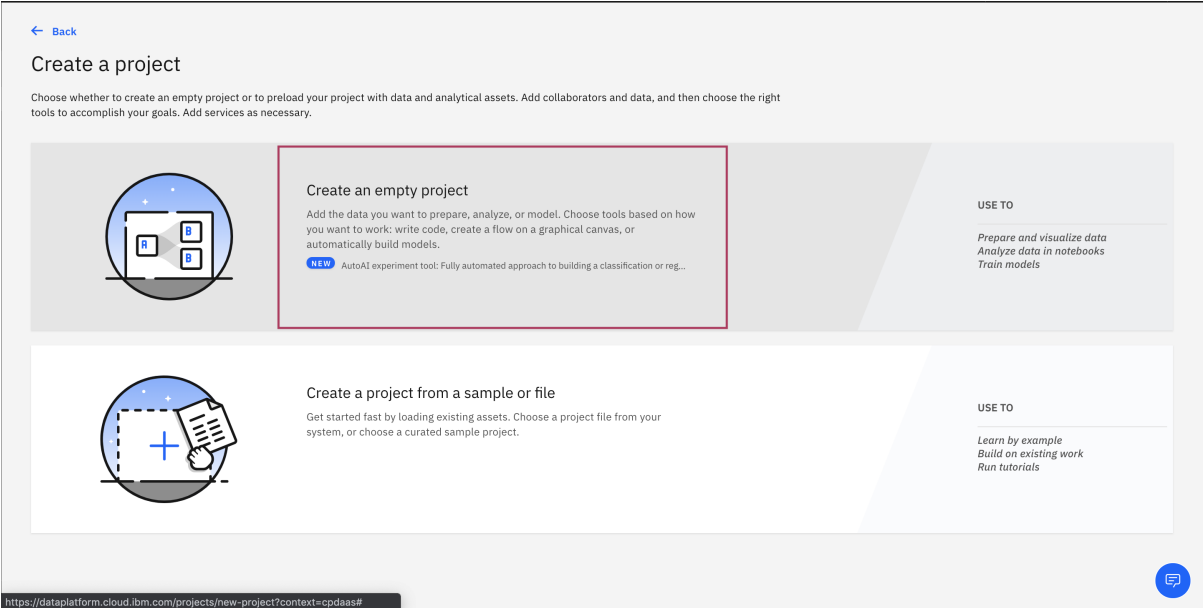
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Task 3: Creating a Project

