



## (Optional) Hands-on Lab: Create IBM Cloud account and watsonx.ai instance

Estimated time: 40 minutes

### Objective(s):

After completing this lab, you will be able to:

- Use watsonx.ai service
- Create project in watsonx.ai
- Add an interactive python notebook to a project in watsonx.ai

### Pre-requisite(s):

You need an IBM Cloud account to create a project in watsonx.ai. 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 watsonx.ai

*If you have not created a watsonx.ai service before proceed with Task 1, otherwise go to Task 2*

#### Task 1: For New Users (with no watsonx.ai service):

1. [Click here](#) to go to the IBM Cloud watsonx.ai page. To create a watsonx.ai service, choose a region that offers Lite plan, then choose the Lite plan from the list and click **Create**. In the image below, the **Lite** plan is chosen for **Dallas** region.

IBM Cloud | Search resources and products... | Catalog | Manage | IBMSkills Network's Acc...

### watsonx.ai Studio

(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and industry-standard APIs and SDKs.

**Create** | About

Type: Service

Provider: IBM

Last updated: 02/06/2025

Category: AI / Machine Learning

Compliance: HIPAA Enabled, IAM-enabled

Location: Sydney (au-syd), Frankfurt (eu-de), London (eu-gb), Tokyo (jp-tok), Dallas (us-south)

Select a location: **Dallas (us-south)**

Select a pricing plan: Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features and capabilities	Pricing
<b>Lite</b>	1 authorized user 10 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 + Watson NLP + Environment = 5 • Synthetic Data Generator: 2 vCPU + 8 GB RAM = 2 (requires)	Free

**Summary**

**watsonx.ai Studio** | Free

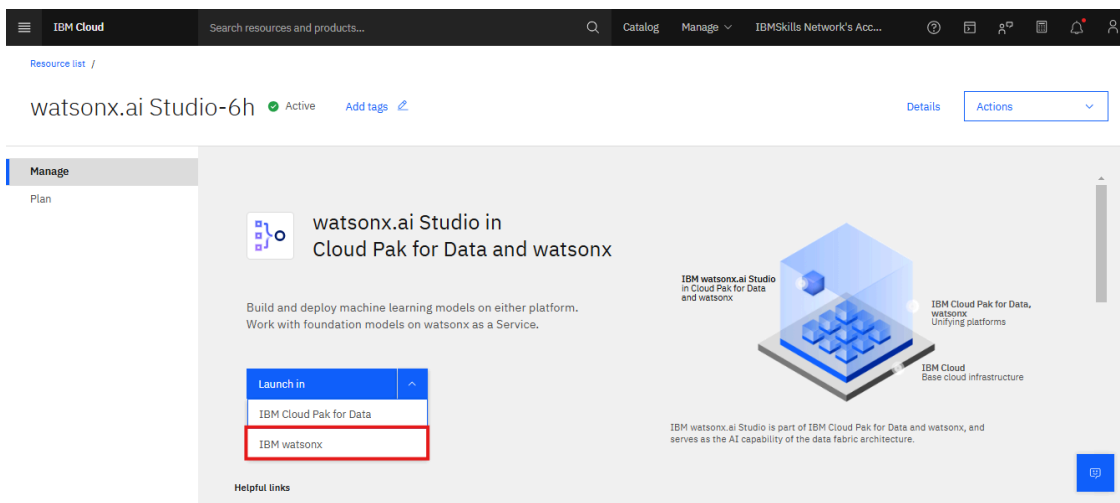
Location: Dallas (us-south)  
Plan: Lite  
Service name: watsonx.ai Studio-6h  
Resource group: Default

☒ I have read and agree to the following license agreements: [Terms](#)

**Create**

[Add to estimate](#)

