

Hands-on Lab : Getting Started with Watson Studio

Estimated time needed: 20 minutes

IBM Watson Studio provides you with the environment and tools to solve problems by collaboratively working with data. You can choose the tools you need to analyze and visualize data, to cleanse and shape data, to ingest streaming data, or to create and train machine learning models.

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.

Objectives

After completing this lab, you will be able to:

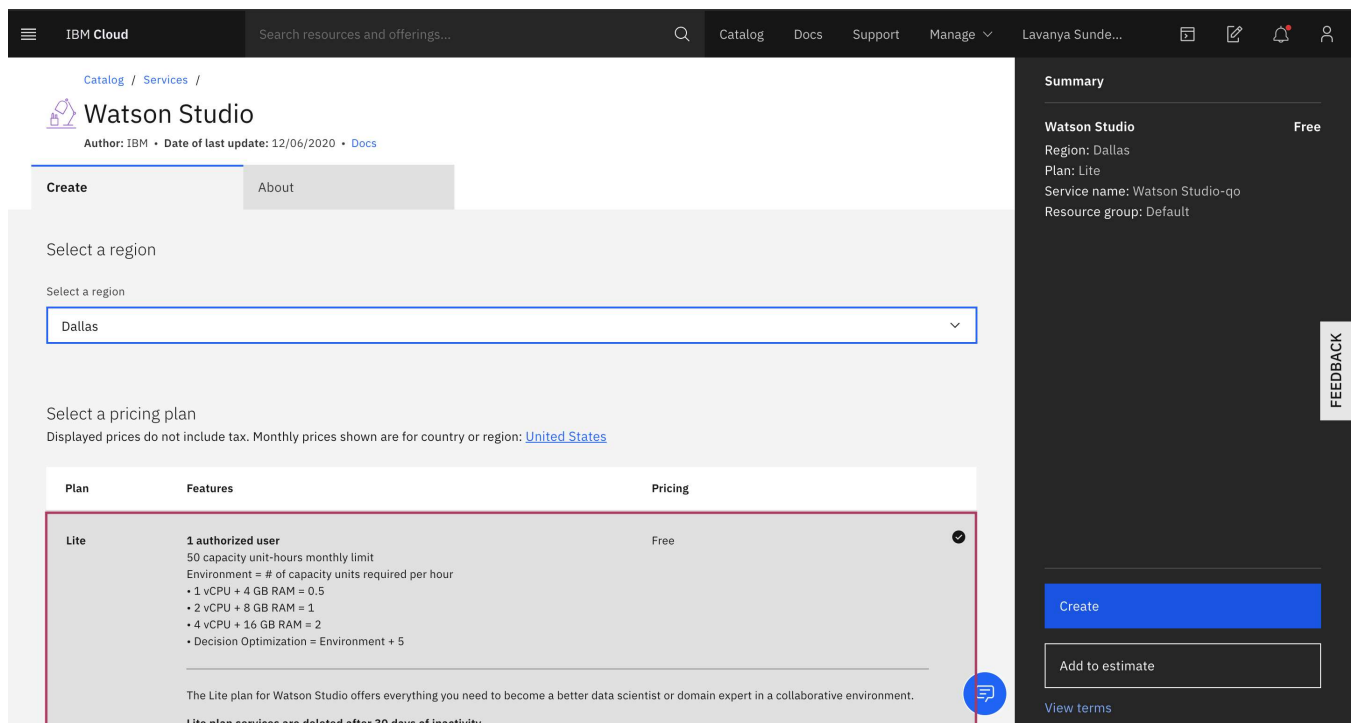
- Use Watson Studio service
- Create project in Watson Studio
- Add an interactive python notebook to a project in Watson Studio

Exercise 1: 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.

