

# Creating a Db2 Warehouse on Cloud instance in Bluemix



Selecting the Db2 Warehouse on Cloud icon in the DSX Lab #1 notebook creates a new tab with the following screen. Note: if your Bluemix credentials are already loaded you will be brought directly to the Db2 Warehouse on Cloud create screen.

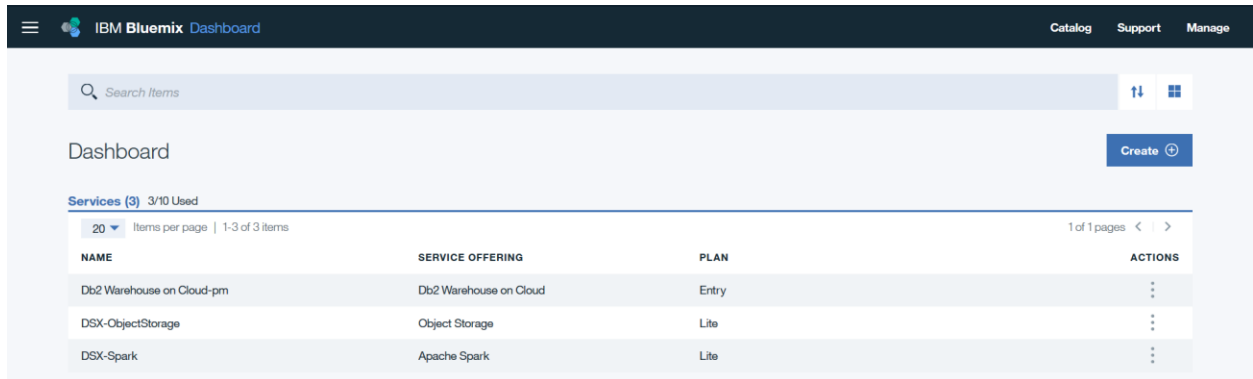
The screenshot shows the IBM Bluemix Catalog page for 'Db2 Warehouse on Cloud'. The page includes a header with 'IBM Bluemix Catalog', 'Docs', 'Catalog', 'Log In', and 'Sign Up' buttons. Below the header, there's a 'View all' link and the title 'Db2 Warehouse on Cloud'. The main content area is divided into two columns. The left column contains a description of the service, its features, and a 'View Docs' link. The right column contains a 'Features' section with four bullet points: 'Fully managed, safe, and secure', 'Highly Available (HA) with MPP', 'Compatible with Netezza and Oracle', and 'Built for the hybrid cloud'. Below the features, there's an 'Images' section with a description and a series of screenshots showing the user interface. At the bottom, there's a 'Need Help? Contact Bluemix Sales' link and a 'Sign up to Create' button.

Select **Log In**

**Log In** should log you into Bluemix using your DSX credentials and bring you to the Db2 Warehouse on Cloud create screen

The screenshot shows the IBM Bluemix Catalog page for 'Db2 Warehouse on Cloud', specifically the 'Create' screen. The page includes a header with 'IBM Bluemix Catalog', 'Catalog', 'Support', and 'Manage' buttons. Below the header, there's a 'View all' link and the title 'Db2 Warehouse on Cloud'. The main content area is divided into two columns. The left column contains a description of the service, its features, and a 'View Docs' link. The right column contains a 'Service name' field with the value 'Db2 Warehouse on Cloud-5j', a 'Select region to deploy in:' dropdown menu with 'US South' selected, a 'Choose an organization:' field with the value 'jpatter@us.ibm.com', and a 'Choose a space:' dropdown menu with 'DEMO' selected. Below these fields, there's a 'Features' section with four bullet points: 'Fully managed, safe, and secure', 'Highly Available (HA) with MPP', 'Compatible with Netezza and Oracle', and 'Built for the hybrid cloud'. At the bottom, there's a 'Need Help? Contact Bluemix Sales' link, an 'Estimate Monthly Cost Cost Calculator' link, and a 'Create' button.

