

Appendix: Load Data Assets

Introduction

Labs 3 and 4 are dependent on the push to project the step in Lab-2 completing successfully. We are providing the steps in this Appendix to satisfy the prerequisites for Labs 3 and 4 in the case that the push to project in Lab-2 is not completed successfully.

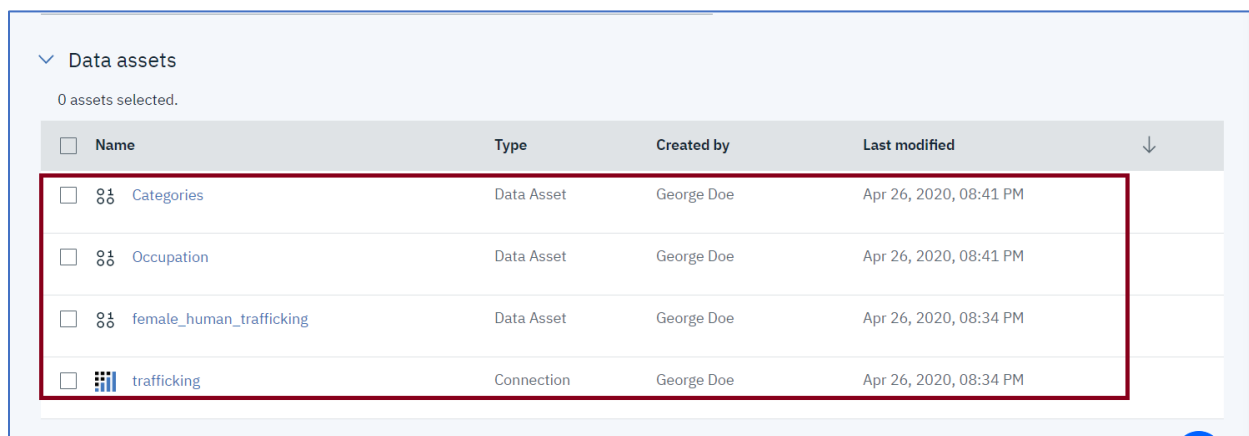
Objectives





In this lab, you will learn how to:

1. Upload a csv file to Watson Studio
2. Create a connection to a data source
3. Create a connected data asset.

Data Assets

The data assets needed for Labs 3 and 4 are shown below. If any of these are missing from the Data Assets section in the project, please follow the steps below.



▼ Data assets				
0 assets selected.				
<input type="checkbox"/>	Name	Type	Created by	Last modified
<input type="checkbox"/>	 Categories	Data Asset	George Doe	Apr 26, 2020, 08:41 PM
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 26, 2020, 08:41 PM
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 26, 2020, 08:34 PM
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 26, 2020, 08:34 PM

Download Files

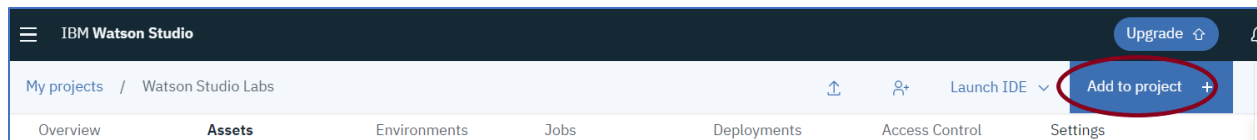
Complete the following steps if you have not downloaded the trafficking data files (Categories.csv and Occupation.csv) from the github repository

1. Click [here](#), to download the zipped file.
2. Extract the file contents. You should have two files extracted, (1) Categories.csv, and (2) Occupation.csv.