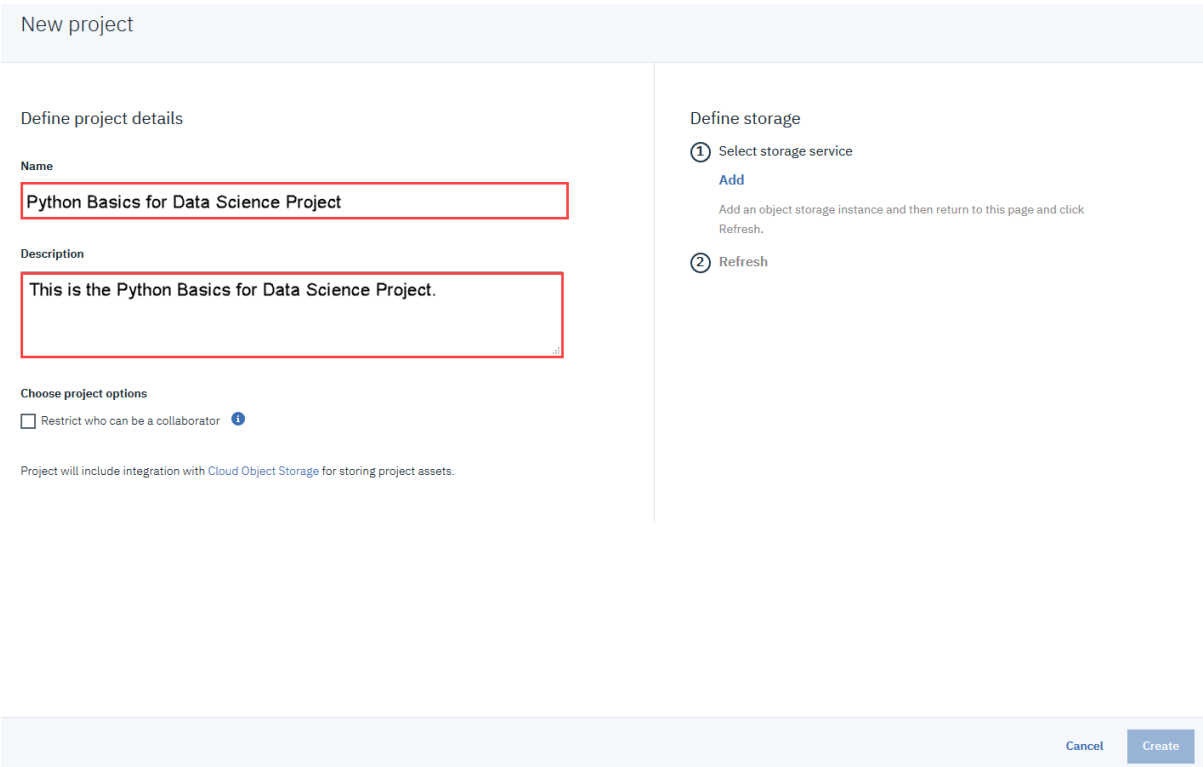
- ### 1. Click on **Create a project**



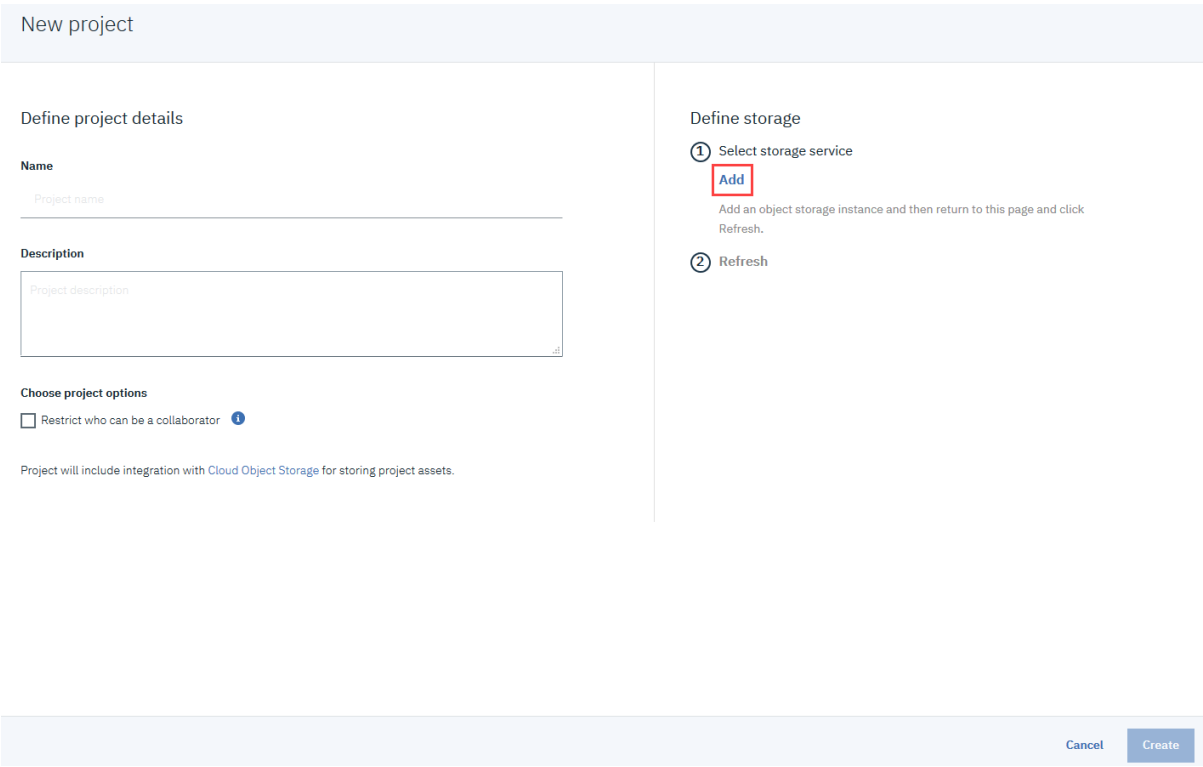
2. On the Create a project page, click **Create an empty project**



