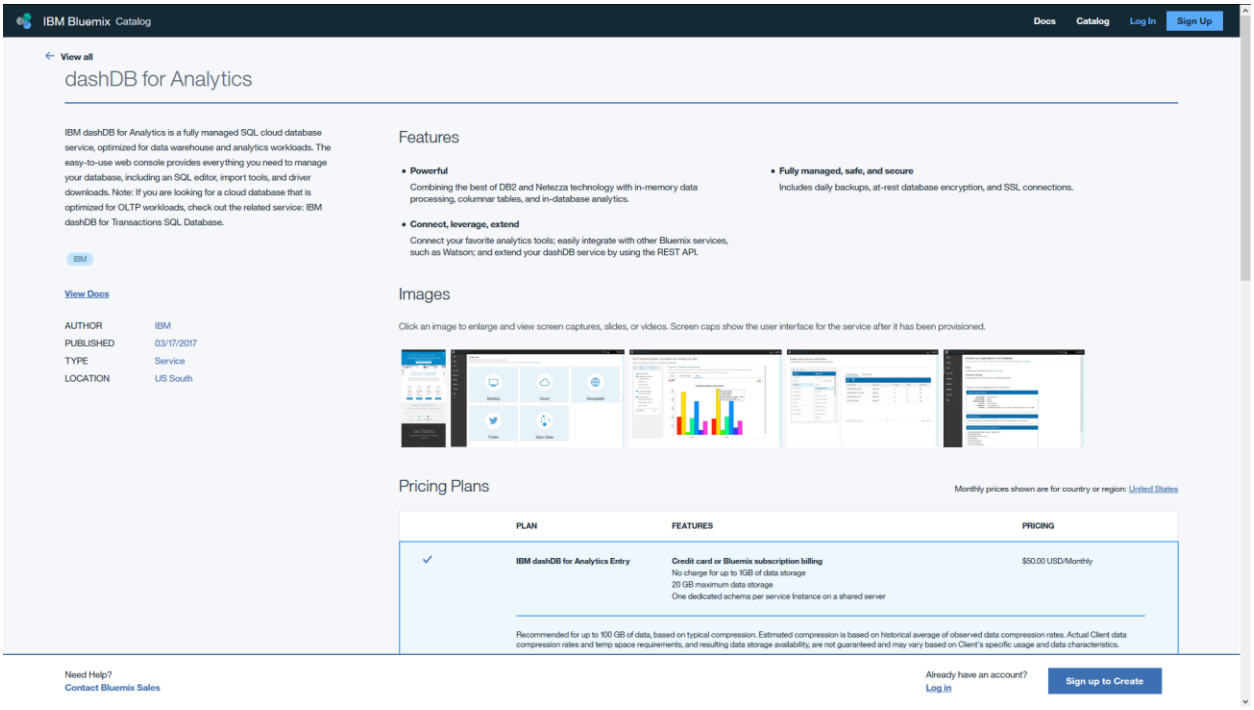
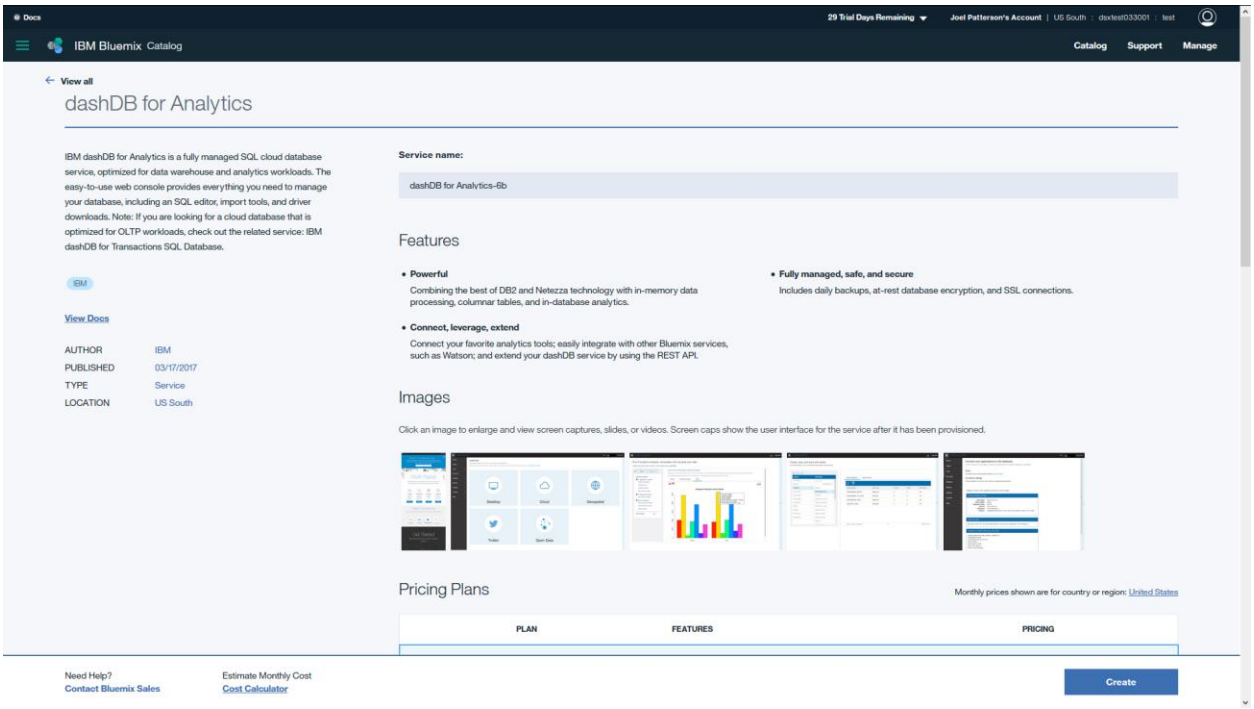
Creating a dashDB instance in Bluemix

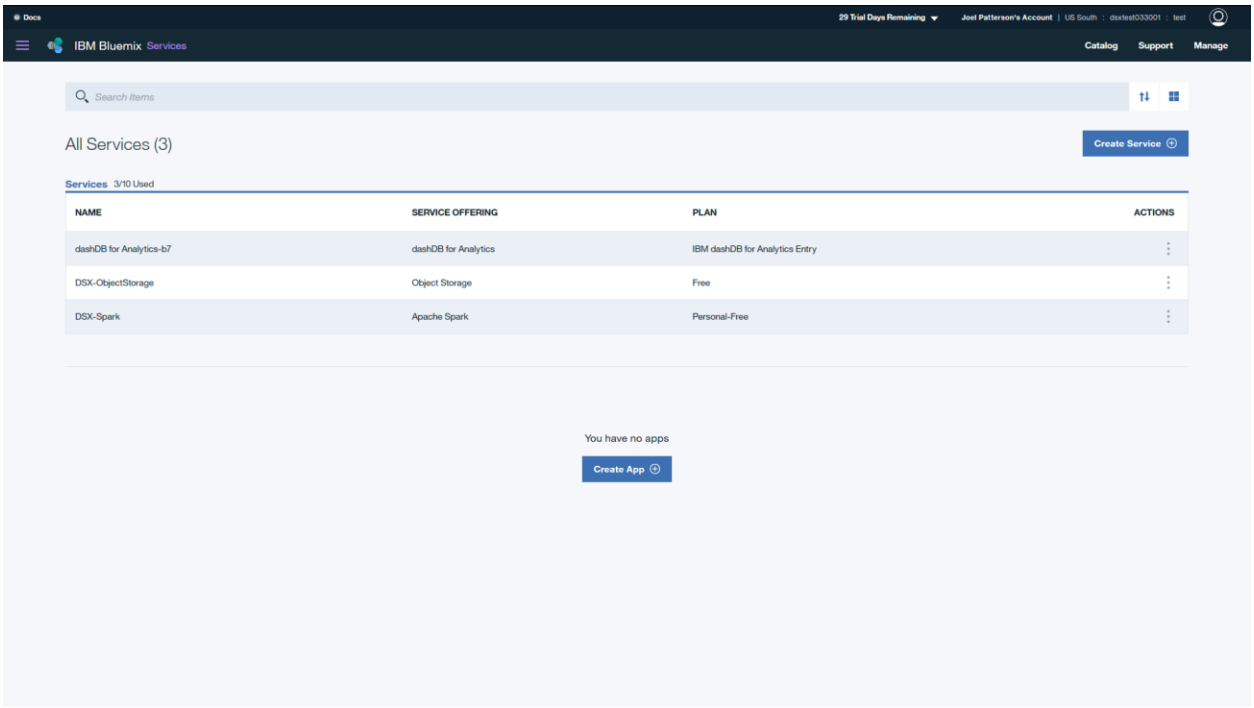