2. On the watsonx.ai page, click on **Launch in IBM watsonx**.

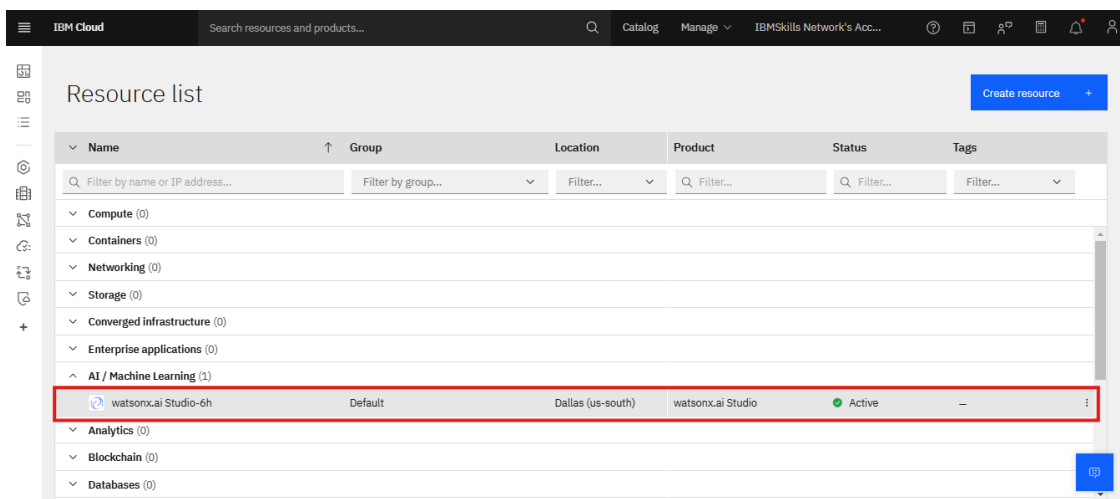


## Task 2: For Existing Users (who already have watsonx.ai Service):

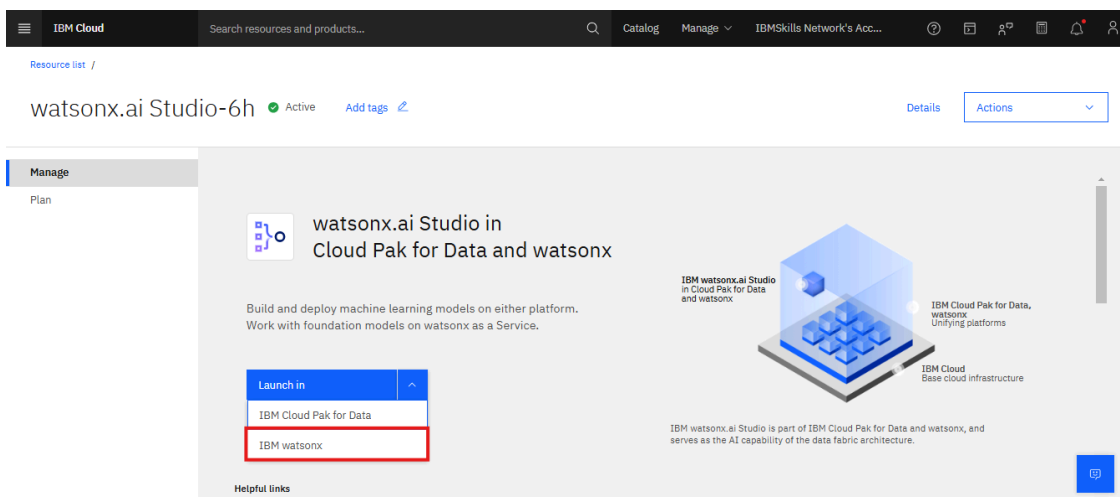
1. Go to the IBM Resources List

### [Resources List](#)

2. When you click on AI / Machine Learning, all your existing services will be shown under the list. Click the **watsonx.ai Studio** service you created:

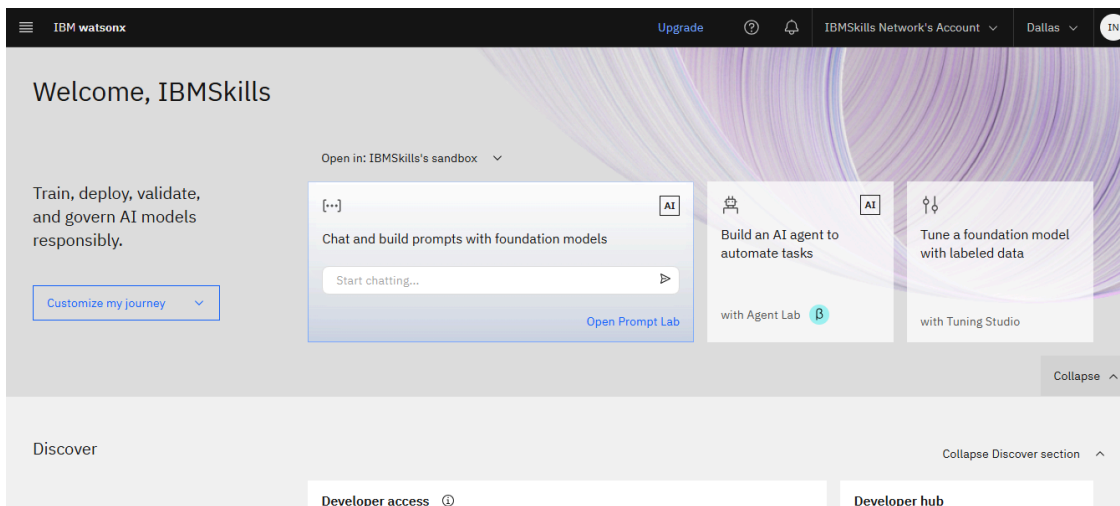


3. On the watsonx.ai page, click on **Launch in IBM watsonx**.

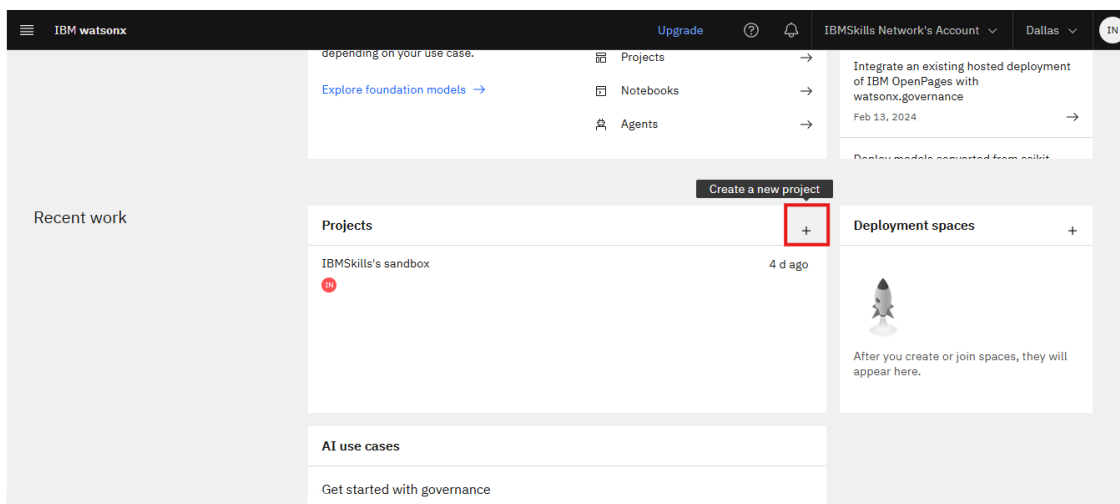


## Task 3: Creating a Project

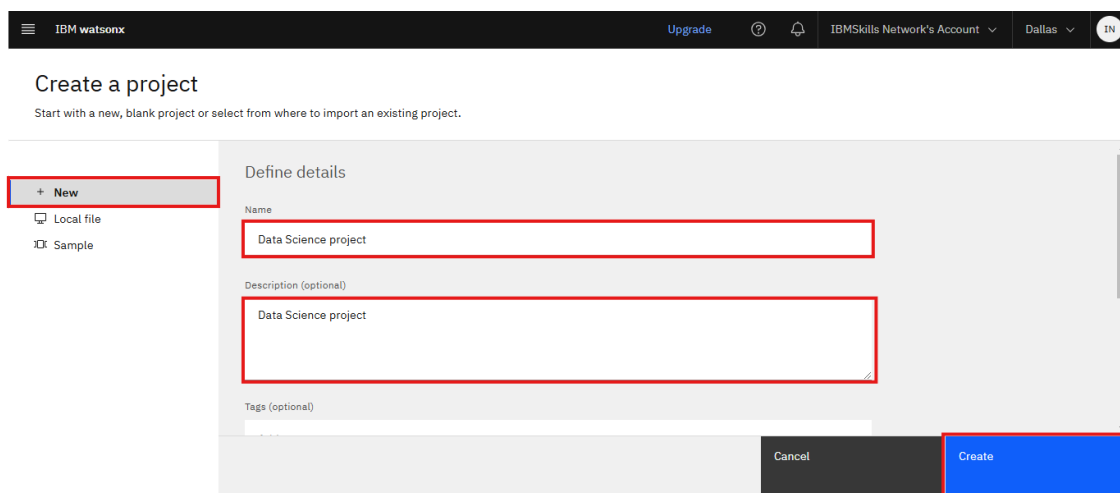
