

Lab-0 - Prerequisites

Introduction

This lab will set up the Watson Studio environment for subsequent labs. Watson Studio is an integrated platform of tools, services, data, and meta-data to help companies and agencies accelerate their shift to be data driven organizations. The platform enables data professionals such as data scientists, data engineers, business analysts, and application developers collaboratively work with data to build, train, deploy machine learning and deep learning models at scale to infuse AI into business to drive innovation. Watson Studio is designed to support the development and deployment of data and analytics assets for the enterprise.

Watson Studio together with Watson Knowledge Catalog and Watson Machine Learning services work seamlessly to comprise the IBM Cloud Pak for Data starter edition. The user interface is branded IBM Cloud Pak for Data irrespective of which service is being used.

Objectives

The goal of this lab is to create a Watson Studio project. Projects are a core component of Watson Studio. Projects enable you to organize your analytic and data assets in one place. Projects are also the home base for collaboration. Colleagues can be added as collaborators on a project with administrator, editor, or viewer access.

After completing this lab, you will be familiar with these features of Watson Studio.

1. Create a project
2. Create an object storage instance and associate it with the project
3. Create a deployment space.

Create a Project

1. If you are not logged into Watson Studio, log into your Watson Studio account by typing in the url **dataplatfom.cloud.ibm.com** in your Firefox or Chrome browser. Otherwise, skip to step 5.
2. Select the **region**, enter the **Username** and the **Password** and click **Log-In**.

IBM Cloud Pak for Data

Log in to IBM Cloud Pak for Data

Starter edition

Need an account? [Sign up and try for free](#)

You will log into Dallas ▾

Username [Forgot ID?](#)

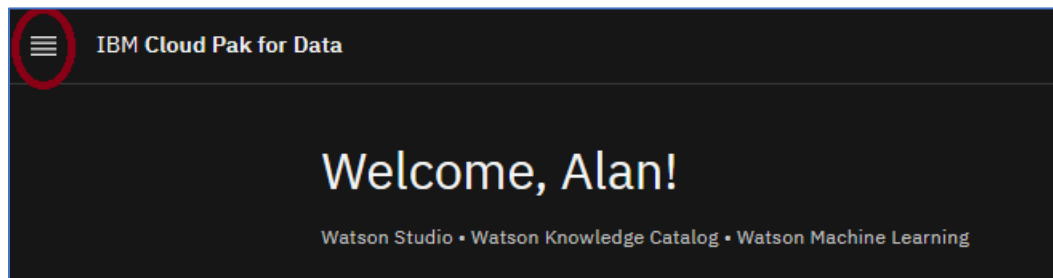
wsuser54000@gmail.com

Password [Forgot password?](#)

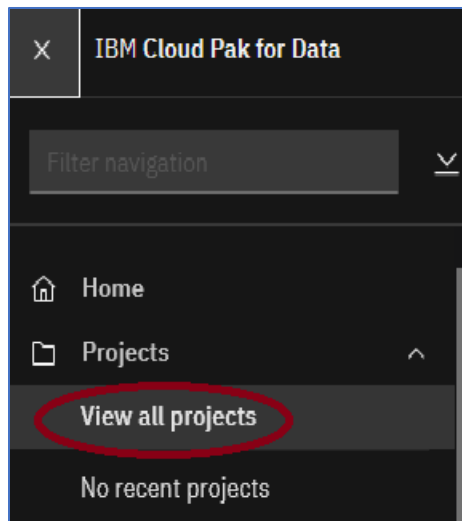
••••••••

Log in →

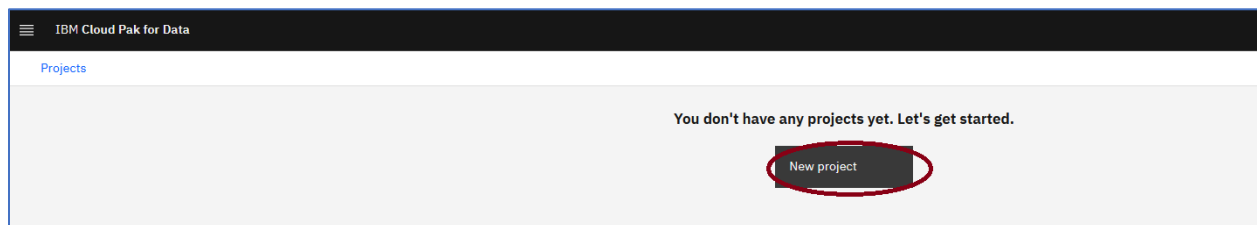
3. Click on the hamburger icon ☰.



