

# 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:

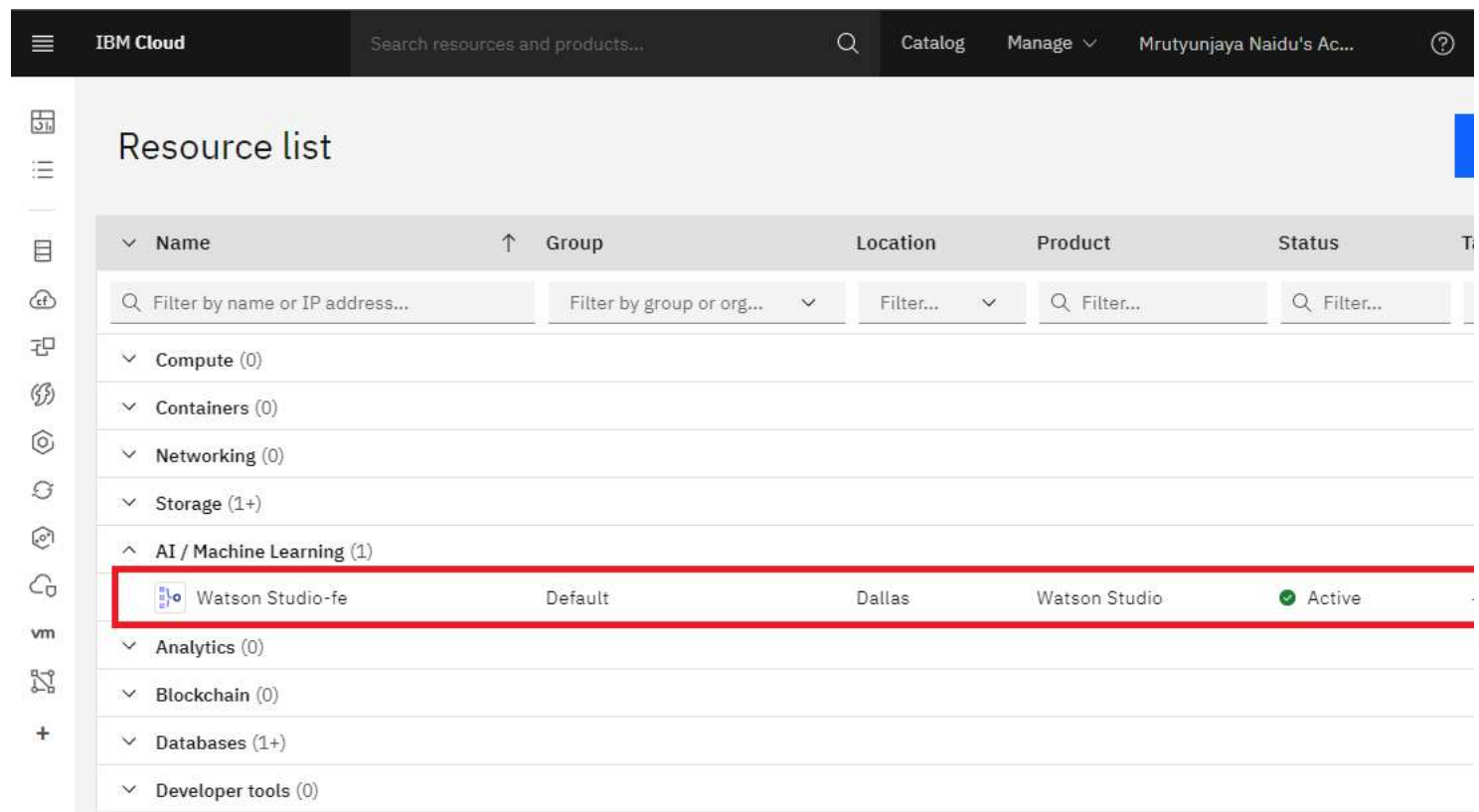
- Understand how to connect Watson Studio account with GitHub
- Publish Watson Notebook on GitHub.

## 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**.



The screenshot shows the IBM Cloud Resource List interface. The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area is titled 'Resource list' and displays a table of resources. The table has columns for Name, Group, Location, Product, and Status. The 'AI / Machine Learning' group is expanded, showing a list of resources. The 'Watson Studio-fe' resource is highlighted with a red box. The resource is located in Dallas and is in an 'Active' state.

Name	Group	Location	Product	Status
Watson Studio-fe	Default	Dallas	Watson Studio	Active

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

IBM Cloud

Search resources and offerings...

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 part of science capability of the data

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

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 you

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

IBM Watson Studio

Search in your workspaces

Projects / new

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	Status
GitHub	Enabl

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 servicesThird-party integrations

Add and manage integrations to external systems or services.

Find integrations

Name	Status
------	--------

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

### Connect Integration ×

Select the third-party integration you want to add to this project.

☐

**Amazon EMR**  
Amazon EMR is a managed cluster compute service that you can associate with a project in Watson Studio and use to run your notebooks.

☒

**GitHub**  
Connect your project to a Github repo and allow version control to backup your work.

Cancel

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](#)

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 services

Third-party integrations (1)

Add and manage integrations to external systems or services.

Find integrations

Name

Status

GitHub

Enabled

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

Run

Format

Code

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

about:blank

5/6

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



Search or jump to...

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

Compare

master

4 branches

0 tags

Go to file

Add file

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

Author

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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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