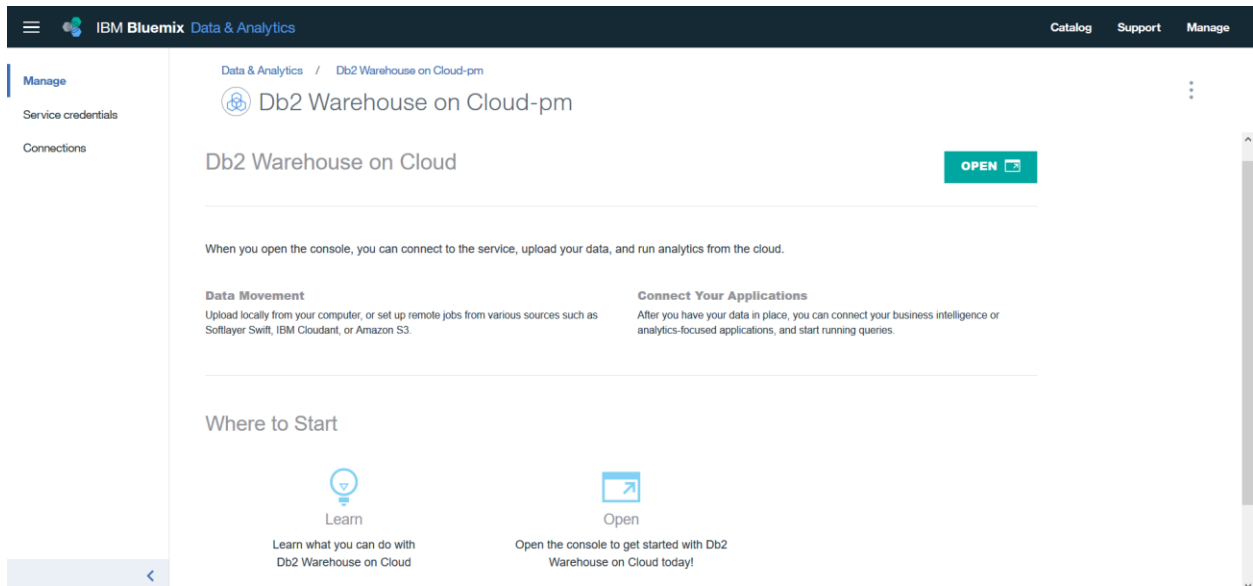
Provide a name for the Db2 Warehouse on Cloud service or take the default. **Create** the Db2 Warehouse on Cloud instance – you will be directed to the Dashboard and see something similar to (or you may go directly to the Db2 Warehouse on Cloud service screen as shown on the next page)



The screenshot shows the IBM Bluemix Dashboard. At the top, there's a navigation bar with the IBM Bluemix logo and the word "Dashboard". On the right, there are links for "Catalog", "Support", and "Manage". Below the navigation bar is a search bar labeled "Search Items". The main content area is titled "Dashboard" and includes a "Create" button. Below this, there's a section for "Services (3) 3/10 Used". A table lists the services:

| NAME                      | SERVICE OFFERING       | PLAN  | ACTIONS |
|---------------------------|------------------------|-------|---------|
| Db2 Warehouse on Cloud-pm | Db2 Warehouse on Cloud | Entry | ⋮       |
| DSX-ObjectStorage         | Object Storage         | Lite  | ⋮       |
| DSX-Spark                 | Apache Spark           | Lite  | ⋮       |

Select the **Db2 Warehouse on Cloud** service – this brings you to the following



The screenshot shows the Db2 Warehouse on Cloud console page. The navigation bar at the top includes the IBM Bluemix logo and "Data & Analytics". On the right, there are links for "Catalog", "Support", and "Manage". The left sidebar has a "Manage" section with sub-links for "Service credentials" and "Connections". The main content area is titled "Db2 Warehouse on Cloud-pm" and includes a breadcrumb "Data & Analytics / Db2 Warehouse on Cloud-pm". Below the title is a section for "Db2 Warehouse on Cloud" with an "OPEN" button. A paragraph states: "When you open the console, you can connect to the service, upload your data, and run analytics from the cloud." Below this, there are two sections: "Data Movement" and "Connect Your Applications". At the bottom, there's a "Where to Start" section with two cards: "Learn" (Learn what you can do with Db2 Warehouse on Cloud) and "Open" (Open the console to get started with Db2 Warehouse on Cloud today!).