3. Provide a **Project Name** and **Description**, as shown below:



4. You must also create storage for the project. Click **Add**



5. On the Cloud Object Storage page, scroll down and then click **Create**.

IBM Watson Studio

Upgrade

IBM Watson Studio Account

Existing

New

Cloud Object Storage

IBM Cloud Object Storage is a highly scalable cloud storage service, designed for high durability, resiliency and security. Store, manage and access your data via our self-service portal and RESTful APIs. Connect applications directly to Cloud Object Storage use other IBM Cloud Services with your data.

Features

Storage for the IBM Cloud

IBM Cloud Object Storage provides unstructured data storage for cloud applications. Libraries and SDKs support a common set of S3 API functions for connecting new applications to scalable cloud storage and integrating your data into other services on the IBM Cloud Platform as well as IBM Watson services. IBM Cloud Object Storage is available with Regional, Cross Region and single site resiliency options worldwide.

Built-in Aspera high-speed transfer

With IBM Cloud Object Storage Aspera high-speed data transfer, you can improve data transfer performance by quickly transferring data over long distances, and under various network conditions. It is natively integrated into Cloud Object Storage and there is no additional cost for uploading data.

Storage Classes and Archive Policy

Choose storage classes based on your usage patterns for active, less-active, and cold workloads with Standard, Vault, and Cold Vault respectively. Use Flex class for dynamic data access with usage patterns that are hard to predict. For rarely used data that requires long-term retention, simply set an Archive policy with our existing storage-class tiers allowing you to reduce costs even further with our lowest priced Archive storage.

Access and Key Management

IBM Identity and Access Management (IAM) policies allow for granular access control at the bucket level using role-based policies. Key Protect support allows customers to have their own managed encryption keys for higher level data security.

Pricing Plan: Monthly Process shown above reflect the: United States

PLAN	FEATURES	PRICING
<div><div>Life</div></div>	<div><div>1 COS Service Instance</div><div>Storage up to 25 GB/mo.</div><div>Up to 20,000 GET requests/mo.</div><div>Up to 2,000 PUT requests/mo.</div><div>Up to Data Retrieval 10 GB/mo.</div><div>Up to 5GB Public Outbound</div><div>Applies to aggregate total across all storage bucket classes</div></div>	<div>Free</div>

Standard

There is no minimum fee, so you pay only for what you use.

