



Effort: 20 mins

Objective

In this lab, you will learn:

- 0. Import the notebook in Watson Studio

IBM Project Creation in Watson

Note: If you have not created watson service , please follow the steps mentioned [here](#).

Step 1: For Existing Users (who already have Watson Service):

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

A screenshot of the IBM Cloud Dashboard. The top navigation bar is dark blue with the IBM Cloud logo, a search bar, and links for Catalog, Docs, Support, and Manage. Below the navigation bar, the 'Dashboard' tab is selected, and a 'Customize' link is visible. On the right side of the dashboard, there are buttons for 'Upgrade account' and 'Create resource'. The main content area is divided into several sections. The 'Resource summary' section on the left has a red box around the 'Services' link, which shows a count of 1. Below this, there are sections for 'Planned maintenance', 'Location status' (listing Asia Pacific, Europe, North America, and South America with green checkmarks), 'Usage', 'Apps', 'Support cases', 'User access', and 'Learn'. The 'Services' section is the focus of the lab.

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

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Manage

▼

IBM Cloud Account

✎

👤

Resource list

Create resource

Collapse all | Expand all

Name ▲	Group	Location	Offering	Status	Tags
🔍 Filter by name or IP address...	Filter by group or org... ▼	Filter... ▼	🔍 Filter...	🔍 Filter...	Filter... ▼
> Devices (0)					
> VPC Infrastructure (0)					
> Clusters (0)					
> Cloud Foundry Apps (0)					
> Cloud Foundry Services (0)					
▼ Services (1)					
🔗 Watson Studio-0o	Default	Dallas	Watson Studio	Provisioned	— ...
> Storage (1)					
> Network (0)					
> Cloud Foundry Enterprise Environments (0)					
> Functions Namespaces (0)					
> Apps (0)					
> Developer Tools (0)					

FEEDBACK

Then click **Get Started**.

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Manage

▼

Account

✎

👤

Manage

Plan

Resource list /

🔗 Watson Studio-0o

Resource group: Default Location: Dallas [Add Tags](#)

🔗

Watson Studio

Welcome to Watson Studio. Let's get started!

Get Started

Documentation

From getting started to how to's — see what's available.


Community

Check out our tutorials, articles, along with sample notebooks and data sets you can use to get going.

Step 3: Creating a Project

Now you have to Create a project.

Click on **Create a project**:

 IBM Cloud Pak for Data

Welcome Malika!

Watson Studio • Watson Machine Learning

Learn by example

Solve a specific business problem with a comprehensive tutorial in a sample project.

[Take a guided tutorial](#)

Start working

Create a project, add your team, and start preparing, analyzing, or modelling data.

[Create a project](#)

Add features

Create services with the tools, data, or other capabilities that you need.


[Create a service](#)

On the Create a project page, click **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 data you want to prepare, analyze, 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

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

New project

Define project details

Name

Python Basics for Data Science Project

Description

This is the Python Basics for Data Science Project.

Choose project options

☐ Restrict who can be a collaborator

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

Define storage

1 Select storage service

Add

Add an object storage instance and then return to this page and click Refresh.

2 Refresh

Cancel

Create

You must also create storage for the project.

Click **Add**

New project

Define project details

Name

Project name

Description

Project description

Choose project options

☐ Restrict who can be a collaborator

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

Define storage

1 Select storage service

Add

Add an object storage instance and then return to this page and click Refresh.

2 Refresh

Cancel

Create

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

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-DS0321EN-SkillsNetwork/labs/IBM_Cloud_and_Watson_Setup.md.html?origin=www.coursera.org

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IBM Watson Studio

Upgrade

Cloud Object Storage

ExistingNew

Cloud Object Storage

IBM Cloud Object Storage is a highly scalable cloud storage service, designed for high durability, resiliency and security. Store, manage and access your data via our self-service portal and RESTful APIs. Connect applications directly to Cloud Object Storage use other IBM Cloud Services with your data.

Features

Storage for the IBM Cloud

IBM Cloud Object Storage provides unstructured data storage for cloud applications. Libraries and SDKs support a common set of S3 API functions for connecting new applications to scalable cloud storage and integrating your data into other services on the IBM Cloud Platform as well as IBM Watson services. IBM Cloud Object Storage is available with Regional, Cross Region and single site resiliency options worldwide.

Built-in Aspera high-speed transfer

With IBM Cloud Object Storage Aspera high-speed data transfer, you can improve data transfer performance by quickly transferring data over long distances, and under various network conditions. It is natively integrated into Cloud Object Storage and there is no additional cost for uploading data.

Storage Classes and Archive Policy

Choose storage classes based on your usage patterns for active, less-active, and cold workloads with Standard, Vault, and Cold Vault respectively. Use Flex class for dynamic data access with usage patterns that are hard to predict. For rarely used data that requires long-term retention, simply set an Archive policy with our existing storage-class tiers allowing you to reduce costs even further with our lowest priced Archive storage.

Access and Key Management

IBM Identity and Access Management (IAM) policies allow for granular access control at the bucket level using role-based policies. Key Protect support allows customers to have their own managed encryption keys for higher level data security.

Pricing Plan: Monthly Process shown above reflect the: United States

PLAN	FEATURES	PRICING
<div><div><div>Lite</div></div></div>	<div><div>1 COS Service Instance</div><div>Storage up to 25 GB/mo.</div><div>Up to 20,000 GET requests/mo.</div><div>Up to 2,000 PUT requests/mo.</div><div>Up to Data Retrieval 10 GB/mo.</div><div>Up to 5GB Public Outbound</div><div>Applies to aggregate total across all storage bucket classes</div></div>	<div>Free</div>
<div>The Lite service plan for Cloud Object Storage includes Regional and Cross Regional resiliency, flexible data classes, and built in security.</div>		
<div><div>Standard</div></div>	<div>There is no minimum fee, so you pay only for what you use.</div>	<div>Expand each section to view details</div>

Cancel

Create

In the Confirm Creation box, click **Confirm**.

https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-DS0321EN-SkillsNetwork/labs/IBM_Cloud_and_Watson_Setup.md.html?origin=www.coursera.org5/7

✕

Confirm Creation

Plan

Lite ▾

Resource group

Default ▾

Service name

cloud-object-storage-ai

Cancel

Confirm

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

IBM Watson Studio

Upgrade

IBM Watson Studio

New project

Define project details

Name

Python Basics for Data Science Project

Description

This is the Python Basics for Data Science Project.

Choose project options

☐ Restrict who can be a collaborator

Project will include integration with Cloud Object Storage for storing project assets.

Storage

cloud-object-storage-1c

Cancel

Create

After creating the project you will need to add a Jupyter notebook to your project. Instructions for this are provided in a subsequent lab.

Author(s)

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Change log

Date	Version	Changed by	Change Description
2021-08-18	2.5	Lakshmi Holla	Removed the step 1
2021-06-03	2.4	Lakshmi Holla	Forked from original
2021-01-25	2.3	Rav Ahuja	Forked from original and split Jupyter notebook instructions in separate lab
2020-11-18	2.2	Malika Singla	Updated the screenshot
2020-10-05	2.1	Malika Singla	Updated the Effort and Objective
2020-09-05	2.0	Malika Singla	Updated the screenshot

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