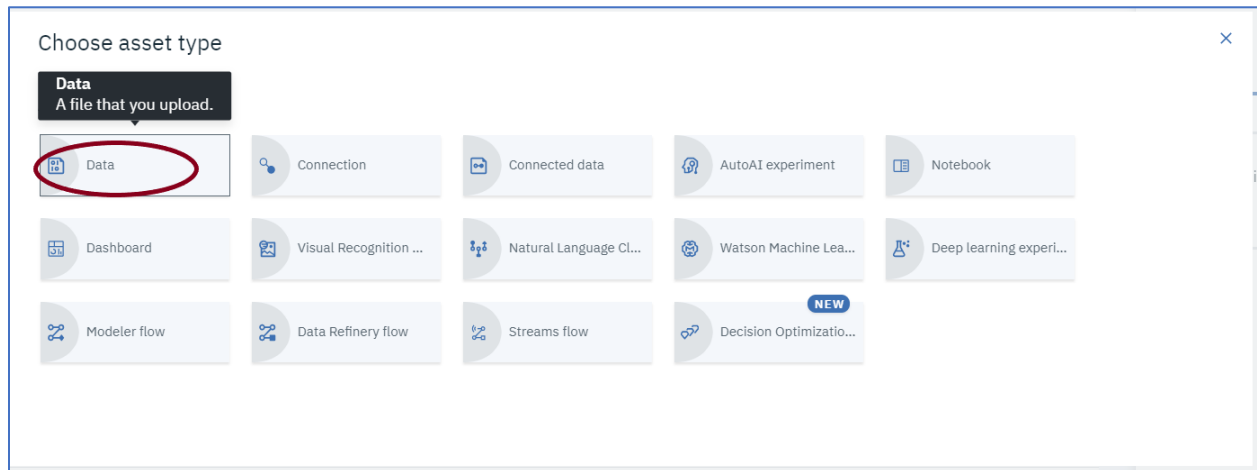
Add Categories

To add the Categories data asset to the project, complete the following steps.

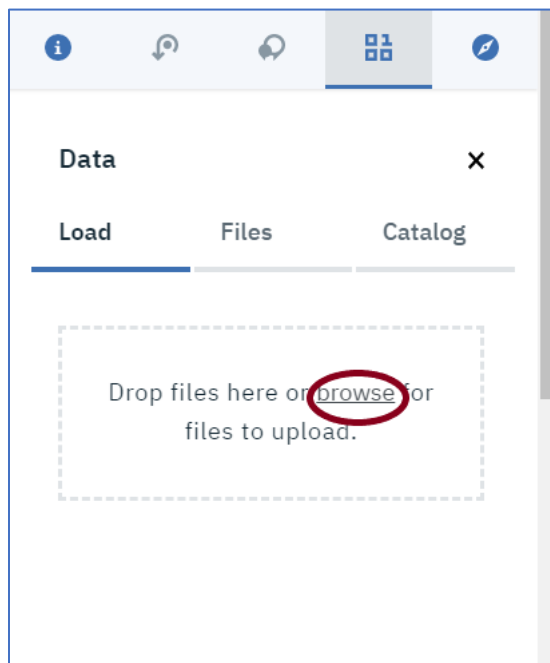
1. Click on **Add to project**.



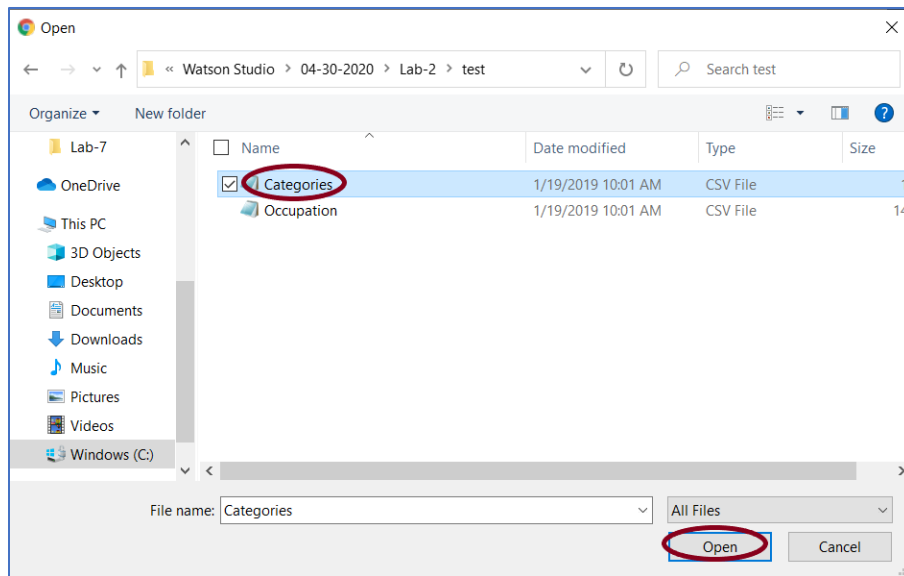
2. Click on **Data**.