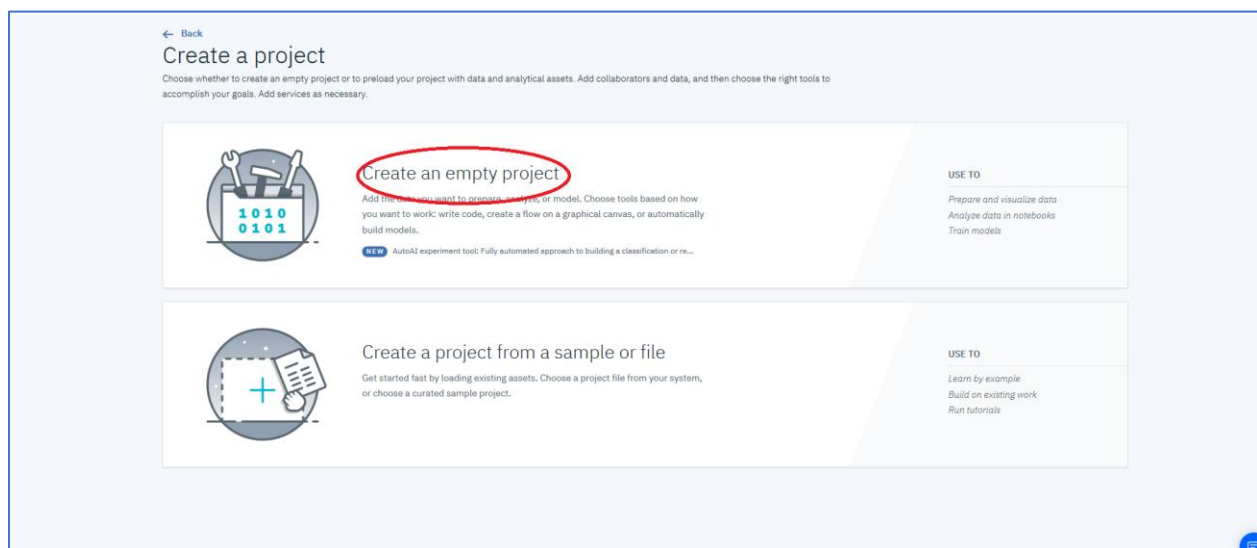
4. Click on **Projects**, and then click on **View All Projects**



5. Click on **New Project**.



6. Click on **Create an empty project**.



7. Enter “Watson Studio Labs” for the **Name**, optionally enter a **Description**, make sure to uncheck **Restrict who can be a collaborator** (if it’s checked), and in **Define Storage** click on **Add** to add an object storage instance. Note if you already have object storage defined (previously used Watson Studio), then skip to step 10.

New project

Define project details

Name

Watson Studio Labs

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

Choose project options

☐ Restrict who can be a collaborator ⓘ

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

8. Make sure the **Lite** plan is selected, and then click on **Create**

Cloud Object Storage

Author: IBM • Date of last update: Sep 23, 2020 • [Docs](#) • [API Docs](#)

Create About

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	

Cloud Object Storage

Region: Global
Plan: Lite
Service name: Cloud Object Storage-yp
Resource group: Default

Create

9. Note that it may take a minute for your storage service to show up. Click **Refresh**.

New project

Define project details

Name

Watson Studio Labs

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

Choose project options

☐ Restrict who can be a collaborator ⓘ

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

10. Click Create.

New project

Define project details

Name
Watson Studio Labs

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-go

Cancel Create

11. The Project **Overview** page is shown. This page provides summarized information about the project. In addition to the Overview page, are five other pages described below.

- Assets Page** – Analytics and Data assets can be added to the project from this page.
- Environments Page** - Provides information on the current notebook environments that are defined, lists the active notebook environments currently running, and enables users to create custom notebook environments.
- Jobs Page** – Provides the interface to the job subsystem. This replaces the separate UIs to set up and run jobs for Notebooks and the Data Refinery. This is a new feature in Watson Studio Cloud version.
- Access Control** – Lists the project collaborators and enables users to add/remove collaborators.
- Settings** – Enables users to view and set project attributes.

