

(Optional) Hands-on Lab: Create IBM Cloud account and Watson Studio instance

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
- Create project in Watson Studio
- 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 <u>link</u> and follow the instructions, to create an IBM Cloud account.

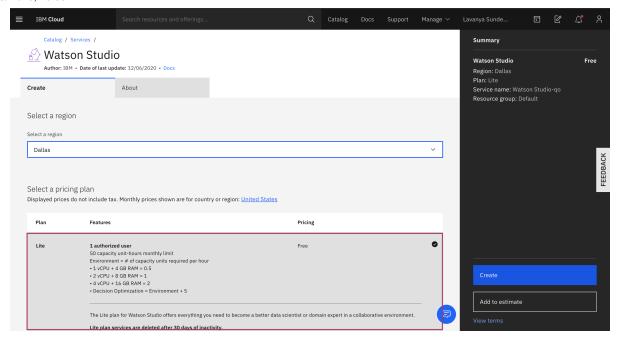
Exercise - Create a project on Watson Studio

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

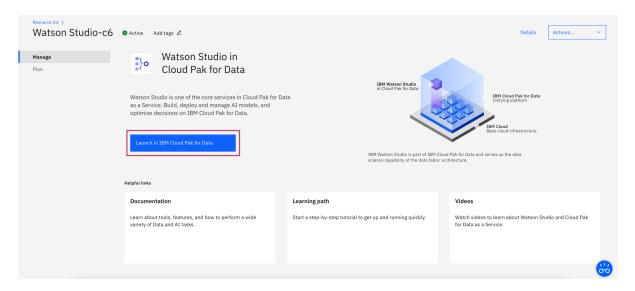
Task 1: For New Users (with no Watson service):

1. <u>Click here</u> 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.

about:blank 1/10



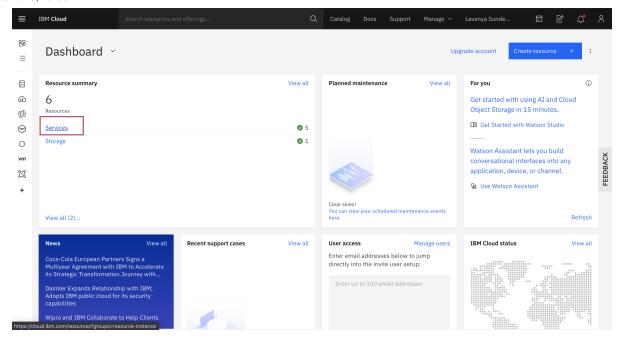
2. On the Watson Studio page, click on Launch in IBM Cloud Pak for Data.



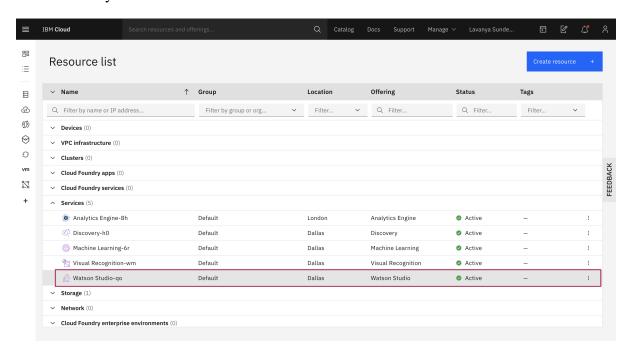
Task 2: For Existing Users (who already have Watson Service):

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

about:blank 2/10

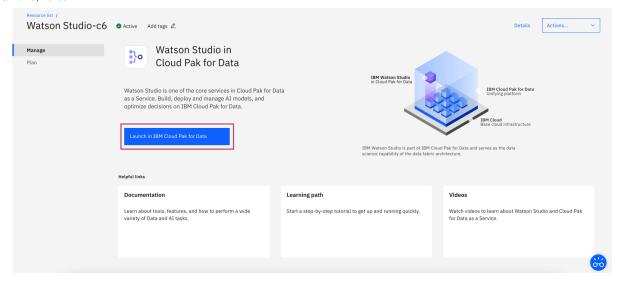


2. When you click on Services, all your existing services will be shown in the list. Click the Watson Studio service you created:



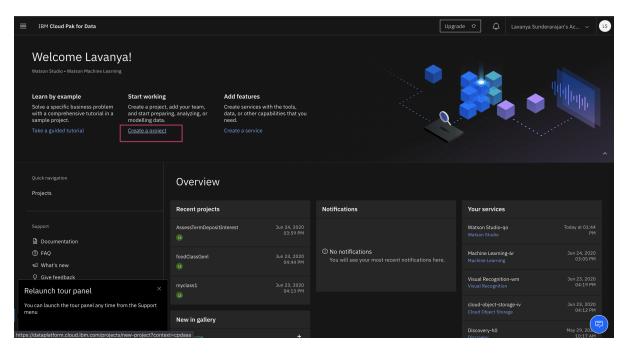
3. On the Watson Studio page, click on Launch in IBM Cloud Pak for Data.

about:blank 3/10



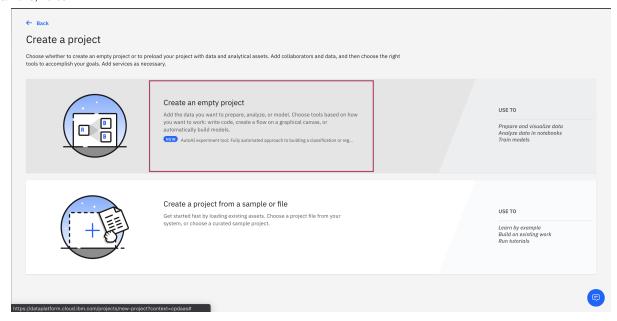
Task 3: Creating a Project

1. Click on Create a project

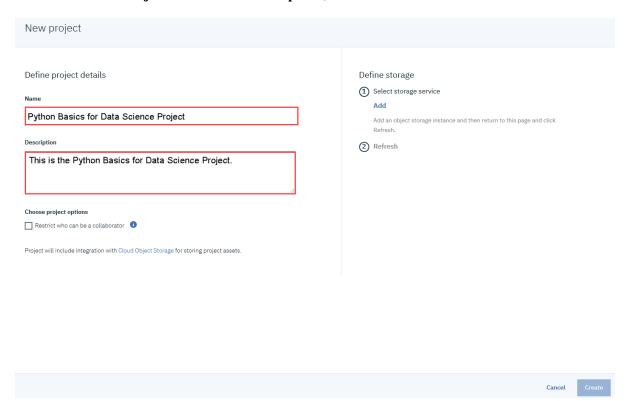


2. On the Create a project page, click Create an empty project

about:blank 4/10

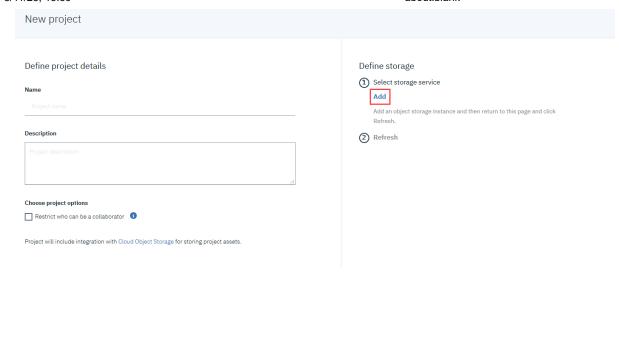


3. Provide a **Project Name** and **Description**, as shown below:

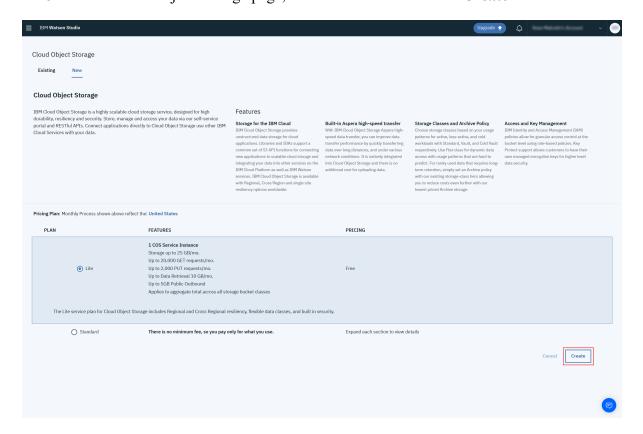


4. You must also create storage for the project. Click Add

about:blank 5/10

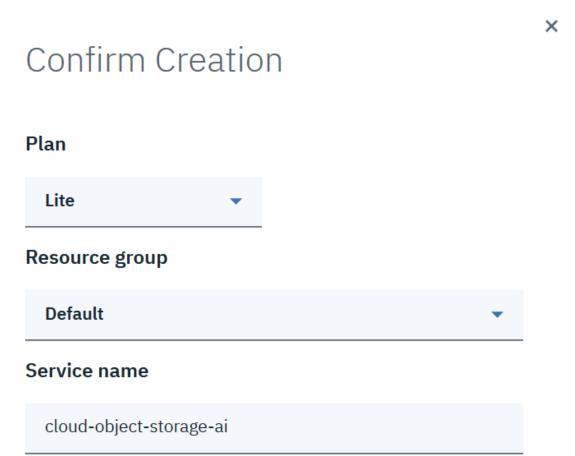


5. On the Cloud Object Storage page, scroll down and then click Create.



6. In the Confirm Creation box, click Confirm.

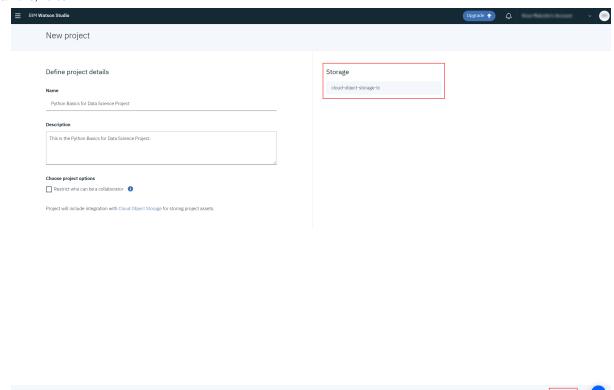
about:blank 6/10





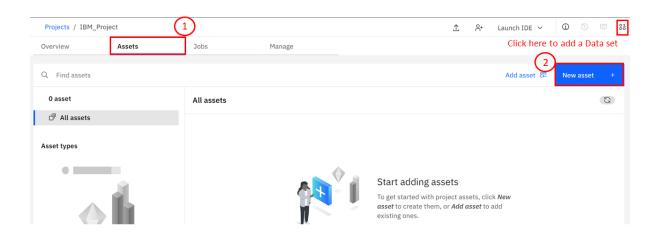
7. On the New project page, note that the storage has been added, and then click Create.

about:blank 7/10



Task4: Adding a Notebook to the Project:

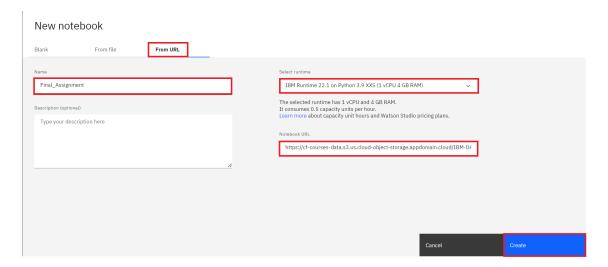
1. You need to add a Notebook to your project. Click on **Assets > New asset**.



2. Scroll down and select Jupyter Notebook Editor:

