

# (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**

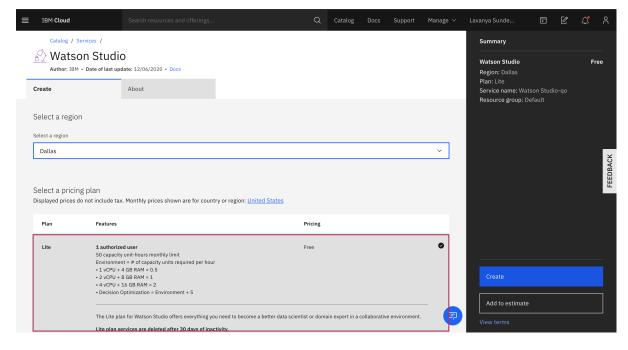
You need an IBM Cloud account to create a project in Watson Studio. If you don't have an account created already, click and open this <u>link</u> and follow the instructions, to create an IBM Cloud account.

# **Exercise - Create a project on Watson Studio**

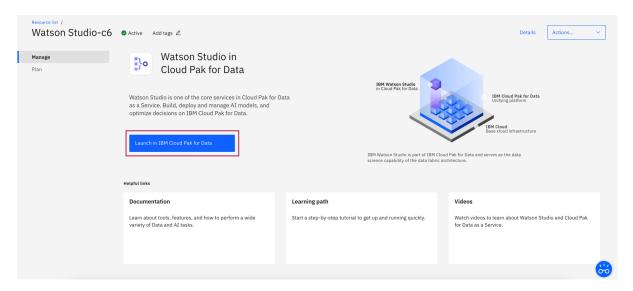
If you have not created a Watson service before proceed with Task 1, otherwise go to Task 2

#### 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.

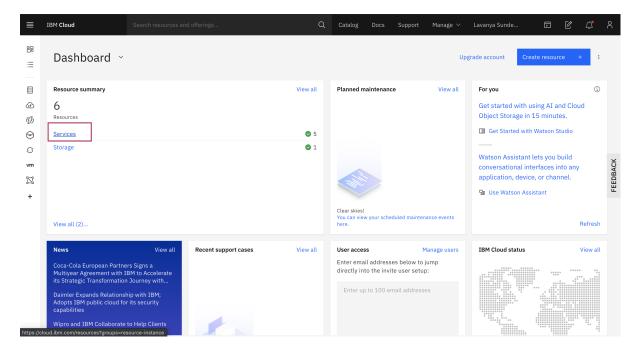


2. On the Watson Studio page, click on Launch in IBM Cloud Pak for Data.

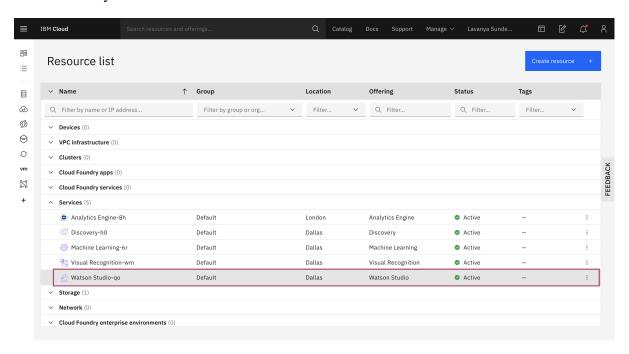


Task 2: For Existing Users (who already have Watson Service):

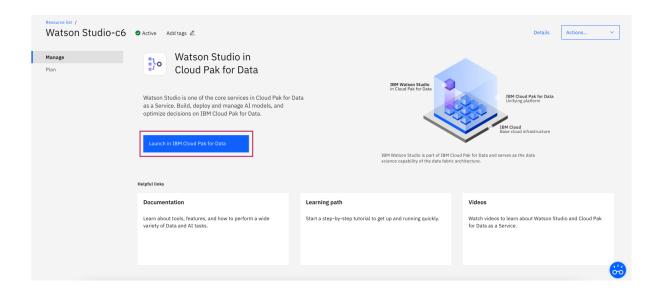
1. Go to the IBM Cloud Dashboard and click Services.