Selecting the dashDB icon creates a new tab with the following screen. Select **Log In**



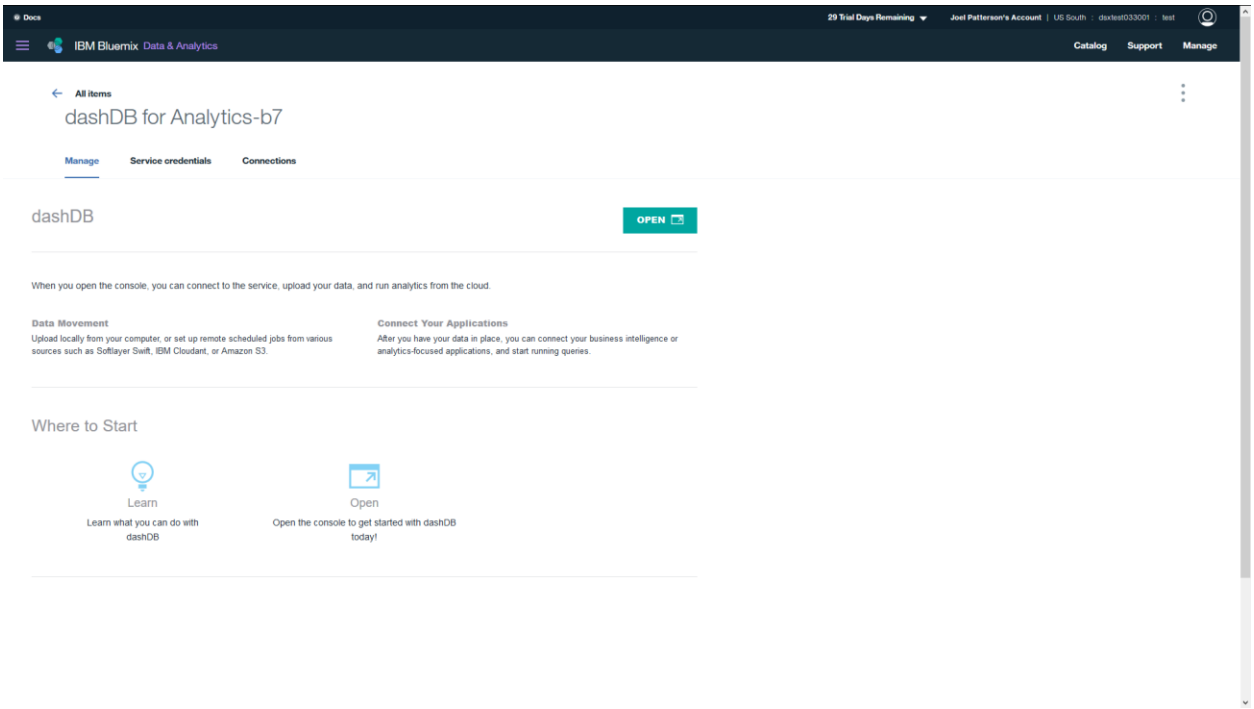
Log In should log you into Bluemix using your DSX