3. Click on **browse**.



4. Navigate to where Categories.csv was downloaded to your file system. Click on **Categories**. Click **Open**.

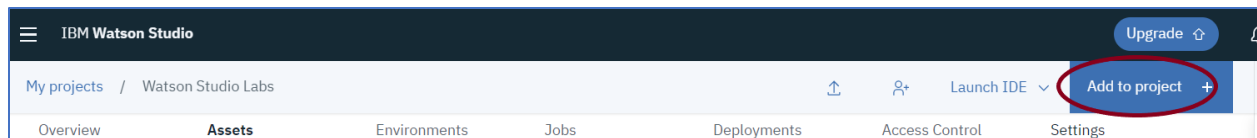


5. The **Categories** asset is added to the project.

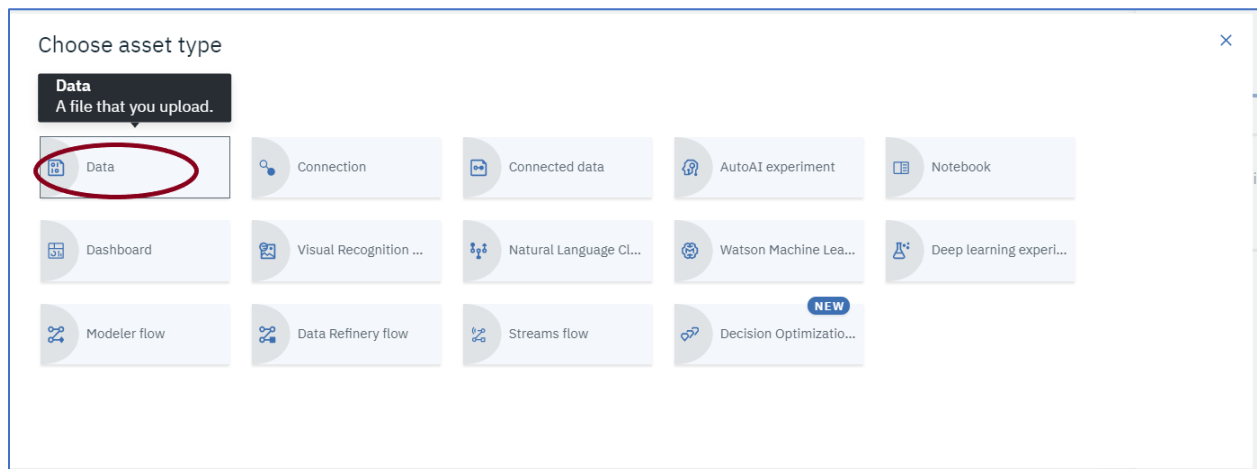
Add Occupation.

To add the Occupation data asset to the project, complete the following steps.

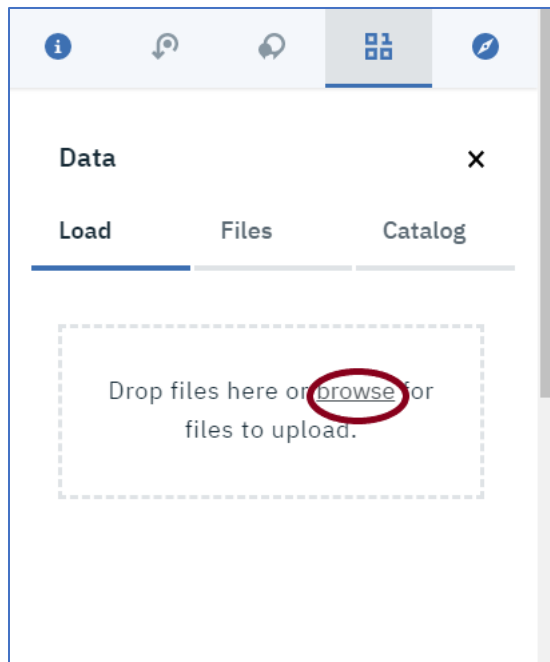
1. Click on **Add to project**.