1. IBM watsonx.ai homepage appears as follows.



2. Scroll down and click on the plus sign to create a new project.



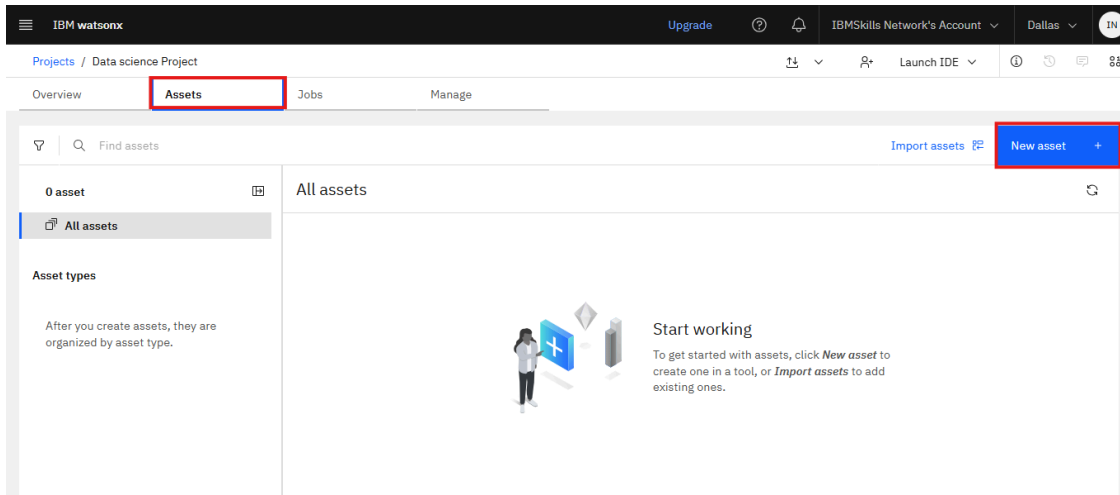
3. On the Create project page, enter **Project Name** and **Description**.



