



IBM Developer SKILLS NETWORK

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**.

The screenshot displays the IBM Cloud Dashboard interface. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below this, the 'Dashboard' section is visible, with 'Customize' and 'Upgrade account' links. The main content area is divided into several sections:

- Resource summary:** A table with one row labeled 'Services' and a count of '1'. A red box highlights this row. A 'View resources' link is at the top right, and an 'Add more resources' button is at the bottom right.
- For you:** Two cards for getting started with AI and Cloud Object Storage, and two tutorial cards for Watson Studio and analyzing data.
- Planned maintenance:** A section showing the next event on Oct 28, 2019, at 3:00 PM.
- Location status:** A table showing status for Asia Pacific, Europe, North America, and South America, all marked with green checkmarks.
- Usage:** A section with a bar chart icon and a message: 'You can view usage for billable resources here.'
- Apps:** A section with a code icon and a message: 'You can view your apps here after you create them. Learn more about how to get started.' with a 'Create an app' button.
- Support cases:** A section with a support icon and a message: 'You can view a summary of your support cases here after you submit them. Learn more about how to get support.'
- User access:** A section with a user icon and a message: 'Working alone is no fun. With the right permissions, you can see other users when they join this account. Learn more about users and access.' with an 'Invite users' button.
- Learn:** A section with a list of links: 'Extend your resources with tools', 'Manage your account and users', 'Check out our solution tutorials', 'IBM Developer', 'Architecture Center', and 'IBM Skills Gateway'.

A 'FEEDBACK' button is visible on the right side of the dashboard.

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

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)					

Then click **Get Started**.

☰ IBM Cloud

Search resources and offerings...

🔍

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**.

IBM Watson Studio

Upgrade

IBM Watson Studio

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><div></div><div>Lite</div></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><div></div><div>Standard</div></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**.



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

Account/Profile/Settings

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