credentials and bring you to the dashDB create screen



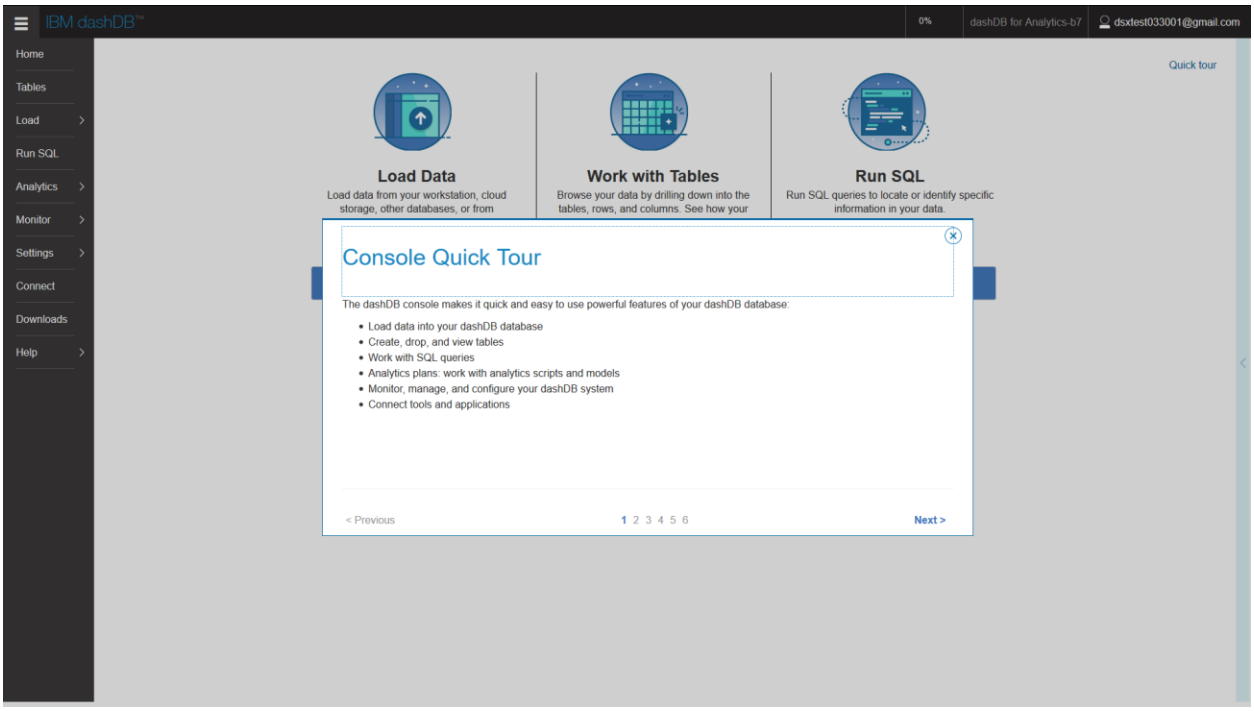
Create the dashDB instance – you will be directed to the Dashboard and see something similar to