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

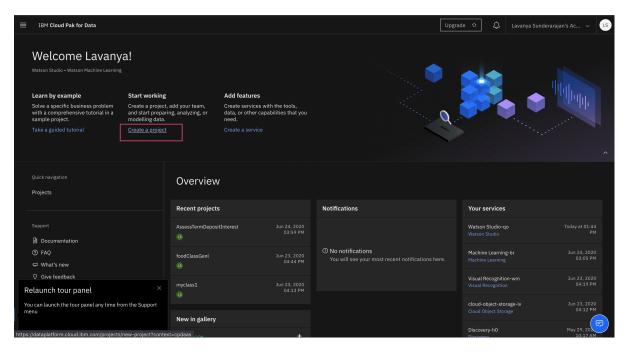


3. On the Watson Studio page, click on Launch in IBM Cloud Pak for Data.

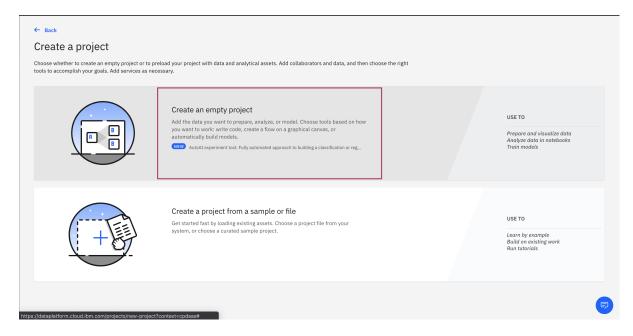


**Task 3: Creating a Project** 

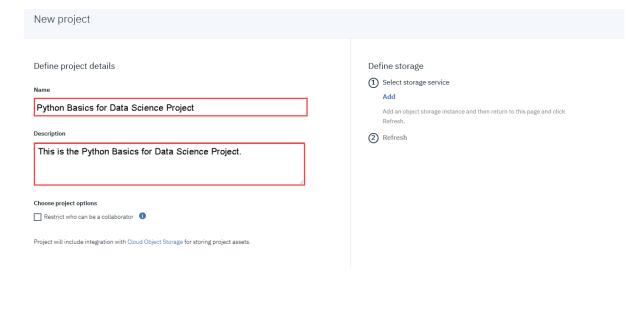
1. Click on Create a project



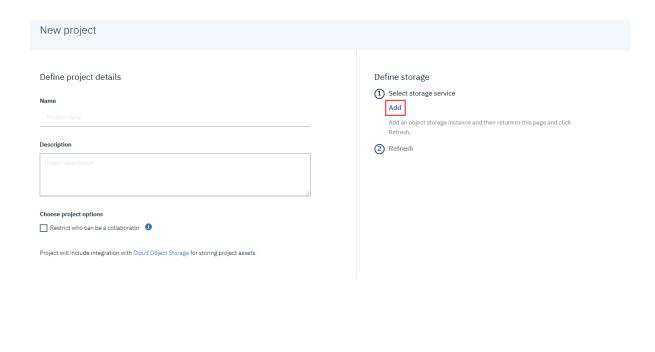
2. On the Create a project page, click Create an empty project



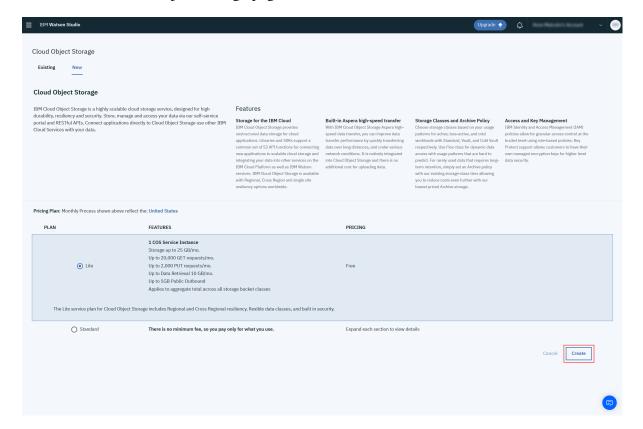
3. Provide a **Project Name** and **Description**, as shown below:



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



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

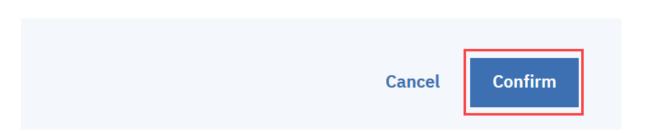


6. In the Confirm Creation box, click Confirm.

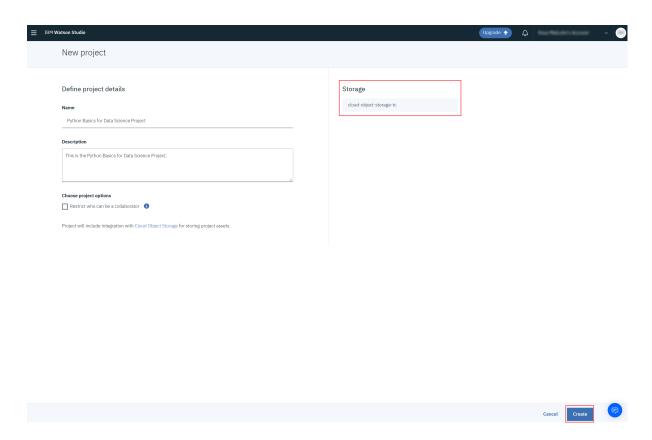


# **Confirm Creation**

# Plan Lite Resource group Default Service name cloud-object-storage-ai

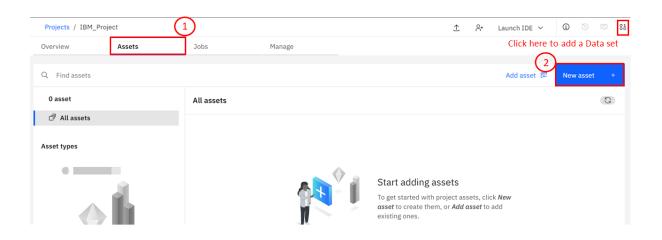


7. On the New project page, note that the storage has been added, and then click Create.



## Task4: Adding a Notebook to the Project:

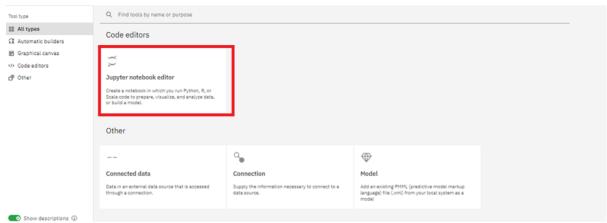
1. You need to add a Notebook to your project. Click on **Assets > New asset**.



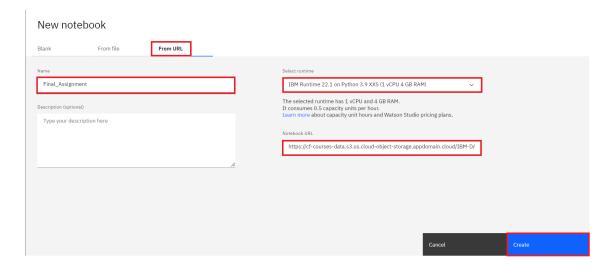
2. Scroll down and select Jupyter Notebook Editor:

#### Add to project

Select the tool to create an operational or configuration asset.



- 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:



#### **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
- Viewing Data and Accessing Data
- Quiz on DataFrame

Estimated time needed: 15 min

### Author(s)

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# **Other Contributor(s)**

Lavanya

# Changelog

Date	Version	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

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