Select **OPEN** to open the Db2 Warehouse on Cloud console.

IBM Db2 Warehouse on Cloud
Load
Explore
Run SQL
Analyze
0%
dsxspare3@gmail.com
Upgrade

Quick stats

Connect to Db2 Warehouse on Cloud

Select a client

Select a client for details about getting your applications connected to Db2 Warehouse on Cloud.

Load activity

| STATUS                       | SOURCE | FILENAME | TARGET | REQUESTED BY | ROWS LOADED | ROWS REJECTED |
|------------------------------|--------|----------|--------|--------------|-------------|---------------|
| You have no recent load jobs |        |          |        |              |             |               |

Load data

Close the Quick Tour and select **Load**

IBM Db2 Warehouse on Cloud
Load
Explore
Run SQL
Analyze
0%
dsxspare3@gmail.com
Upgrade

Source
Target
Define
Finalize
Next

Select a data source

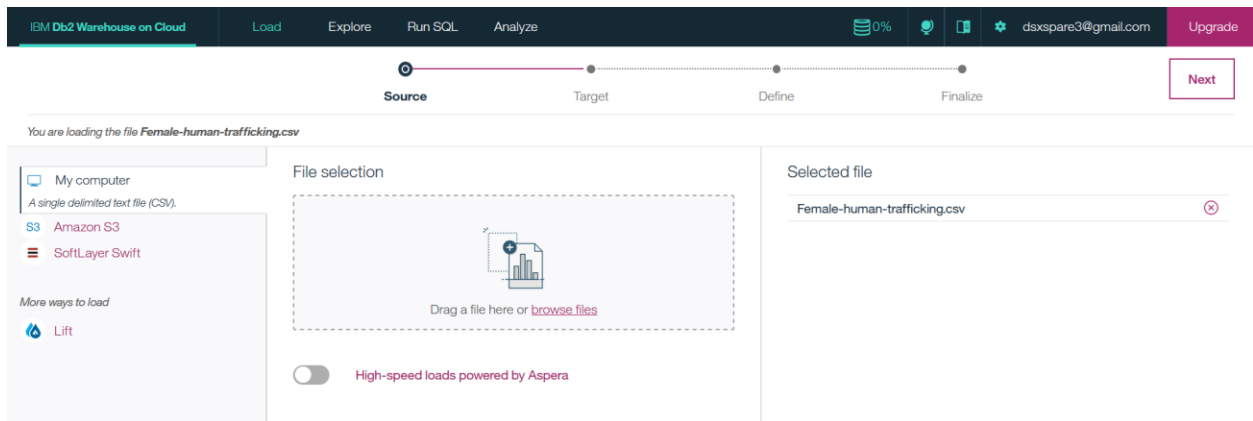
My computer
A single delimited text file (CSV).
Amazon S3
SoftLayer Swift
More ways to load
Lift

File selection

Drag a file here or [browse files](#)