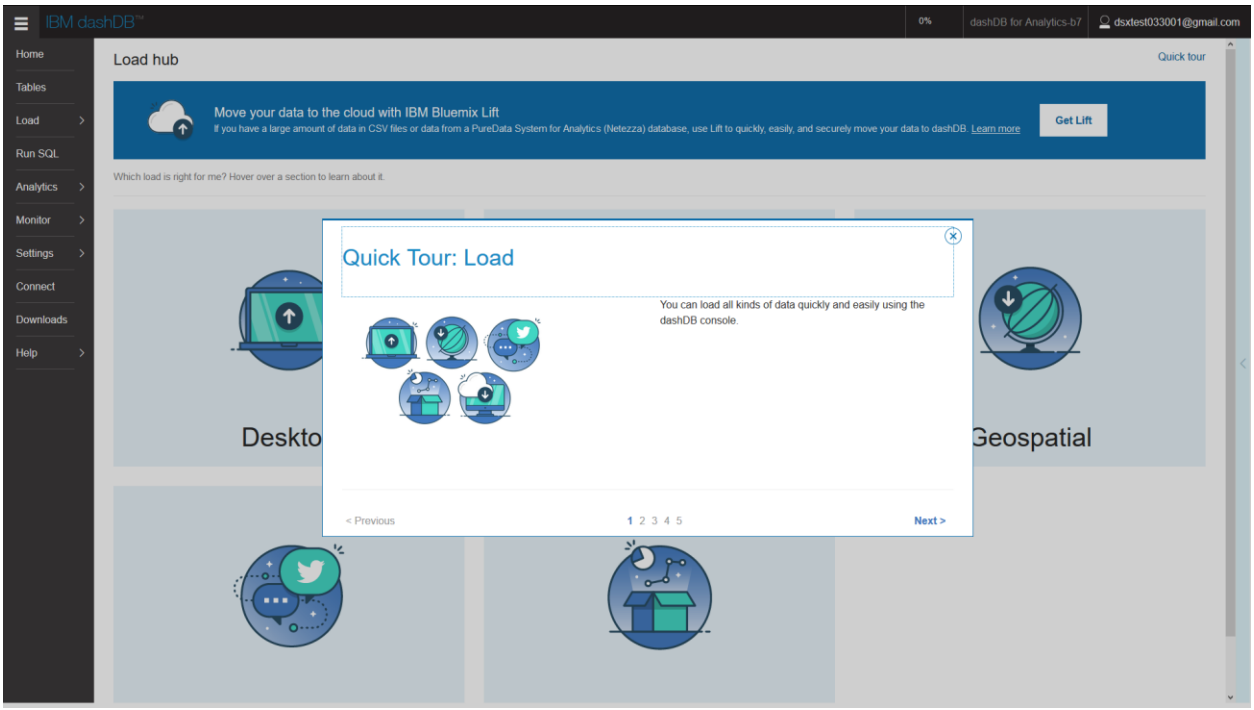
Select the **dashDB for Analytics** service – this brings you to the following



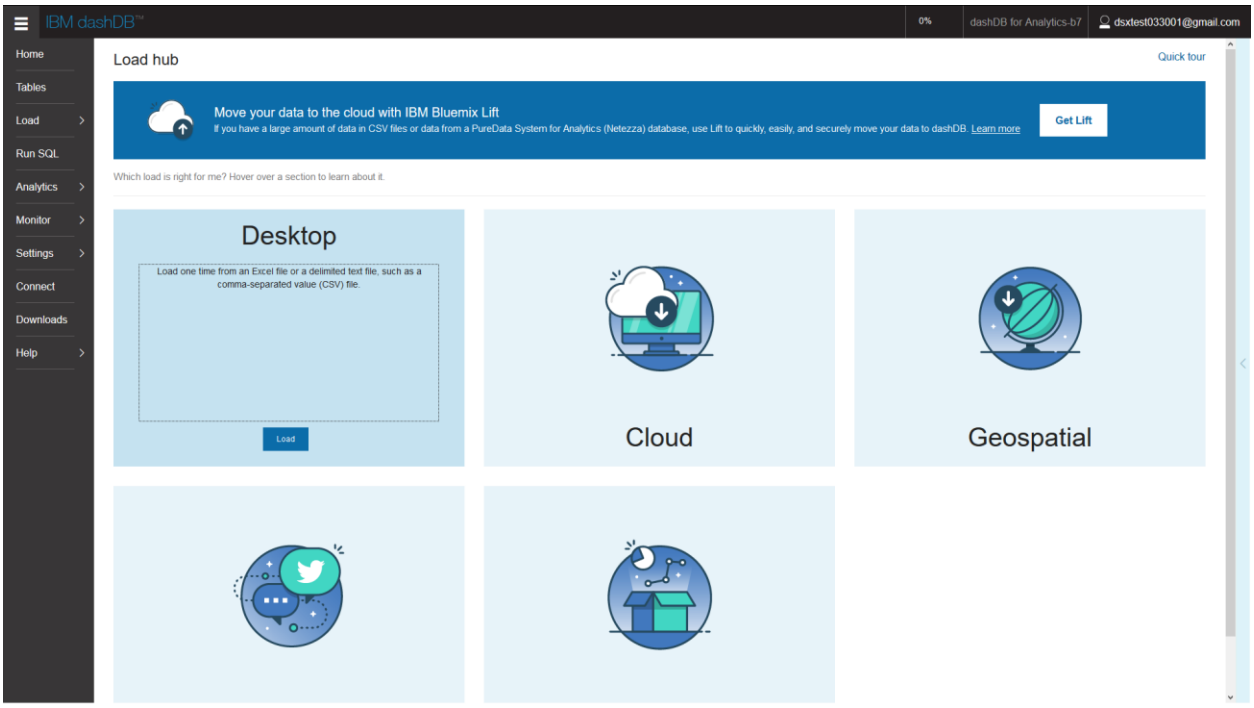