Create

Add to estimate

View terms

FEEDBACK

2. On the Watson Studio page, click on **Get Started**.

Resource list / **Watson Studio-xs** Active Add tags

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](#)

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 5

Storage 1

[View all \(2\)...](#)

Planned maintenance View all

For you Refresh

[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](#)

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

<https://cloud.ibm.com/resources?groups=resource-instance>

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 Sunde...

Resource list

Create resource +

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

3. On the Watson Studio page, click on **Get Started**.

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Manage

Lavanya Sunde...

Resource list /

Watson Studio-qo

Active


Add tags

Details

Actions...

Manage

Plan



Watson Studio

Welcome to Watson Studio. Let's get started!

Get Started

Documentation

From getting started to how to's — see what's available.

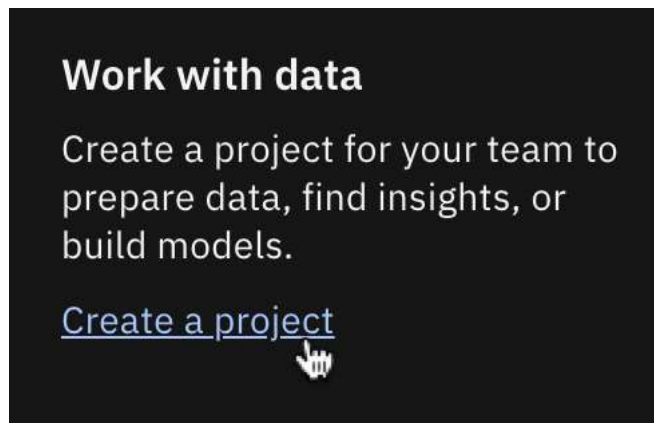
Community

Check out our tutorials, articles, along with sample notebooks and data sets you can use to get going.

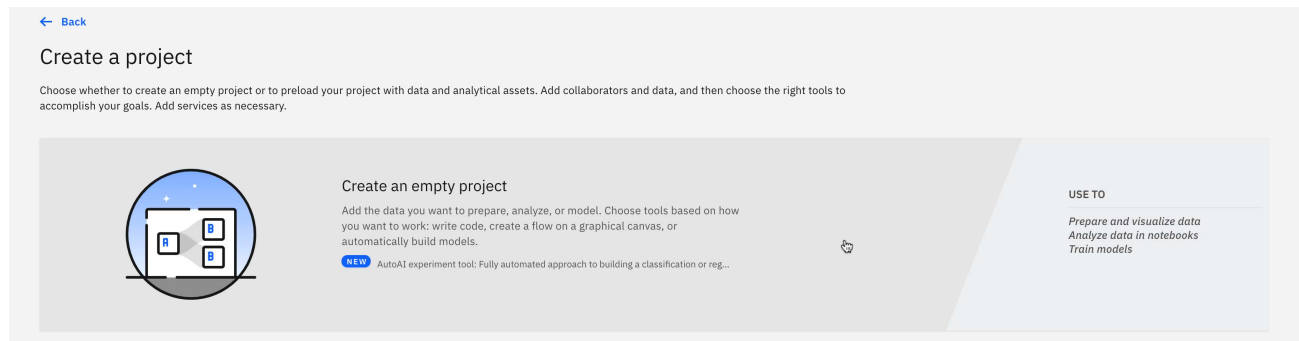
Exercise 2: Creating a Project

In this exercise, you will create a project.