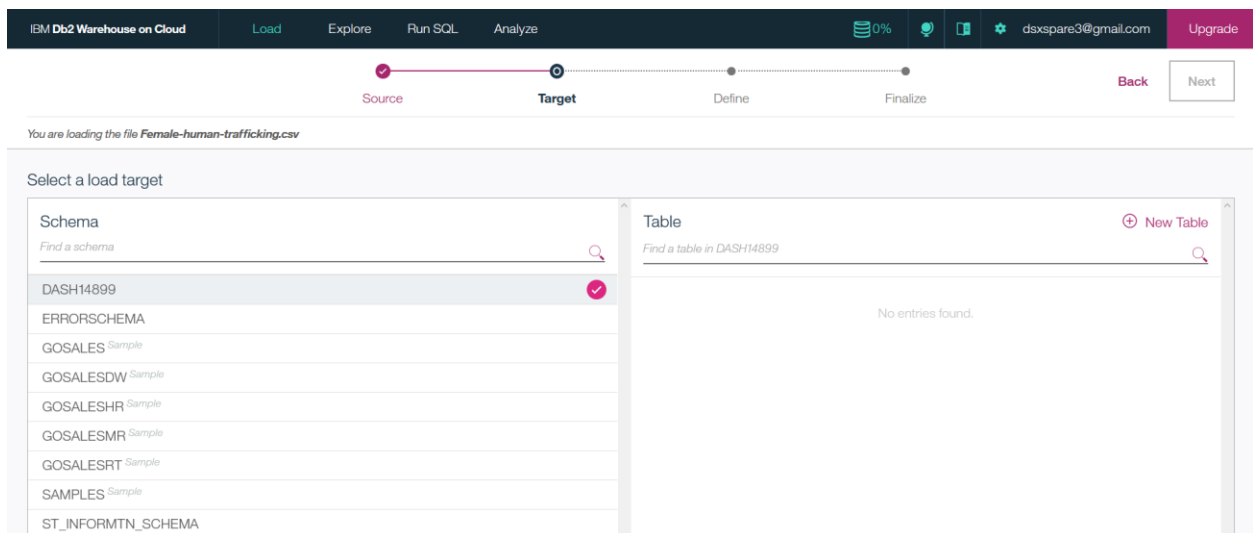
☐ High-speed loads powered by Aspera

Browse files and select the **female\_human\_trafficking.csv** file which you should have downloaded previously.

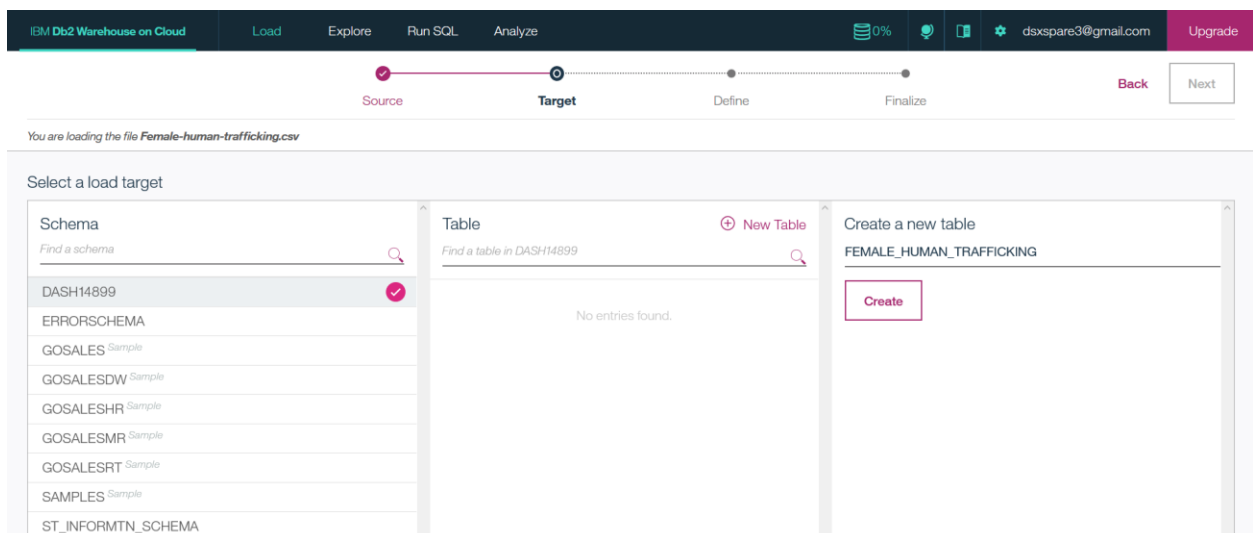


Select **Next**.

Select the schema. Select the one that has **DASH** in it.