OPEN dashDB



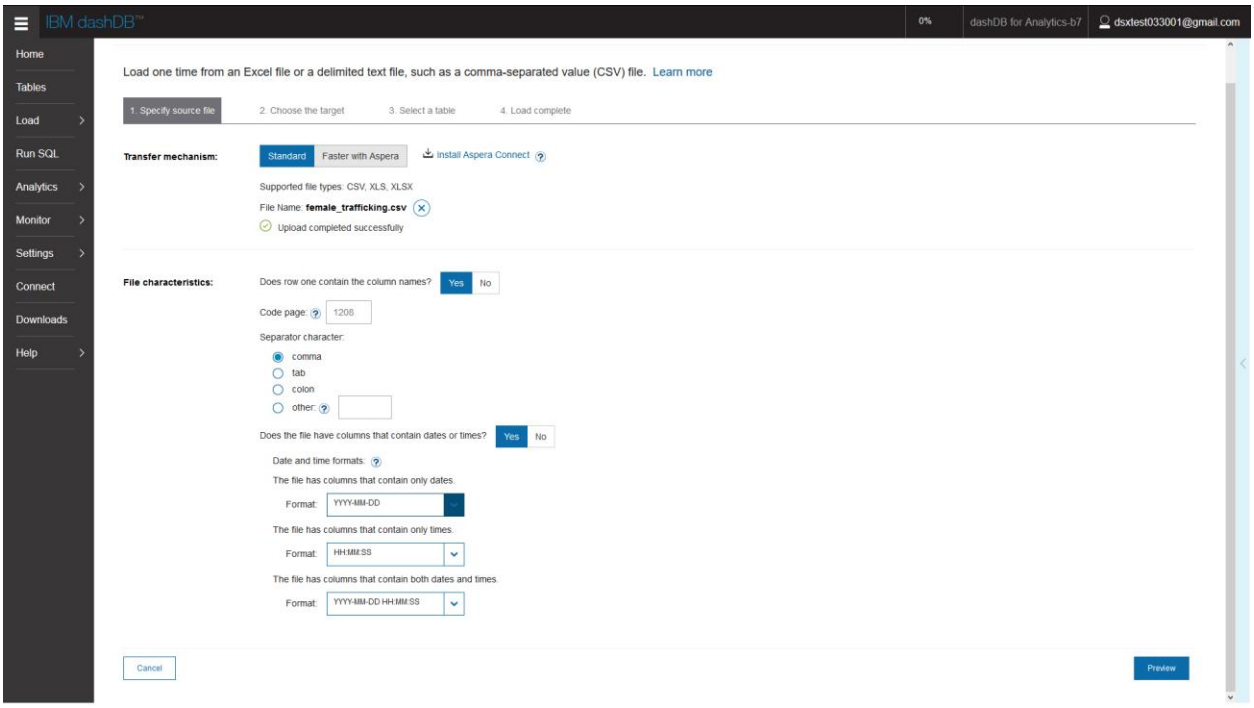
Close the Quick Tour and select **Load Data**



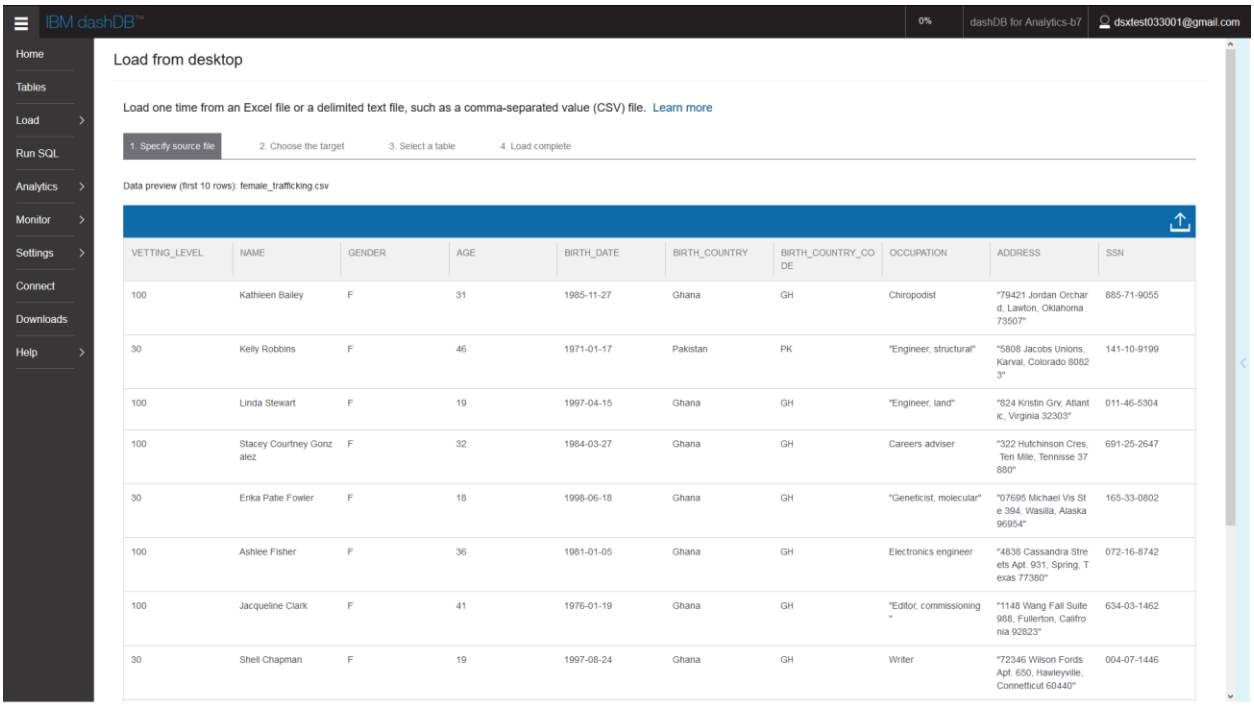