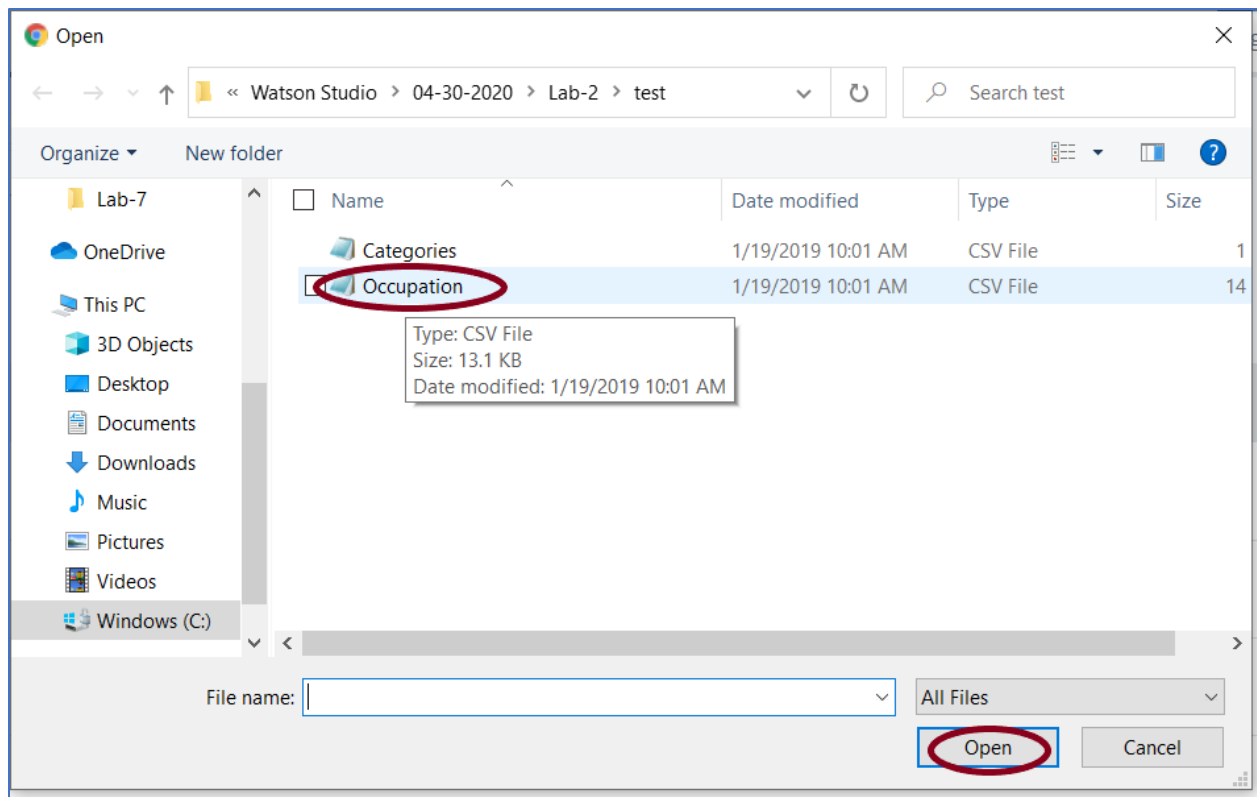
2. Click on **Data**.



3. Click on **browse**.



4. Navigate to where **Occupation.csv** was downloaded to your file system. Click on **Occupation**. Click **Open**.







5. The **Occupation** asset is added to the project.






Change Data Asset Names

To be consistent with the output of Lab-2, we need to change Occupation.csv to Occupation, and Categories.csv to Categories.


1. Click on **Occupation.csv**


Data assets				
0 assets selected.				
<input type="checkbox"/>	Name	Type	Created by	Last modified
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM
<input type="checkbox"/>	 Occupation.csv	Data Asset	George Doe	Apr 28, 2020, 07:47 PM
<input type="checkbox"/>	 Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM

2. Hover over Occupation.csv to display the pencil icon. Click on the **pencil** icon.



Information

 Data Asset

Occupation.csv 

Description

No description is available for this asset.

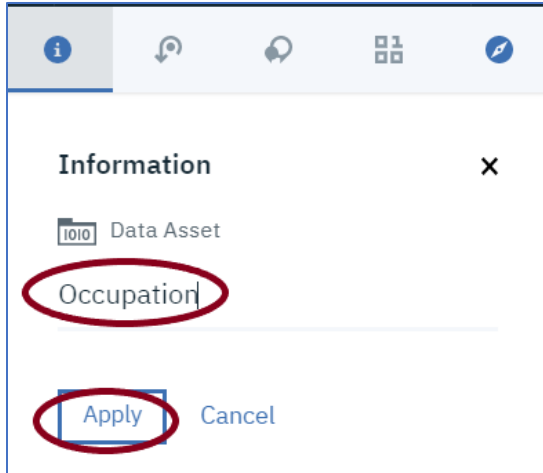
Tags

No description is available for this asset.