Select **New Table** and enter **FEMALE\_HUMAN\_TRAFFICKING** for the table name



The screenshot shows the IBM Db2 Warehouse on Cloud console. At the top, there's a navigation bar with 'Load', 'Explore', 'Run SQL', and 'Analyze' tabs. The 'Load' tab is active. Below the navigation bar, there's a progress bar with four steps: 'Source' (active), 'Target', 'Define', and 'Finalize'. The 'Source' step is highlighted with a red circle. Below the progress bar, there's a text box that says 'You are loading the file Female-human-trafficking.csv into DASH14899.FEMALE\_HUMAN\_TRAFFICKING'. On the right side of the console, there's a 'Back' button and a 'Next' button. The 'Next' button is highlighted with a red border.

Select **Next**

Select **Next**

IBM Db2 Warehouse on Cloud
Load
Explore
Run SQL
Analyze
0%
dsxspare3@gmail.com
Upgrade

Source
Target
Define
Finalize
Back
Begin Load

You are loading the file *Female-human-trafficking.csv* into *DASH14899.FEMALE\_HUMAN\_TRAFFICKING*

### Review settings

#### Summary

Code page: 1208  
Separator: ,  
Header in first row: Yes  
Time format: HH:MM:SS (Default)  
Date format: M/D/YYYY  
Timestamp format: YYYY-MM-DD HH:MM:SS (Default)  
String delimiter: \* (Default)

#### Option

Maximum number of warnings: 1000

## Select Begin Load

IBM Db2 Warehouse on Cloud
Load
Explore
Run SQL
Analyze
0%
dsxspare3@gmail.com
Upgrade

### Load details

COMPLETE

My computer

Female-human-trafficking.csv

Target

DASH14899.FEMALE\_HUMAN\_TRAFFI...

View Table
Load More Data

Status
Settings

1,085

1,085

0

Rows read

Rows loaded

Rows rejected

Start time

10/6/2017 at 9:58:33 AM Eastern Standard Time

End time

10/6/2017 at 9:58:34 AM Eastern Standard Time

The data load job succeeded.  
You can now work with your data.

Errors
Warnings
Download Log

No errors

COMPLETE

My computer

Female-human-trafficki...

Target

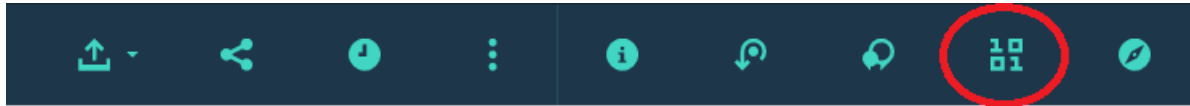
DASH14899.FEMALE\_...

The table is now loaded. You may exit Bluemix or close the tab if desired.

Now that a Db2 Warehouse on Cloud instance has been created, add it as a source to DSX in the next section.