Hover over the various sections to understand your options and then go to **Desktop** and select the **Load** button



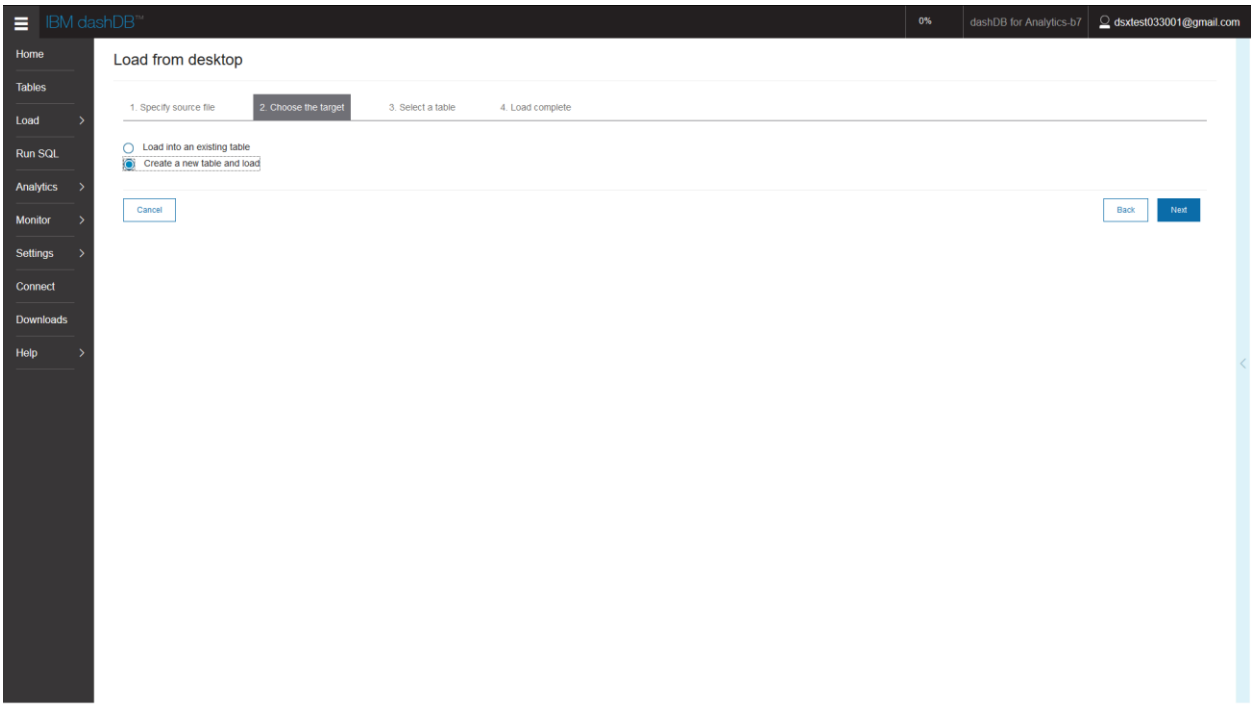
Select the female_trafficking.csv file which you should have downloaded previously. It does contain dates (Date of Birth) so we will select the proper format (YYYY-MM-DD). Select the **Preview** button.