Added: Apr 28, 2020, 07:47 PM

Size: 13.484 KB

3. Change the name to **Occupation** and click **Apply**.



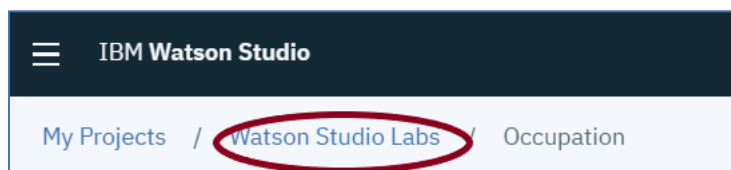
Information ✕

 Data Asset

Occupation

Apply Cancel





4. Click **Watson Studio Labs** to return to the **Asset** page.



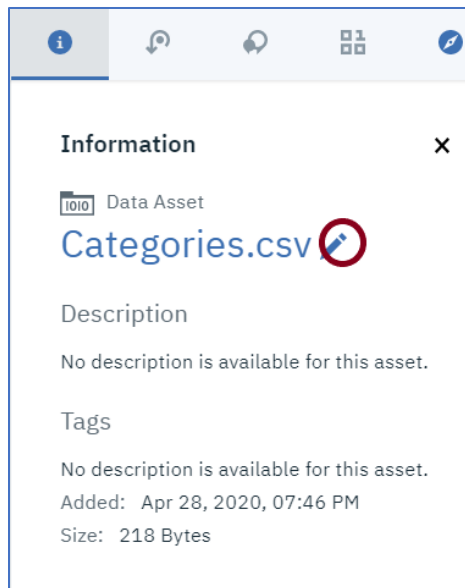
5. Click on **Categories.csv**

✓ Data assets

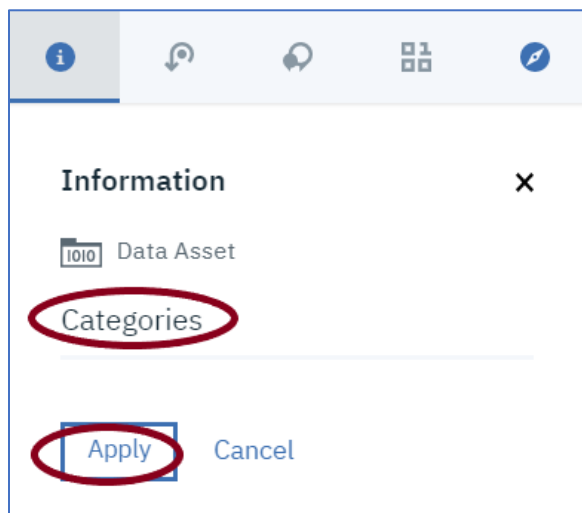
0 assets selected.

<input type="checkbox"/>	Name	Type	Created by	Last modified	↓
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 29, 2020, 08:14 AM	
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM	
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM	
<input type="checkbox"/>	 Categories.csv	Data Asset	George Doe	Apr 28, 2020, 07:46 PM	

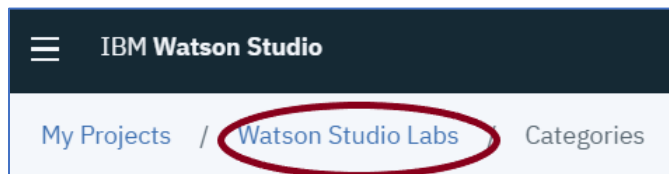
6. Hover over **Categories.csv** to display the pencil icon. Click on the **pencil** icon.



7. Change **Categories.csv** to **Categories** and click **Apply**.








8. Click **Watson Studio Labs** to return to the **Asset** page.



9. The **Categories** asset name has been changed.

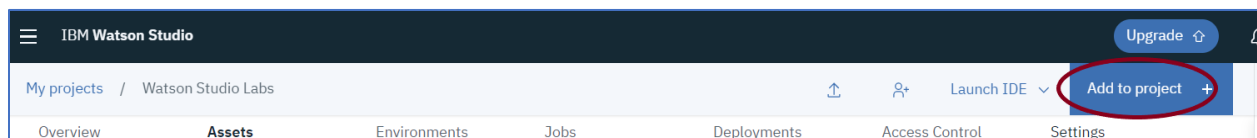
▼ Data assets

0 assets selected.

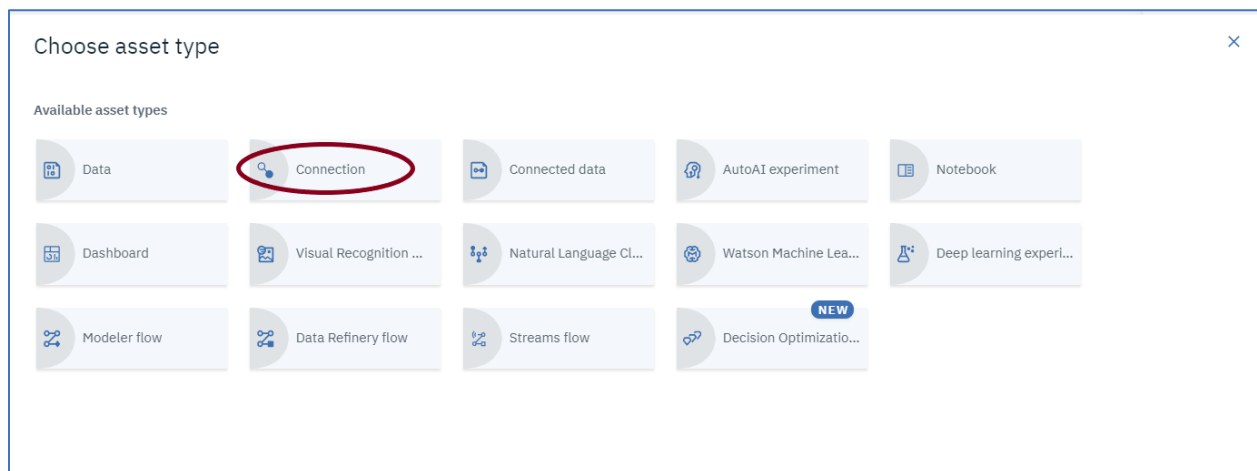
<input type="checkbox"/>	Name	Type	Created by	Last modified	↓
<input type="checkbox"/>	 Categories	Data Asset	George Doe	Apr 29, 2020, 08:38 AM	
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 29, 2020, 08:14 AM	
<input type="checkbox"/>	 female_human_trafficking	Data Asset	George Doe	Apr 28, 2020, 11:40 PM	
<input type="checkbox"/>	 trafficking	Connection	George Doe	Apr 28, 2020, 11:11 PM	
<input type="checkbox"/>	 Occupation	Data Asset	George Doe	Apr 26, 2020, 08:41 PM	