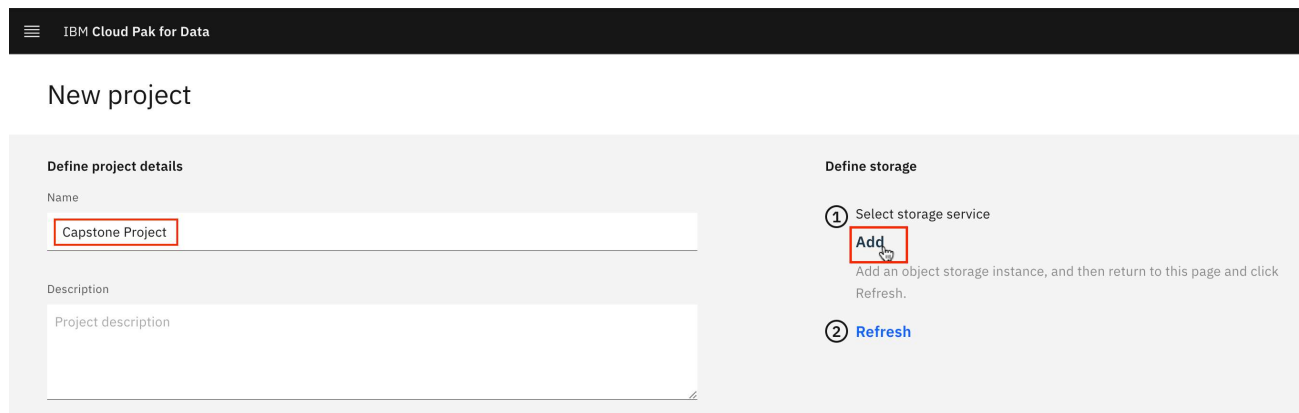
- On the IBM Cloud Pak for Data welcome page, click **Create a project**.



2. Click **Create an empty project**.



3. Provide a **Project Name** and **Description** and click **Add** on Select storage service if no storage service appears. If a storage appears, proceed to step 6 directly.



4. You will be redirected to a new page. On the **Create** tab, select **Lite** plan. Then click **Create**.

IBM Cloud Pak for Data

Services catalog /

Cloud Object Storage

Author: IBM • Date of last update: Sep 23, 2020 • Docs • API Docs

CreateAbout

Pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
Lite	1 COS Service Instance Storage up to 25 GB/month Up to 2,000 Class A (PUT, COPY, POST, and LIST) requests per month Up to 20,000 Class B (GET and all others) requests per month Up to 10 GB/month of Data Retrieval Up to 5GB of egress (Public Outbound) Applies to aggregate total across all storage bucket classes The Lite service plan for Cloud Object Storage includes Regional and Cross Regional resiliency, flexible data classes, and built in security. Lite plan services are deleted after 30 days of inactivity.	Free
Standard	There is no minimum fee, so you pay only for what you use.	See pricing details

Configure your resource

Service name

Cloud Object Storage-iu

Select a resource group

Default

Create

[View terms](#)