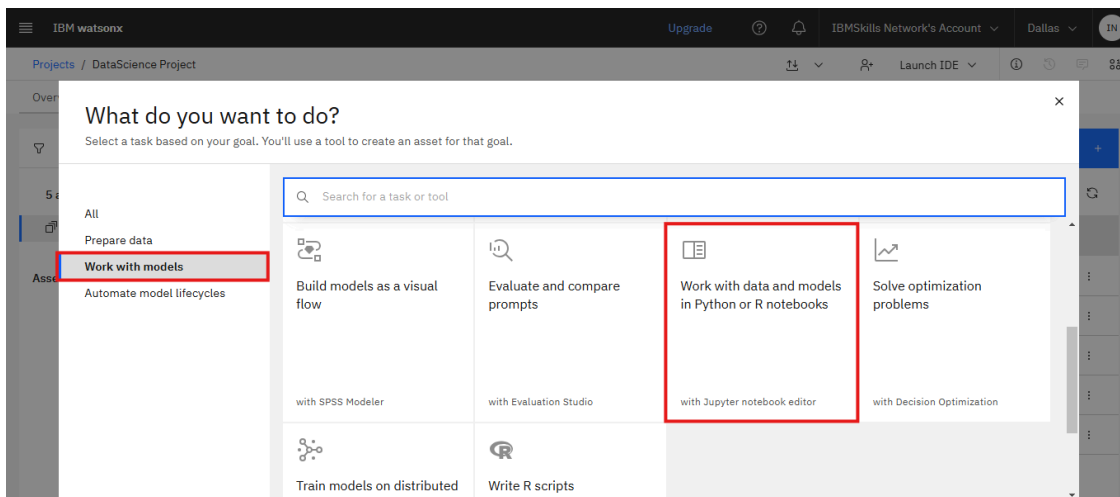
4. After creating the project you can start with either a new blank project or select a file from an existing project to import.

## Task4: Adding a Notebook to the Project:

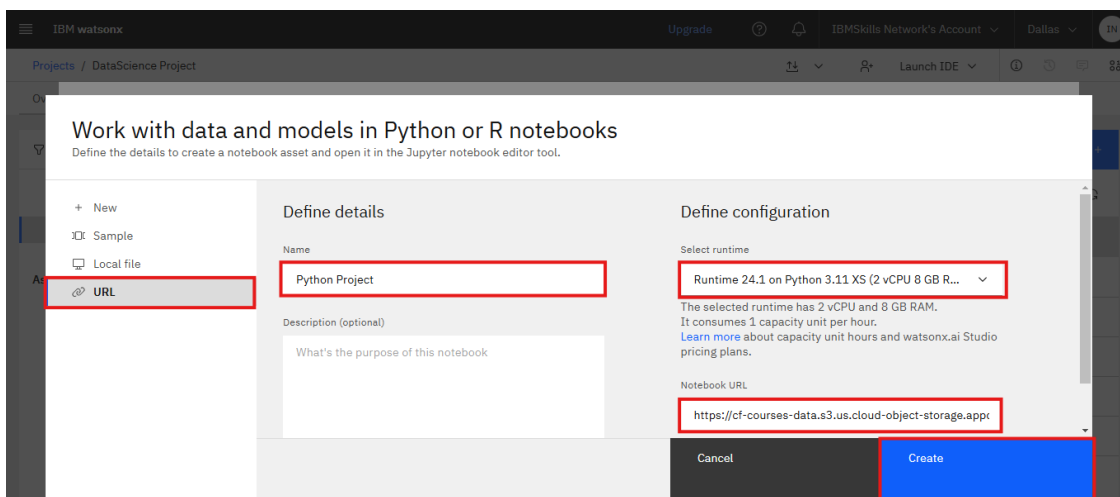
1. You need to add a Notebook to your project. Click on **Assets > New asset**.



2. Choose **Work with models** and select **Work with data and models in Python or R Notebooks**.



3. On the New Notebook page, enter a name for the notebook, and then click **From URL**. Copy this [link](#).
4. Paste it into the **Notebook URL** box, and then click **Create Notebook**.



You will see the Notebook:

## Introduction to Pandas in Python

Estimated time needed: 15 minutes

### Objectives

After completing 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

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