Add Trafficking_DB2WH Connection

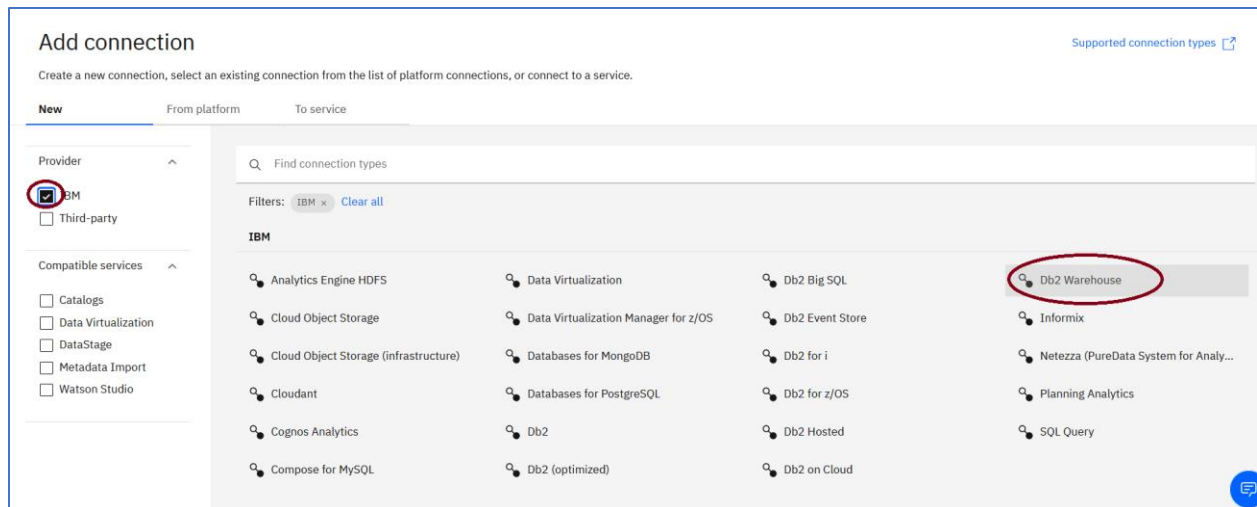
1. Click on **Add to project**.