5. Now you will be redirected to the previous new project page. Click **Refresh**.

IBM Cloud Pak for Data

New project

Define project details

Name

Capstone Project

Description

Project description

Define storage

1 Select storage service

Add

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

2 Refresh

6. Once you see a storage service, click **Create**.

IBM Cloud Pak for Data

Sandip Saha Joy's Account

New project

Define project details

Name
Capstone Project

Description
Project description

Choose project options

☐ Restrict who can be a collaborator ⓘ

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

Storage
Cloud Object Storage-iu

Cancel Create

7. You have successfully created a project. Click **IBM Cloud Pak for Data** at the top left to go back to homepage.

Projects / IBM_Project

Overview **Assets** Jobs Manage

Find assets

Add asset New asset +

0 asset

All assets

Asset types

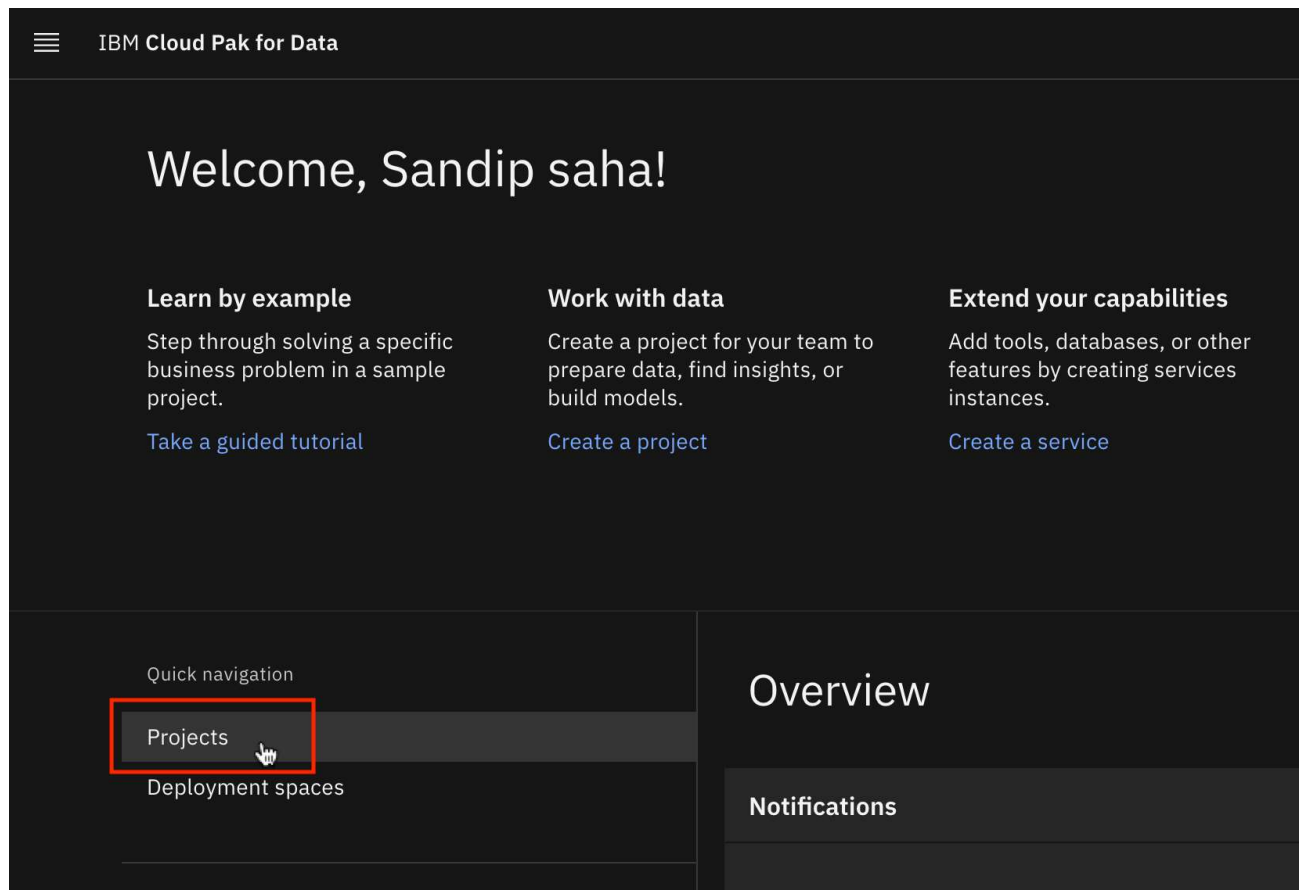
Start adding assets

To get started with project assets, click **New asset** to create them, or **Add asset** to add existing ones.

