

# Linking GitHub to Watson Studio

Estimated time needed: 30 minutes

## Pre-requisite :

- IBM Cloud Account
- GitHub Account
- Watson Studio Service & Project creation

NOTE: IF you don't have a IBM Cloud account follow the steps given in [link](#).

To create Watson service, follow the steps given in the [link](#)

To create GitHub Account, follow the steps given in the [link](#).

## Objectives

After completing this lab you will be able to:

- Understand how to connect Watson Studio account with GitHub
- Publish Watson Notebook on GitHub.

## Exercise

In this exercise through different tasks, you will learn how to connect Watson Studio with GitHub and publish the notebook through Watson Studio

### Task A: Integrating Watson Studio with GitHub

1. Login to IBM Cloud account: <https://cloud.ibm.com/login>
2. Open **Resource List** using <https://cloud.ibm.com/resources>
3. Under **AI / Machine Learning**. Click **Watson Studio**.

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Mrutyunjaya Naidu's Ac...

Resource list

Name	Group	Location	Product	Status
Filter by name or IP address...				
Filter by group or org...				
Filter...				
Filter...				
Filter...				
Compute (0)				
Containers (0)				
Networking (0)				
Storage (1+)				
AI / Machine Learning (1)				
Watson Studio-fe	Default	Dallas	Watson Studio	Active
Analytics (0)				
Blockchain (0)				
Databases (1+)				
Developer tools (0)				

3. You will be redirected to Watson studio. Click **Launch in IBM Cloud Pak for Data**.

IBM Cloud

Search resources and offerings...

Q

Catalog

Docs

Support

Resource list /


watson-studio

Active

Add tags

Manage

Plan



Watson Studio in Cloud Pak for Data

Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.

Launch in IBM Cloud Pak for Data

IBM Watson Studio In Cloud Pak for Data

IBM Watson Studio is p science capability of th

4. Click on the project you have created already. *(If you have not created any project, follow the Watson Studio and project creation from pre-requisites.)*
5. Once you open the project, the page looks like as:

IBM Cloud Pak for Data

Q Search in your workspaces

Projects / Github

Overview


Assets

Jobs

Manage

Assets

Assets that you create with tools show here. See data assets on the Assets page.



View all

Resource usage

For this month in this project

0 CUH

Readme

Type project notes, reminders, or instructions

Project history

No notification You will see

6. Click on **Manage** tab. Select **Service &nbsp;  integrations** and click **Third-Party integrations**.

IBM Watson Studio

Search in your workspaces

Projects / new

OverviewAssetsJobsManage1

Project

General

Access control

Environments

Resource usage

Services & integrations2

Services & integrations

IBM services

Third-party integrations (1)3

Add and manage integrations to external systems or services.

Find integrations

☐ Name

☐ GitHub

7. Click on **Connect integration**

IBM Cloud Pak for Data

Search in your workspaces

Projects / Github

OverviewAssetsJobsManage

Project

General

Access control

Environments

Resource usage

Services & integrations

Services & integrations

IBM services

Third-party integrations

Add and manage integrations to external systems or services.

Find integrations

☐ Name

8. Select **GitHub** and click **Next**.



9. Then generate Access Token and add it in **Personal access Token**. Once the Access token is added, enter the repository name where you want to push the notebook. Then click on **connect** button.

▼ Click here for Generating Access token

- Follow the steps for [Generation of Access Token](#)

10. Once the repository is added successfully, you get a successfully connected message as shown in the screenshot below:

IBM Watson Studio

Search in your workspaces

Projects / Github

OverviewAssetsJobsManage

Project

- General
- Access control
- Environments
- Resource usage
- Services & integrations**

Services & integrations

IBM servicesThird-party integrations (1)

Add and manage integrations to external systems or services.

Find integrations

☐ Name

☐ GitHub

Task B: Publish Watson Notebook on GitHub










1. Select the notebook you wish to push on to the GitHub, select the up-arrow and click on **Publish on GitHub**.

IBM Watson Studio

Search in your workspaces

Projects / Github / test

FileEditViewInsertCellKernelHelp




RunFormatCode

Test notebook

In [ ]:

A success message will be popped indicating the name of the repository with the notebook name.ipynb.

Publish on GitHub

 The test.ipynb file was published in the niveditha888/testrepo repository. Click #b44676b to view the commit.

Close

2. You can see the notebook test.ipnb which you have published from Watson Studio.

about:blank

5/6

Pull requests

Issues

Marketplace

Explore

niveditha888 / testrepo

Public

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

master had recent pushes 6 minutes ago

Go to file

master

4 branches

0 tags

This branch is 21 commits ahead of main.

niveditha888

Published from Watson Studio.

b44676b 5 minutes ago

Capstone-assignment	Add files via upload
README.md	Update README.md
Windows 10 Key Info.txt	Add files via upload
firstpython.py	Create firstpython.py
jupyter-labs-spacex-data-collection-...	Published from Watson Studio.
peer1.ipynb	Published from Watson Studio.
test.ipynb	Published from Watson Studio.

README.md

► Important notes

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Change Log

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2022-05-05	0.1	Niveditha	Created Initial Version
2023-02-07	0.2	Anita Verma	Updated instructions & screenshots

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