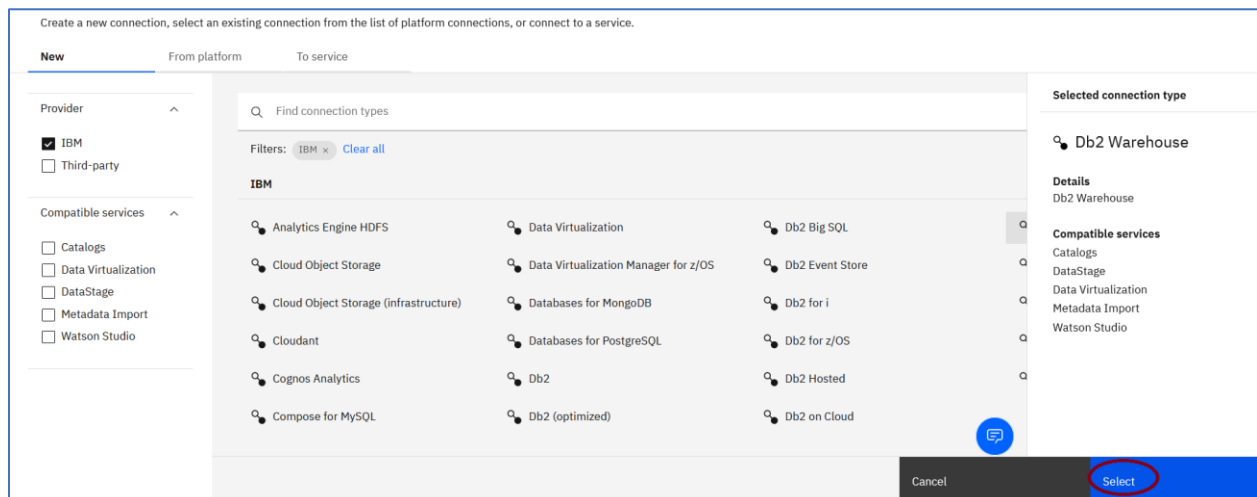
2. Click on **Connection**



3. Click on **DB2 Warehouse**



4. Click Select.



5. Enter **Trafficking_DB2WH** for the Connection Name.

Create connection: Db2 Warehouse

Enter the connection information.

Connection overview

[Show more](#) ▾

Name

Trafficking_DB2WH

Description

Connection description

- Choose one of the two connections from the DB2 Warehouse Credentials file that you downloaded in Lab-2. Copy “db” name from credentials file to the **Database** field (should be BLUDB). Copy the hostname from the credentials file. Copy the port from the credentials file (it should be 50001)

Connection details

Database* ⓘ

Copy db name

Hostname or IP address* ⓘ

Copy host name

Port ⓘ

50001

- Copy “Username” from the credentials file to the **Username** field. Copy the “Password” from the credentials file to the Password field. Click **Test Connection**.

Create connection: Db2 Warehouse

Enter the connection information.

Port ⓘ
50001

Credentials

Username* ⓘ
Copy Username

Password* ⓘ

Certificates

☒ Port is SSL-enabled ⓘ

SSL certificate ⓘ

Test connection

8. The test should be successful. If not, please check the credential information. Click Create.

Enter the connection information.