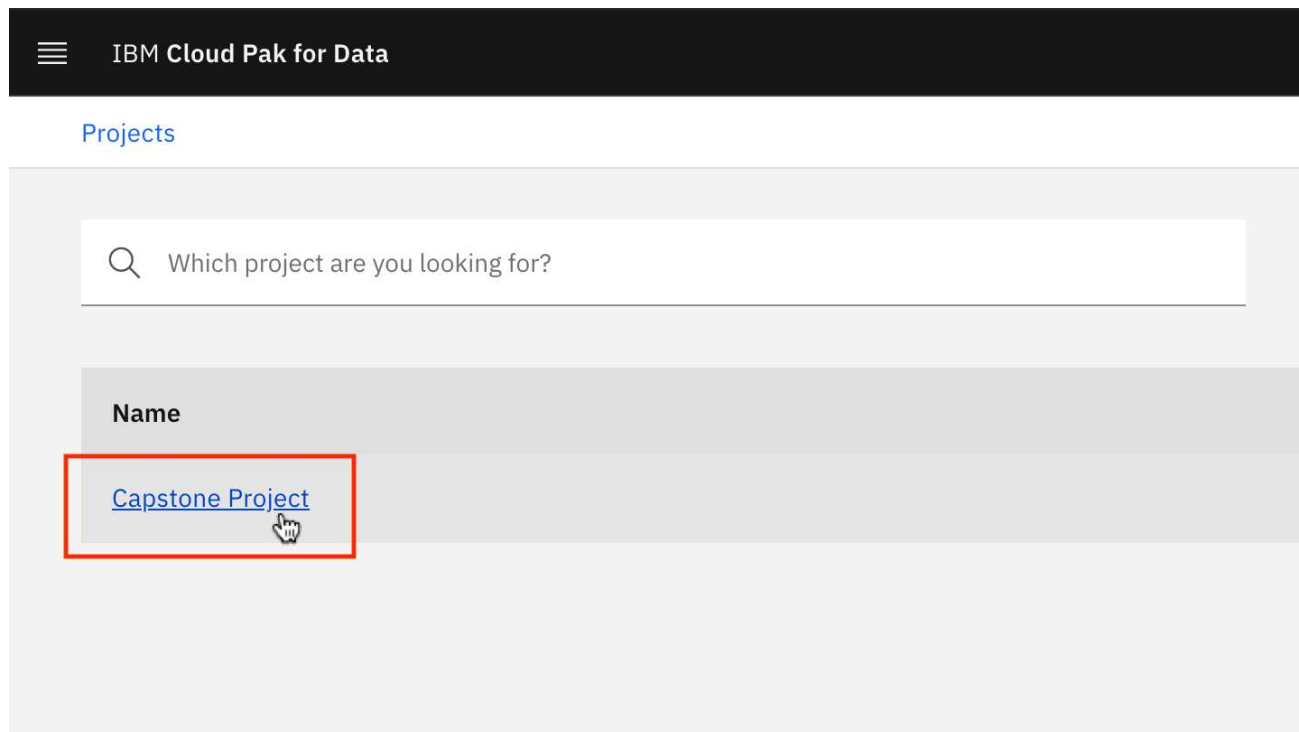
Exercise 3: Adding a Jupyter Notebook to the Project

In this exercise, you will add an IPYNB Jupyter notebook to the Project you created.

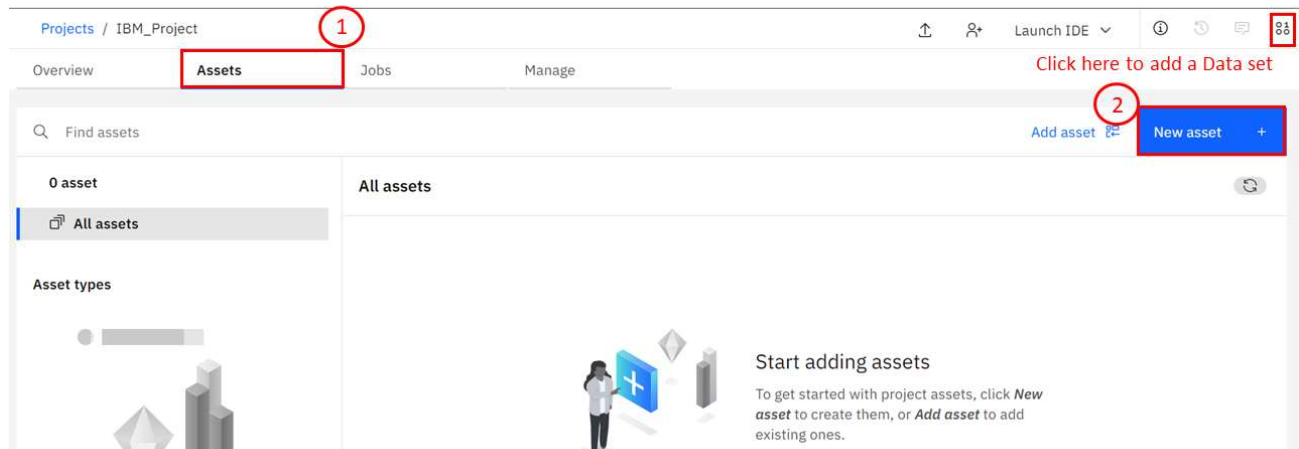
1. From IBM Cloud Pak for Data homepage, click **Projects** under Quick navigation.