# Adding Db2 Warehouse on Cloud as a DSX Data Source

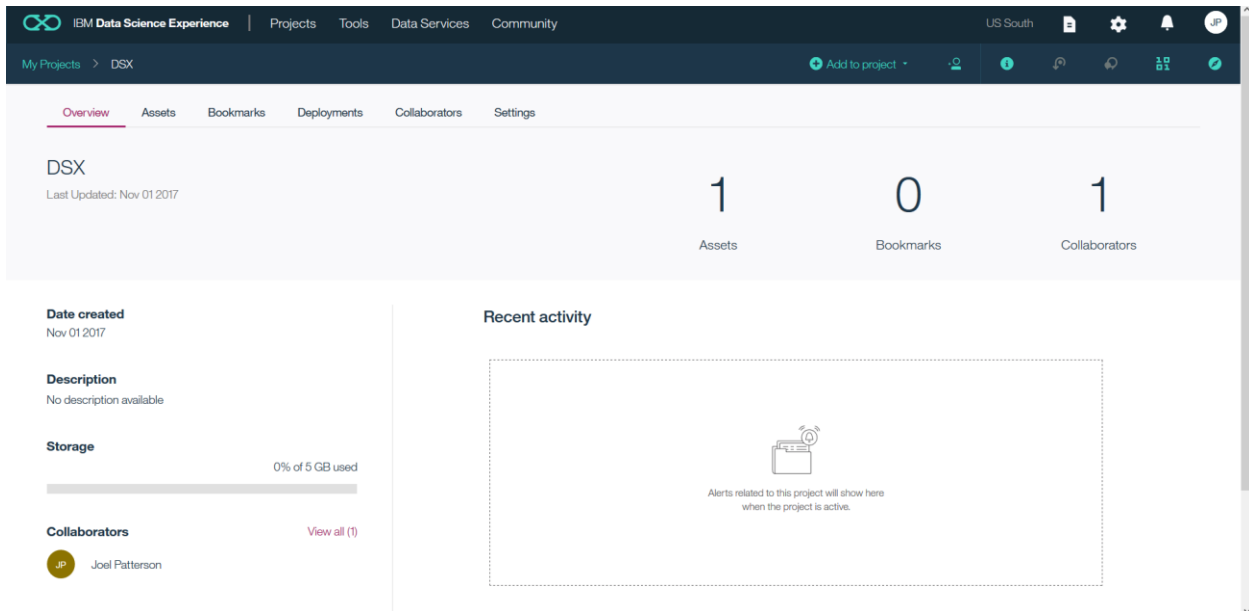
Click the box of 1's and 0's which allows you to insert file or data connections. Select the **Connections** tab.

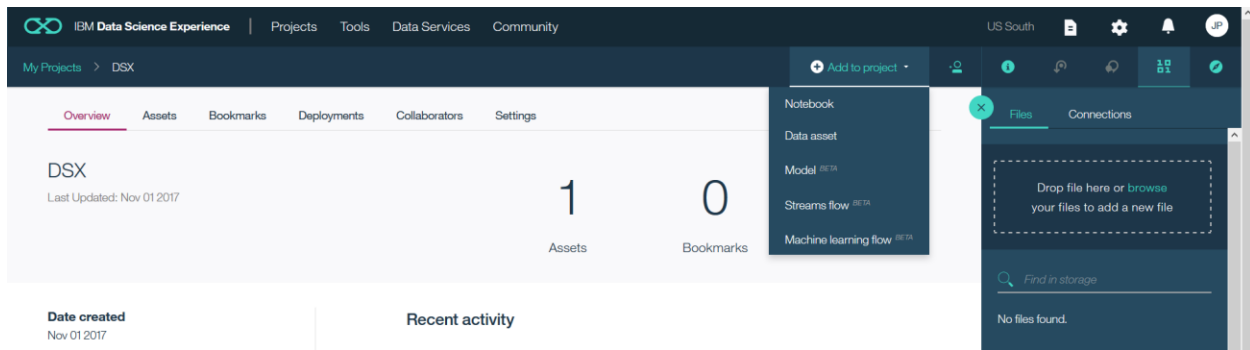


You should not have any connections defined.