Port ⓘ
50001

Credentials

Username* ⓘ
Copy Username

Password* ⓘ

Certificates

☒ Port is SSL-enabled ⓘ

SSL certificate ⓘ

Cancel Back Create

Add Connected Asset

1. Click on **Add to project**.

IBM Watson Studio

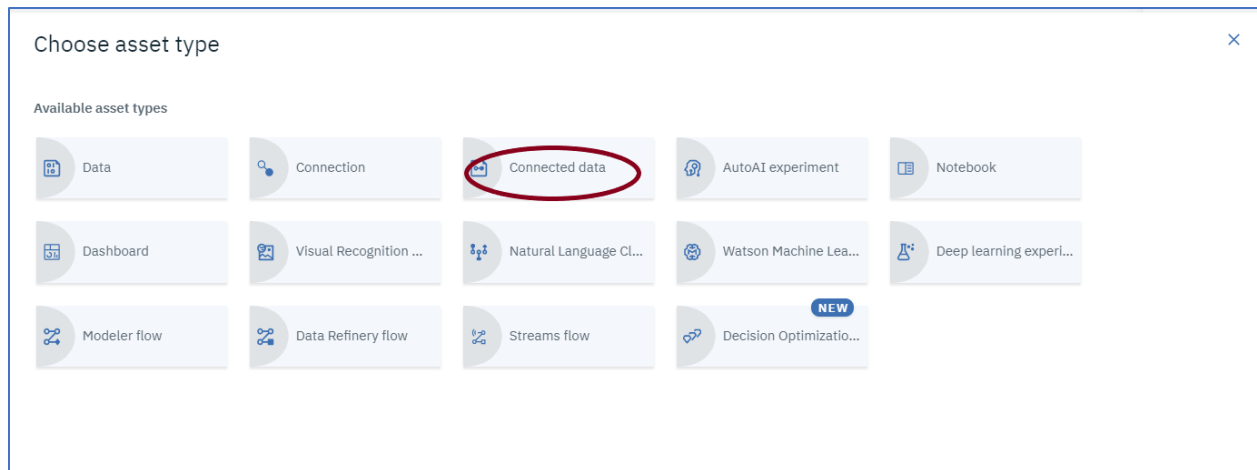
Upgrade ⓘ

My projects / Watson Studio Labs

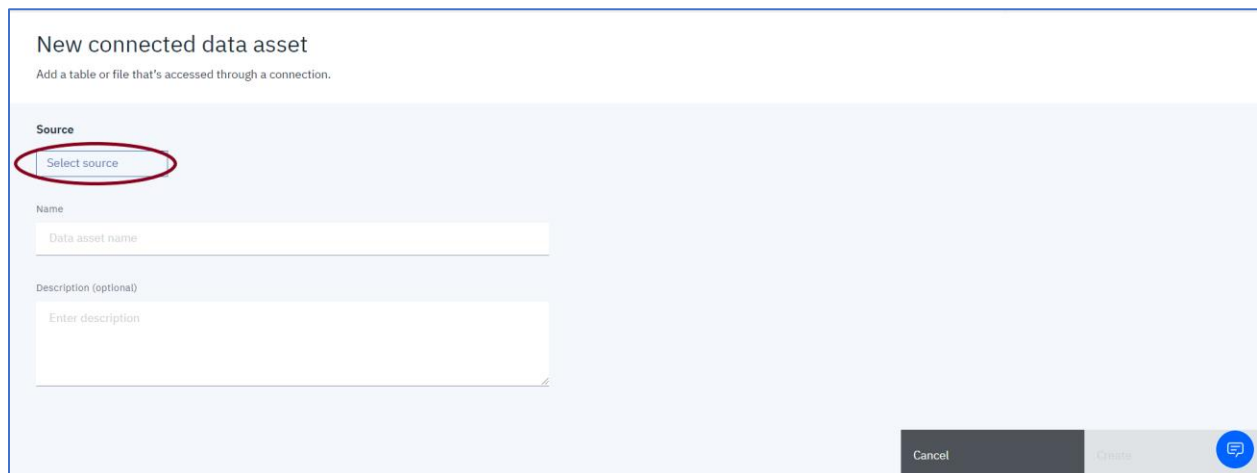
Overview Assets Environments Jobs Deployments Access Control Settings

Launch IDE ⓘ Add to project +

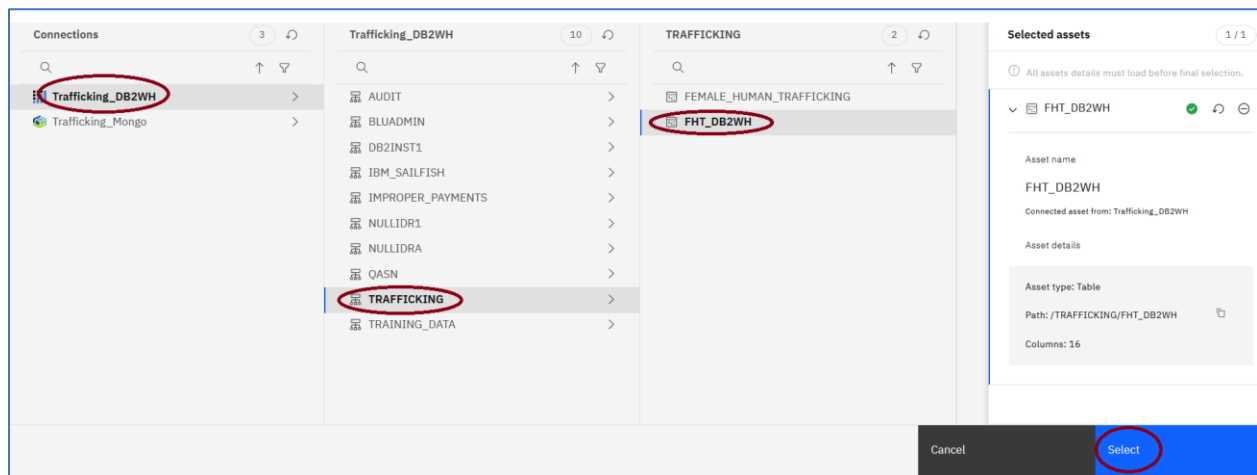
2. Click on **Connected data**



3. Click on **Select Source**



4. Click on **Trafficking_DB2WH** for the **Connection**, **TRAFFICKING** for the **Schema**, and **FHT_DB2WH** for the **Table**. Click **Select**.



5. Enter **female_human_trafficking** for the **Name** and click **Create**.

My Projects / Watson Studio Labs / New connected data asset

New connected data asset

Add a table or file that's accessed through a connection.

Source: Db2 Warehouse Change source

trafficking : /TRAFFICKING/FEMALE_HUMAN_TRAFFICKING

Name
female_human_trafficking

Description (optional)
Enter description

Cancel Create Help

6. The **female_human_trafficking** Connected Data asset is created.

Add MongoDB Connection

Follow the instructions for adding the DB2WH connection, except select Databases for MongoDB and use the MongoDB Credentials file that was downloaded in Lab-2

Add MongoDB Connected Data Asset

Follow the instructions for the DB2WH connection, except select the MongoDB connection as the Source.