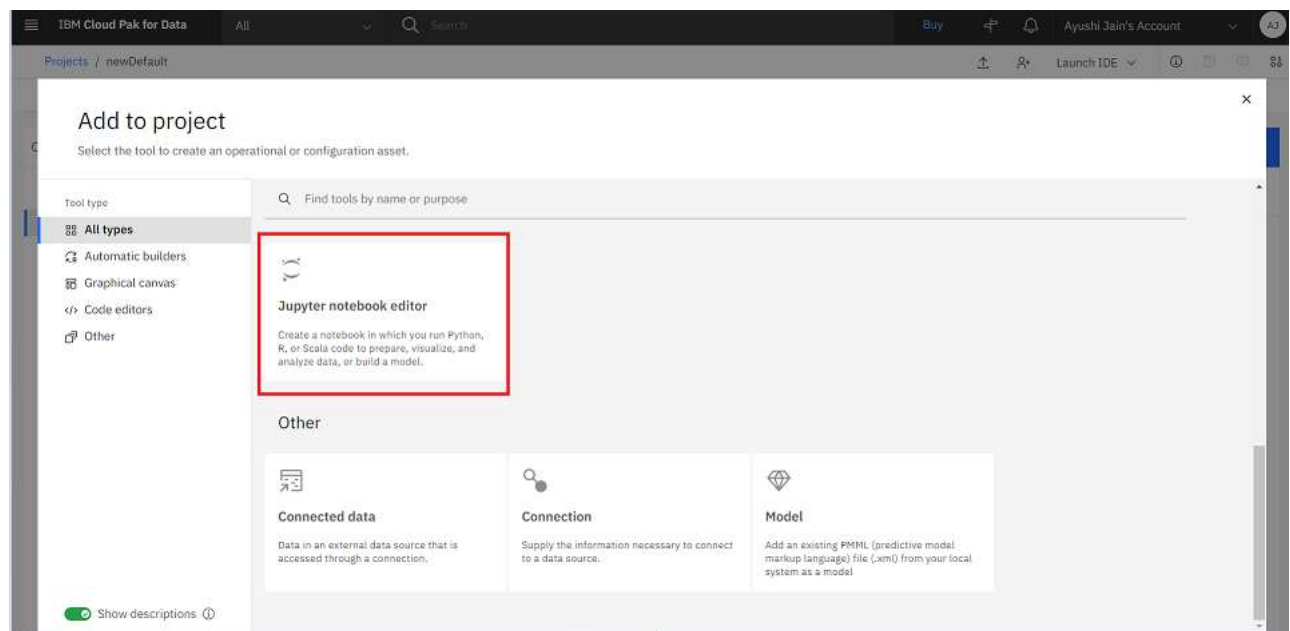
2. Select the project you created earlier.



3. On the **Overview** page of project, click **New asset**.



4. Select **Notebook**.



5.
 - o Right-click on this [Link](#) and copy the link address of the sample Jupyter notebook.
 - o Under **From URL** tab, name the Notebook as **Sample Jupyter Notebook**. Then paste the link of the sample Jupyter notebook to **Notebook URL** you just copied.