Add to project Select the tool to create an operational or configuration asset. Tool type Alt types Alt types Code editors Other Code editors Jupyter notebook editor Jupyter notebook editor Create a notebook in which you run Pyton, R, or Scala code to prepare, visualize, and analyze data, or build a model. Other Connected data Data in an external data source that is accessed through a connection. Supply the information necessary to connect to a data source. Add an existing PRMI, (predictive model markup language) file (xmit) from your local system as a model.

- 3. On the New Notebook page, enter a name for the notebook, and then click **From URL**. Copy this <u>link</u>.
- 4. Paste it into the Notebook URL box, and then click Create Notebook.



You will see this Notebook:

Show descriptions ①

about:blank 9/10



Introduction to Pandas in Python

Estaimted time needed: 15 minutes

Objectives

After complting this lab you will be able to:

· Use Pandas to access and view data

Table of Contents

- About the Dataset
- Introduction of Pandas
- <u>Viewing Data and Accessing Data</u>
- Quiz on DataFrame

Estimated time needed: 15 min

Author(s)

Joseph Santarcangelo

Other Contributor(s)

Lavanya

Changelog

Date	Version	n Changed by	Change Description
2023-05- 10	2.4	Eric Hao & Vladislav Boyko	Updated Page Frames
2022-04- 04	2.3	Malika	Updated screenshot
2022-02- 22	2.2	Hema	Updated screenshots
2020-11- 18	2.1	Malika Singla	Updated the screenshot
2020-08- 25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab

IBM Corporation 2023. All rights reserved.

about:blank