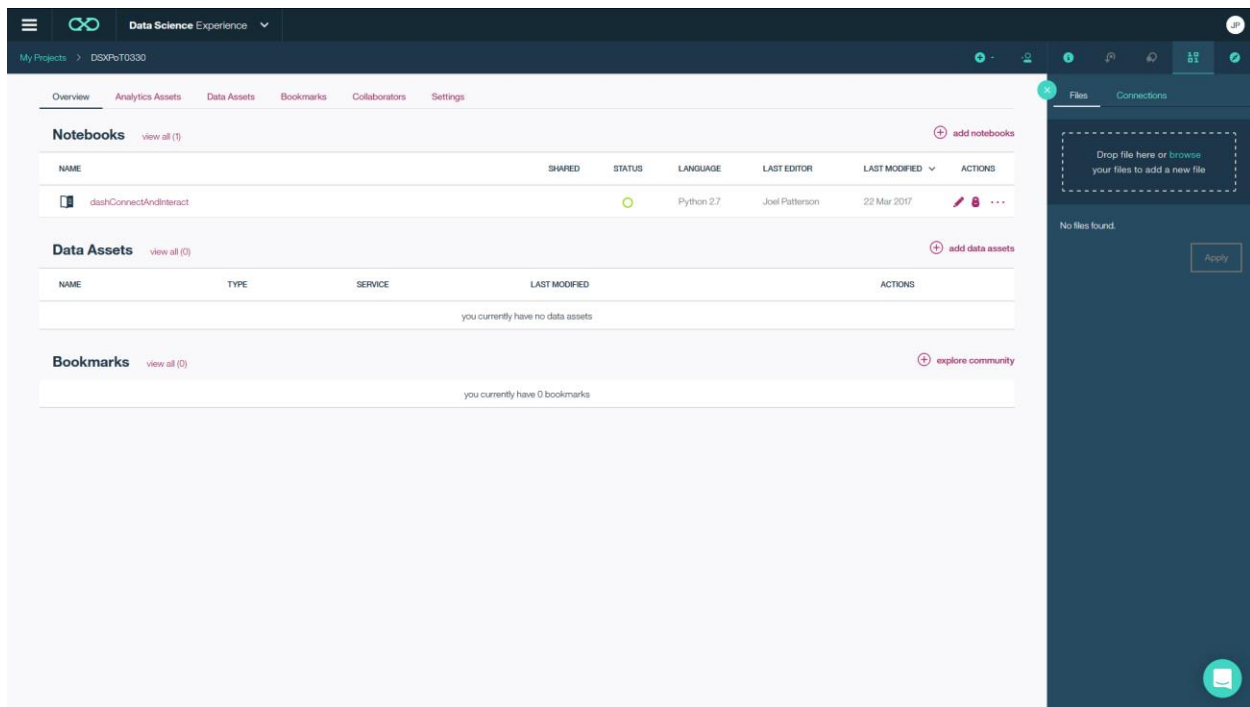


Select **project page** to create a new tab in your browser displaying the project page:



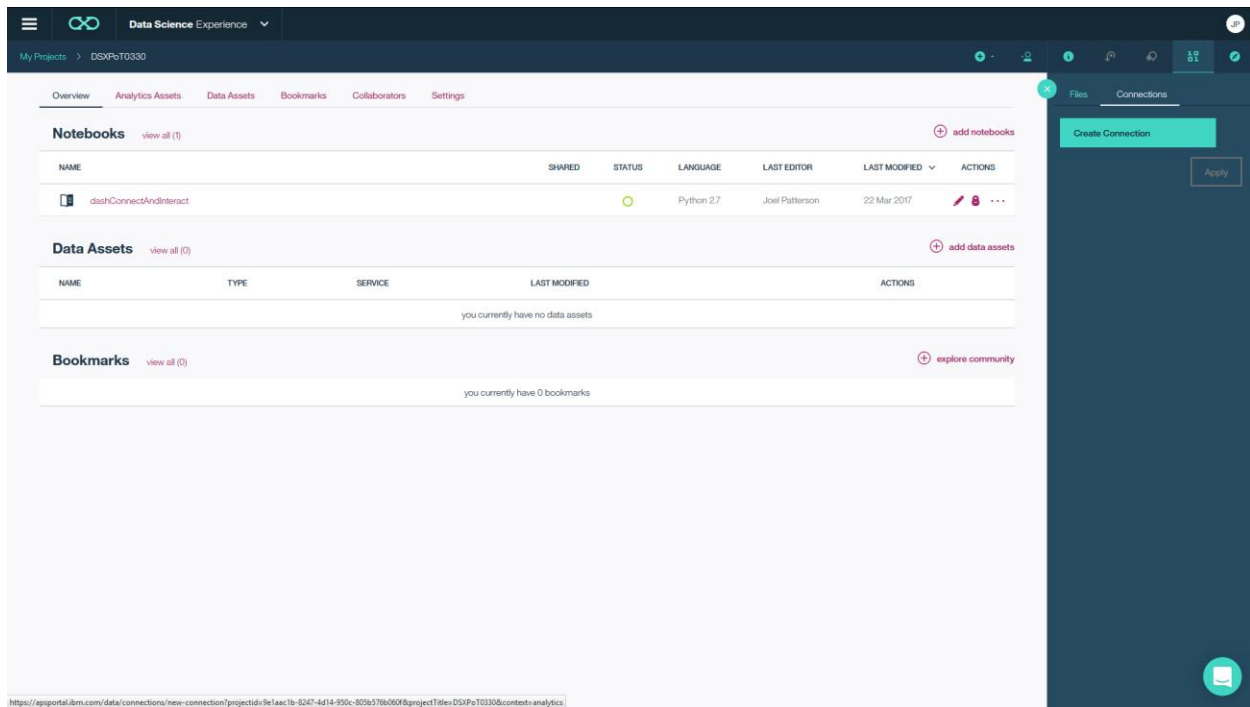


## Select **Data asset**



## Select **Connections**.





## Select Create Connection

Name  
Db2 Warehouse on Cloud

Description  
Connection description

Service Category  
☒ Data Service
 ☐ External

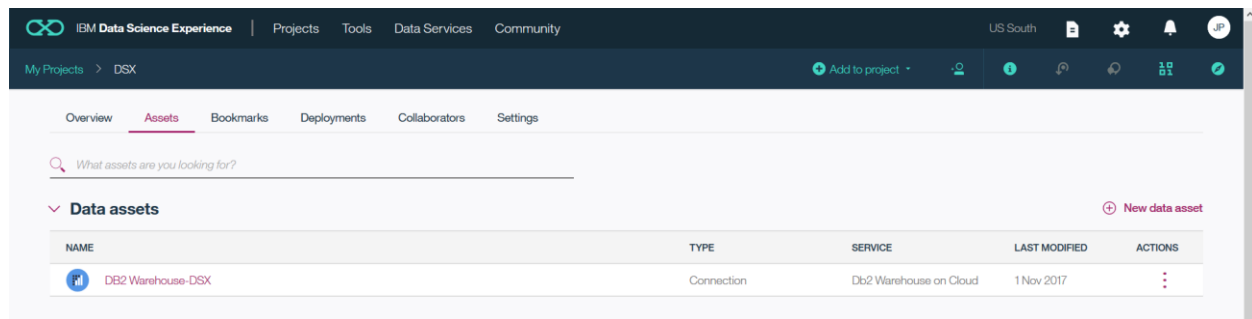
Service Instance  
 Db2 Warehouse on Cloud: Db2 Warehouse on Cloud-ta

Database  
 BLUDB

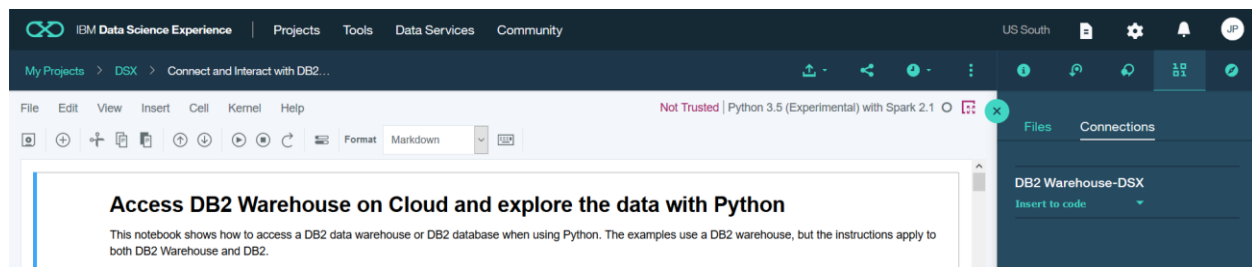
Create Cancel

Pick a name for your **Db2 Warehouse on Cloud** connection, an optional description, and then select the **Service Instance** (name will be what you picked when creating the instance) and **Database** (BLUDB).

**Create.**



The connection will now show in your list of **Data Assets**.



And will automatically update in the list of **Connections** for your notebook.