Projects / Watson Studio Labs

Overview Assets Environments Jobs Access Control Settings

Watson Studio Labs
Last Updated: Oct 12, 2020

Readme

Overview

Date created
Oct 12, 2020

Description
No description available

Storage
0 Byte used
Cloud Object Storage


Collaborators
Alan Doe
Admin

Recent activity

Alerts related to this project appear here when the project is active.

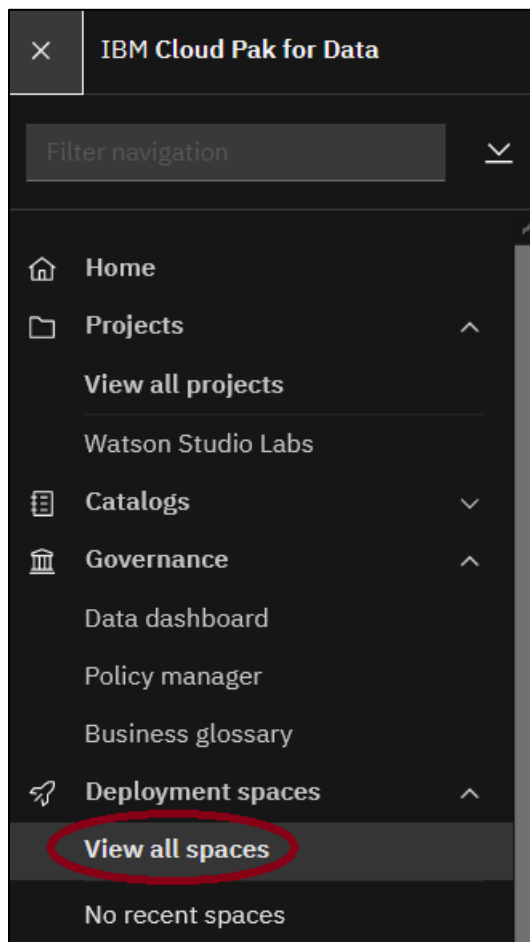
Create a Deployment Space

You use deployment spaces to deploy models and manage your deployments. A project can be associated with one deployment space. We will now create a deployment space.

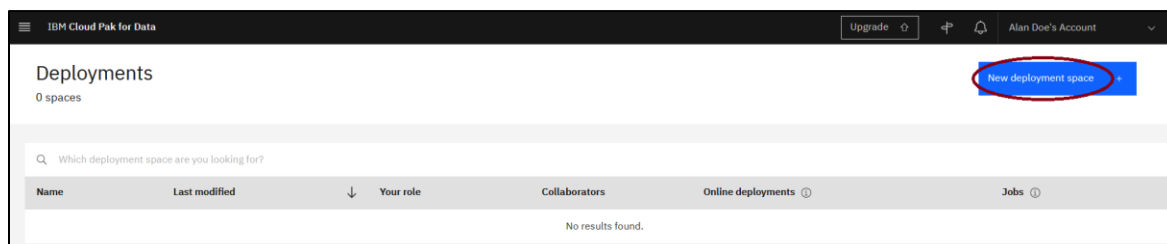
1. Click on the hamburger icon .



2. Click on **View all spaces** under **Deployment spaces**



3. Click on New deployment space.



4. Enter **WatsonStudioLabs** for the **Name** and click **Create**.

Define space details

Name
Watson Studio Labs

Description (Optional)
Deployment space description

Deployment space tags (optional) ⓘ
Add a tag

Select storage service ⓘ

Upload space assets (optional)
Populate your space with assets exported from a space to a .zip file. You can add more assets after the space is created.

Drop .zip file here or browse your files to upload

Cancel Create

5. Click **Close**.

The space is ready

Import is complete! Click **View new space** to view the space and associated assets.

✓ Step 1 of 1. Creating deployment space.

Close View new space

You have completed Lab-0 Prerequisites!

- ✓ Created a project
- ✓ Created an object storage instance and associated it with the project
- ✓ Created a deployment space