New notebook

Blank From file **From URL**

Name

Description (optional)

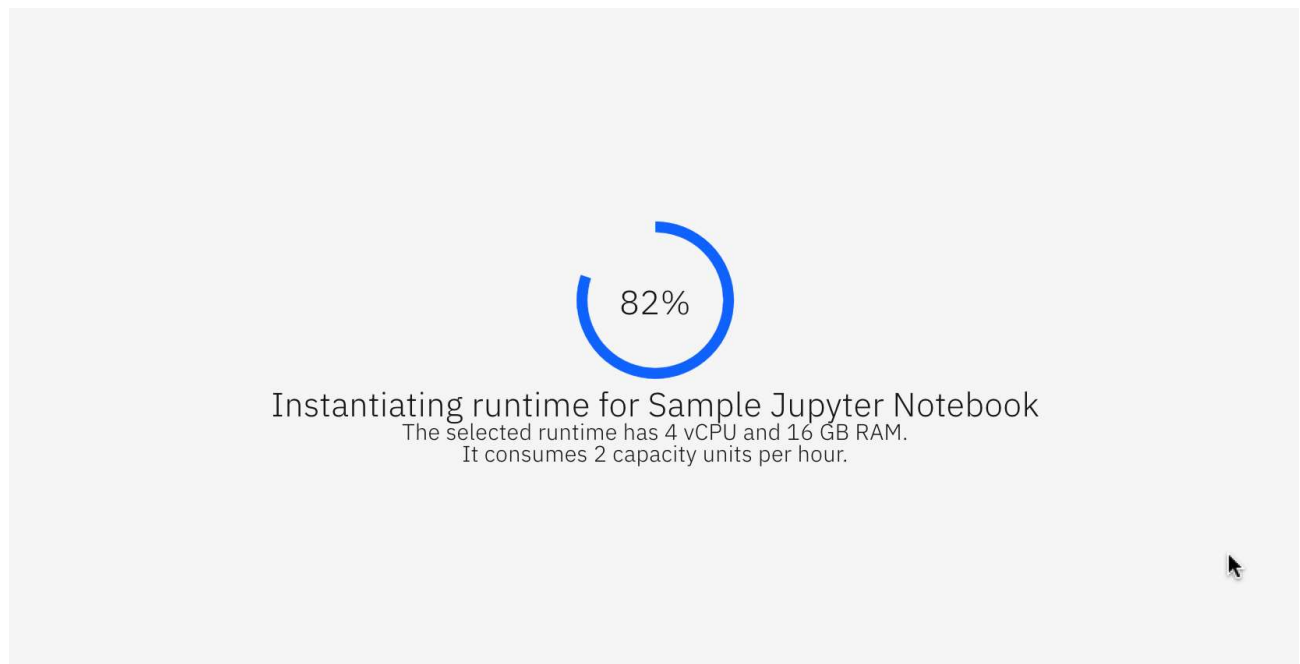
Select runtime

The selected runtime has 1 vCPU and 4 GB RAM.
It consumes 0.5 capacity units per hour.
[Learn more](#) about capacity unit hours and Watson Studio pricing plans.