Expand each section to view details

Cancel

Create

6. In the Confirm Creation box, click **Confirm**.

Confirm Creation

Plan

Lite

Resource group

Default

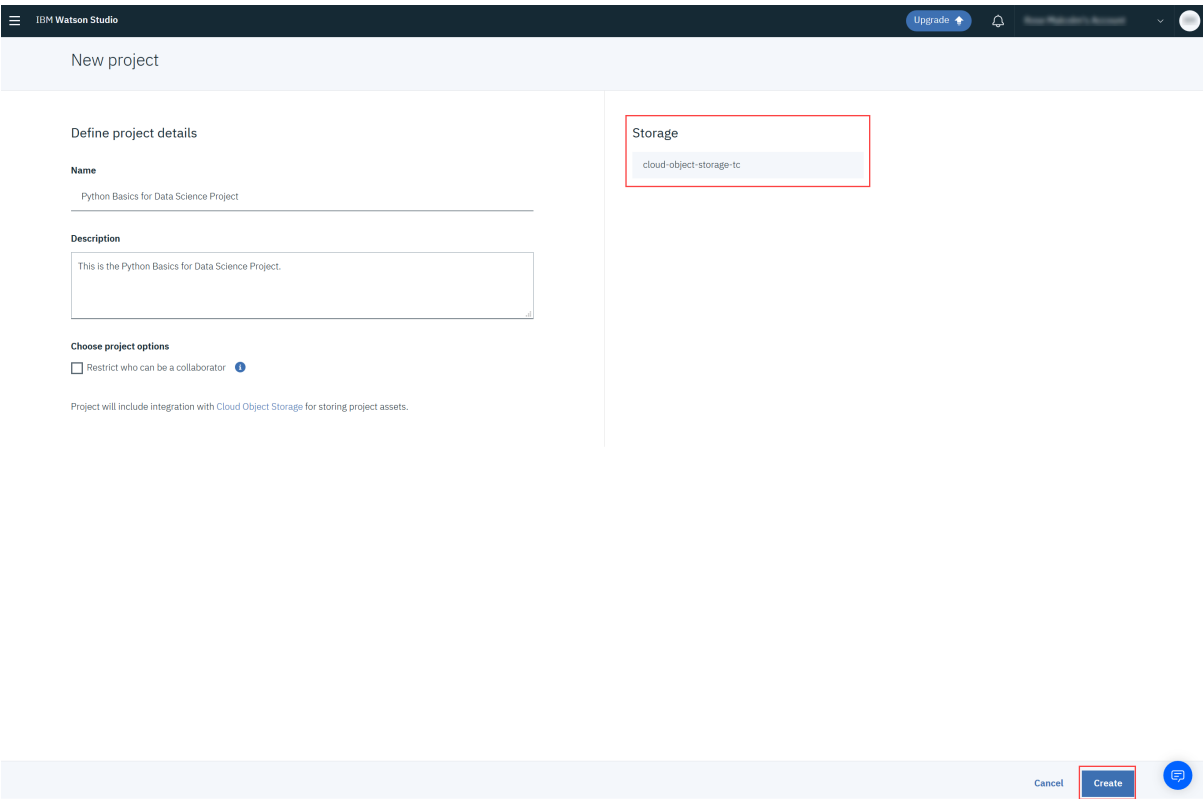
Service name

cloud-object-storage-ai

Cancel

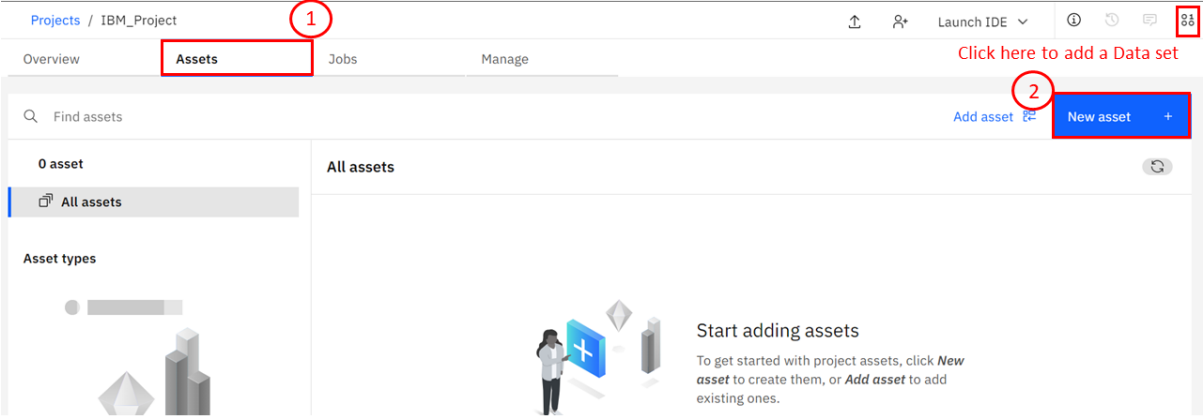
Confirm

7. On the New project page, note that the storage has been added, and then click Create.

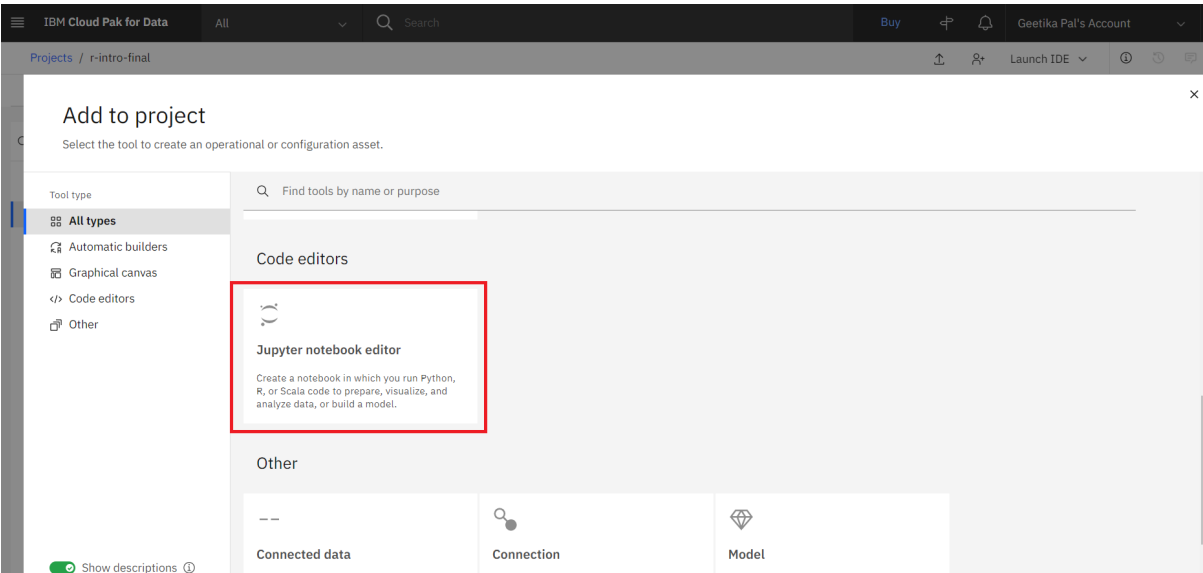


Task 4: Creating a Notebook to the Project:

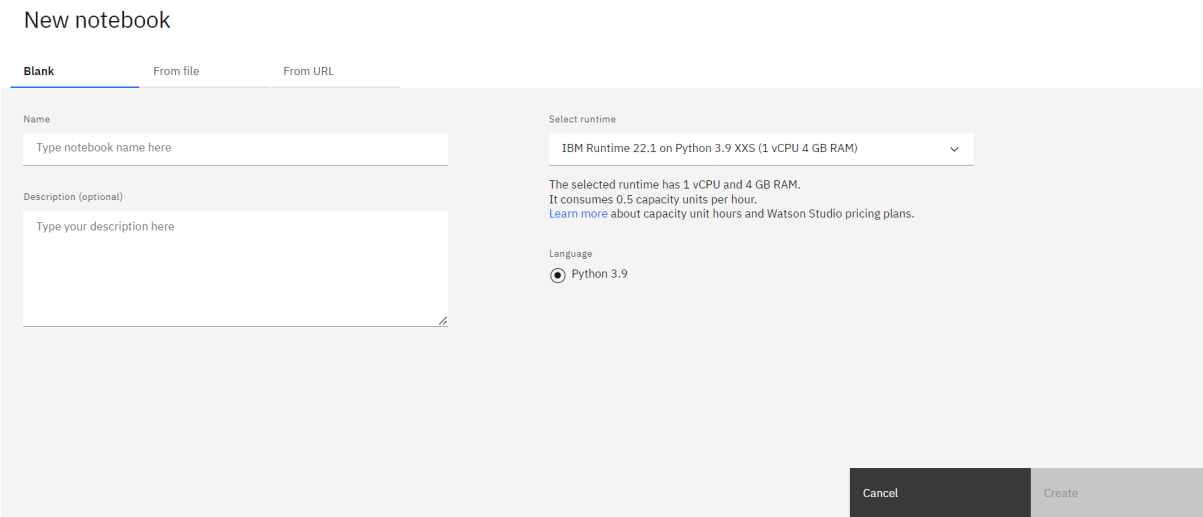
You need to create a Notebook for your project. Click on **Assets** and then click on **New asset**.



Now, click on **Jupyter Notebook editor**:



On the New Notebook page, enter a name for the notebook, and then click **Blank** and click **Create** at the bottom of the screen.



You will see an empty Notebook:



Author(s)

[Joseph Santarcangelo](#)

Changelog

Date	Version	Changed by	Change Description
2022-04-05	2.4	Malika	Updated Screenshot
2022-02-23	2.3	Geetika Pal	Updated Screenshot
2020-10-27	2.2	Aije E	Created Step 3 for starting a blank Notebook
2020-10-13	2.1	Aije E	Took out step to upload share Notebook
2020-09-17	2.0	Shubham	Migrated Lab to Markdown and added to course repo in GitLab