

Lab-0: Setup Environment

Introduction

This lab will set up the Cloud Pak for Data environment for subsequent labs and introduce you to the Project features of Cloud Pak for Data. Cloud Pak for Data 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. Cloud Pak for Data is designed to support the development and deployment of data and analytics assets for the enterprise.

Objectives

The goals of this lab are to familiarize the user with the Project features of Cloud Pak for Data, and to set up the environment for subsequent labs. Projects are a core component of Cloud Pak for Data. 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 Cloud Pak for Data.

1. Create a project

Create a Project

1. If you are not logged into Cloud Pak for Data, log into your Cloud Pak for Data account by typing in the url **datapatform.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**.

Log in to IBM Cloud Pak for Data


Log in to explore IBM Cloud Pak for Data services on one platform, fully managed on the IBM Cloud, and see how you can accelerate your journey to AI today.

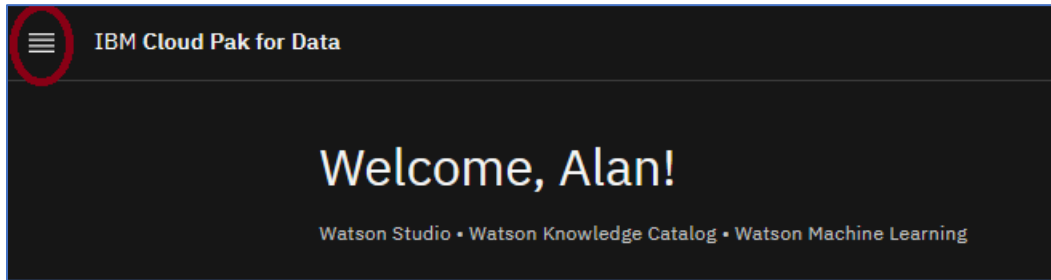
Need an account? [Sign up and try for free](#)

You will log into Dallas ▾

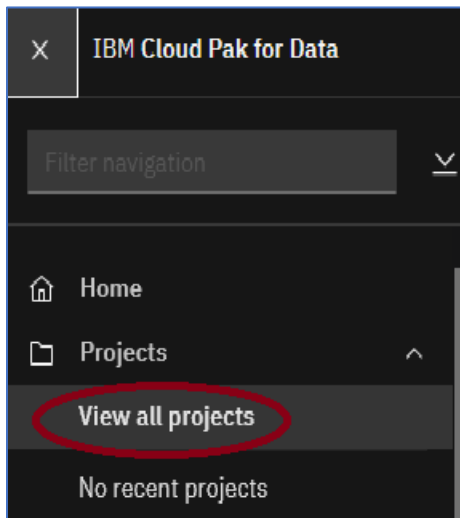
Username [Forgot ID?](#)

Password [Forgot password?](#)

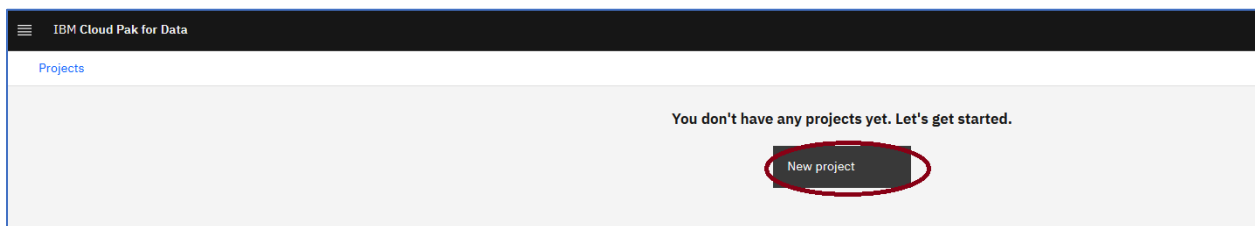
3. Click on the hamburger icon .



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



5. Click on **New Project**.



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

← Back

Create a project

Choose whether to create an empty project or to preload your project with data and analytical assets. Add collaborators and data, and then choose the right tools to accomplish your goals. Add services as necessary.

Create an empty project

Add the assets you want to prepare, train, or model. Choose tools based on how you want to work: write code, create a flow on a graphical canvas, or automatically build models.

NEW AutoAI experiment tool: Fully automated approach to building a classification or re...

USE TO

- Prepare and visualize data
- Analyze data in notebooks
- Train models

Create a project from a sample or file

Get started fast by loading existing assets. Choose a project file from your system, or choose a curated sample project.

USE TO

- Learn by example
- Build on existing work
- Run tutorials

- 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 click **Create**. Note, if you do not have object storage already provisioned, you will see an area marked **Define Storage** and this must be completed before you can click Create. If you need to define object storage, please continue, otherwise go to step 12.

Define details

Name

Watson Studio Labs

Description

Project description

Storage

CloudObjectStorage

Choose project options

☐ Restrict who can be a collaborator ⓘ

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

Cancel

Create

- In the **Define Storage** area click on **Add** to add an object storage instance.

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.

9. 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

10. 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.

11. 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

12. 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.
- 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.

You have completed Lab-0!

- ✓ Created a project