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:

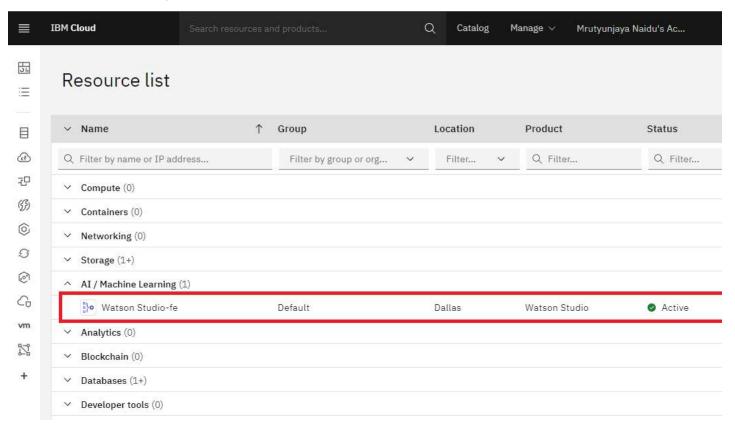
- Understand how to connect Watson Studio account with GitHub
- Publish Watson Notebook on GitHub.

Exercise

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

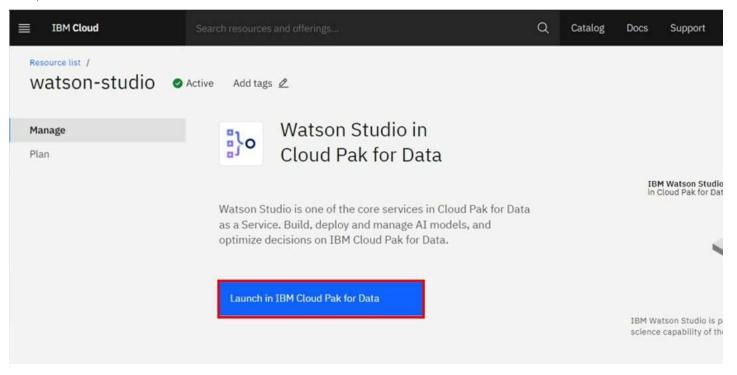
Task A: Integrating Watson Studio with GitHub

- 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.

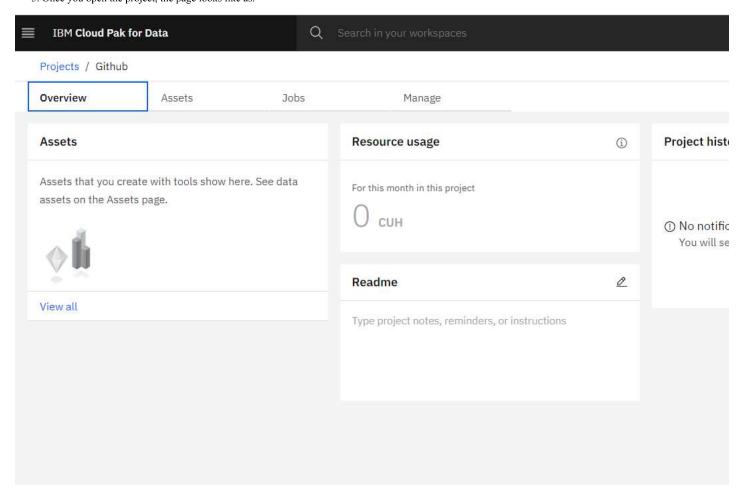


3. You will be redirected to Watson studio. Click Launch in IBM Cloud Pak for Data.

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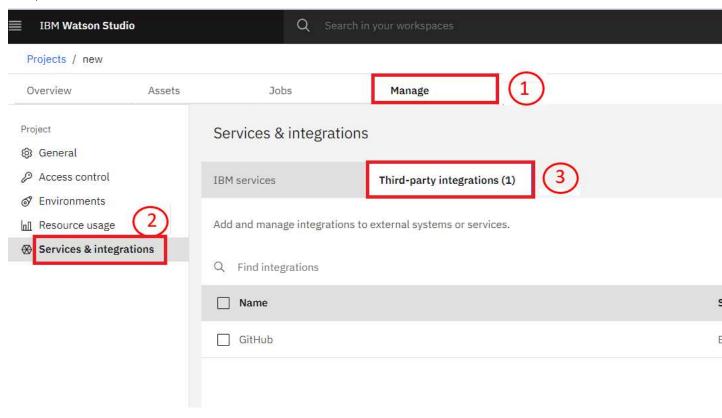


- 4. Click on the project you have created already. (If you have not created any project, follow the Watson Studio and project creation from pre-requisites.)
- 5. Once you open the project, the page looks like as:

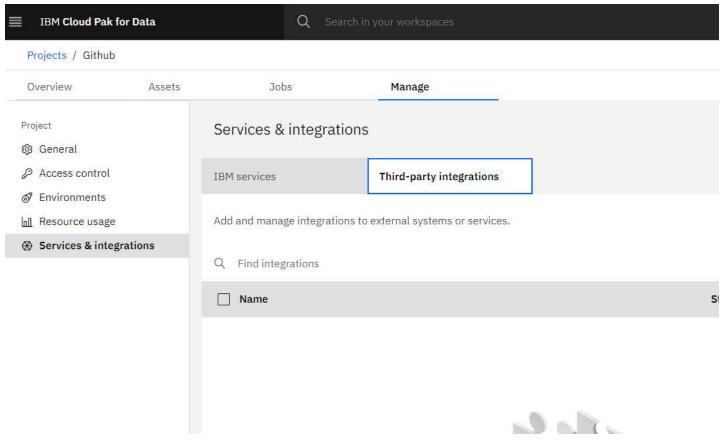


6. Click on Manage tab. Select Service &nbps; integrations and click Third-Party integrations.

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7. Click on Connect integration



8. Select GitHub and click Next.

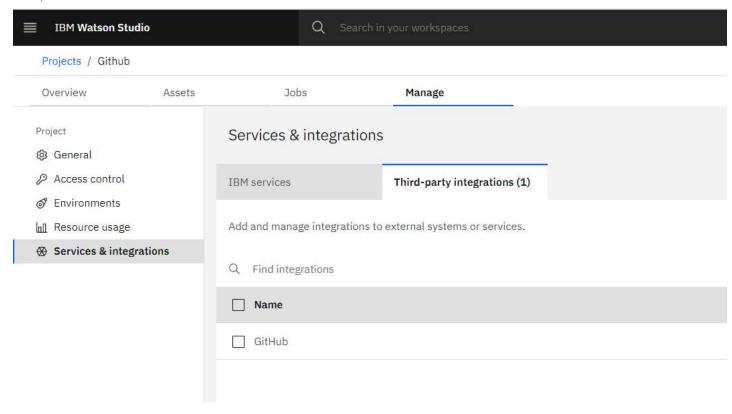
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Connect Integration Select the third-party integration you want to add to this project. Amazon EMR Amazon EMR is a managed cluster compute service that you can associate with a project in Watson Studio and use to run your notebooks. GitHub Connect your project to a Github repo and allow version control to backup your work.



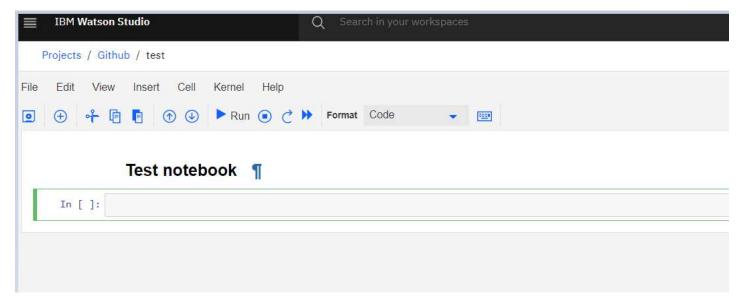
- 9. Then generate Access Token and add it in **Personal access Token**. Once the Access token is added, enter the repository name where you want to push the notebook. Then click on **connect** button.
- lacktriangledown Click here for Generating Access token
 - Follow the steps for Generation of Access Token
 - 10. Once the repository is added successfully, you get a successfully connected message as shown in the screenshot below:

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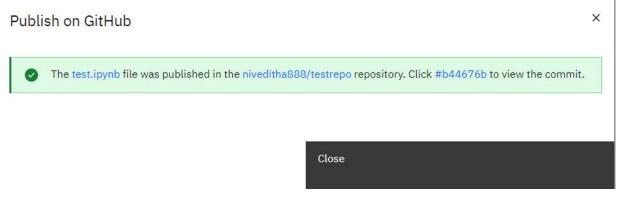


Task B: Publish Watson Notebook on GitHub

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

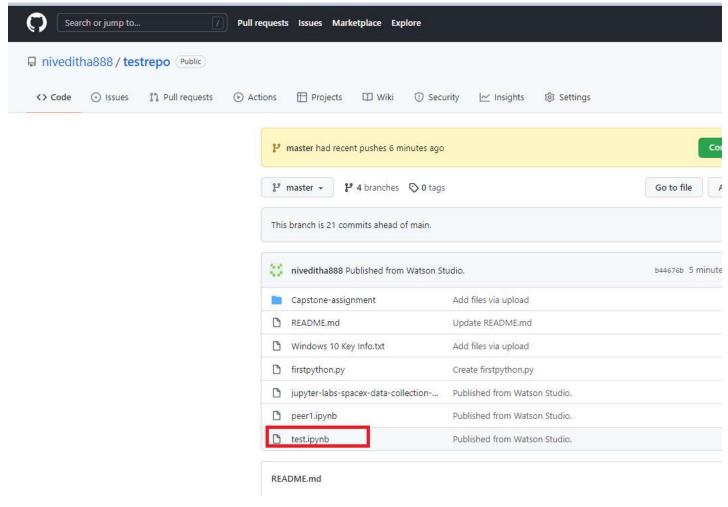


A success message will be poped indicating the name of the repository with the notebook name.ipynb.



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

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▶ Important notes

Author

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Other Contributor(s)

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Change Log

Date (YYYY	-MM-DI	D) Versio	n 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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