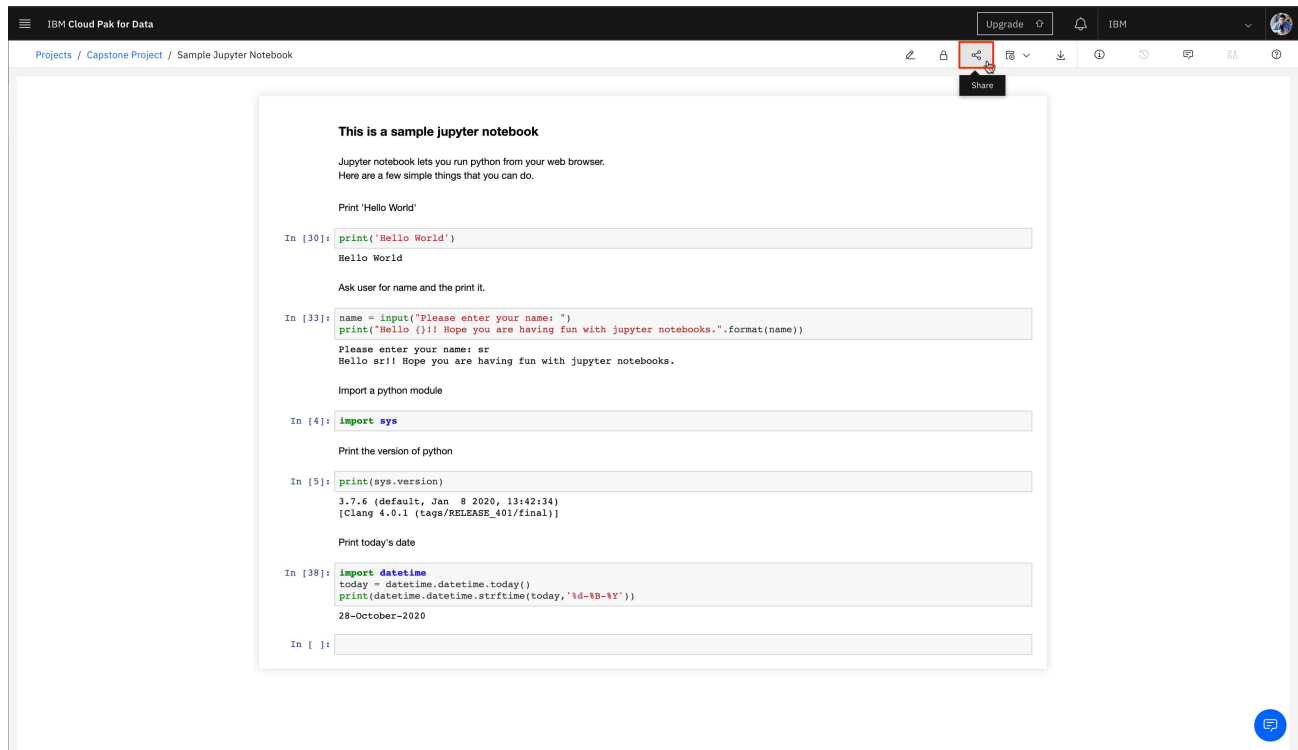
Notebook URL

Cancel Create

6. Wait until the notebook gets uploaded and become ready.



7. You have successfully added a Jupyter Notebook to the Project and opened it using Watson Studio. To share the notebook using permalink, click on the **Share** icon.



8. Click on the **toggle button** to turn on "Share with anyone who has the link". Select **All content, including code** from Cell content. Click on the **copy link** icon to copy the "Permalink to view notebook" and share the link if you need to share your work on the notebook. This link always points to the most recent saved version of the notebook.

Share: Sample Jupyter Notebook

×

Share a read-only view of this notebook.

Share with anyone who has the link.



Cell content

- ☐ Only text and output
- ☐ All content excluding sensitive code cells
- ☒ All content, including code

ⓘ If your notebook includes credentials for data sources, you might want to remove such sensitive data from the notebook or hide it (see option 2). A version is saved for your notebook. The link always points to the most recent version of the notebook.

Permalink to view notebook

<https://eu-gb.dataplatform.cloud.ibm.com/analytics/notebooks/v2/1ead203a-35f3-4b80-a218-f88e8f625bc8/view>



Copied!

Share on social media.



Close

Congratulations! You have completed this Lab.

Author

- [Sandip Saha Joy](#)

Other Contributor(s)

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Changelog

Date	Version	Changed by	Change Description
2022-04-05	1.1	Malika Singla	Updated screenshot
2020-10-23	1.0	Sandip Saha Joy	Initial version created

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