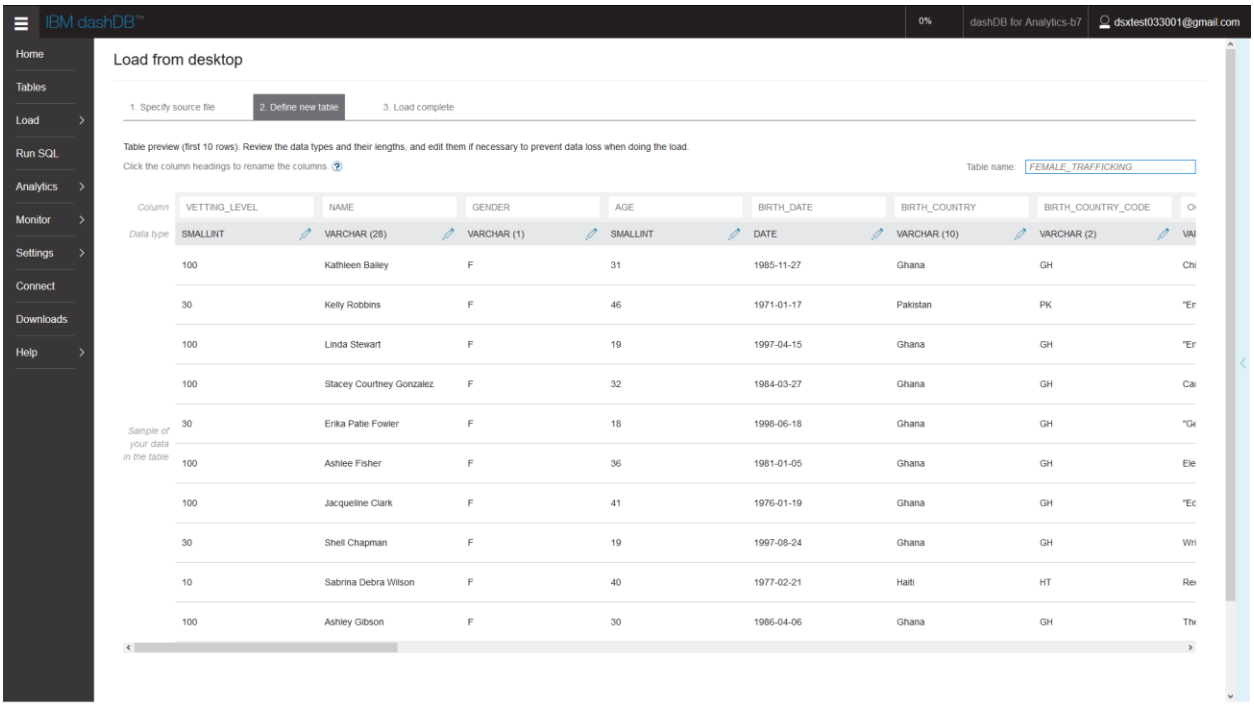
Verify that the data appears correct and then scroll to the bottom and select **Next**



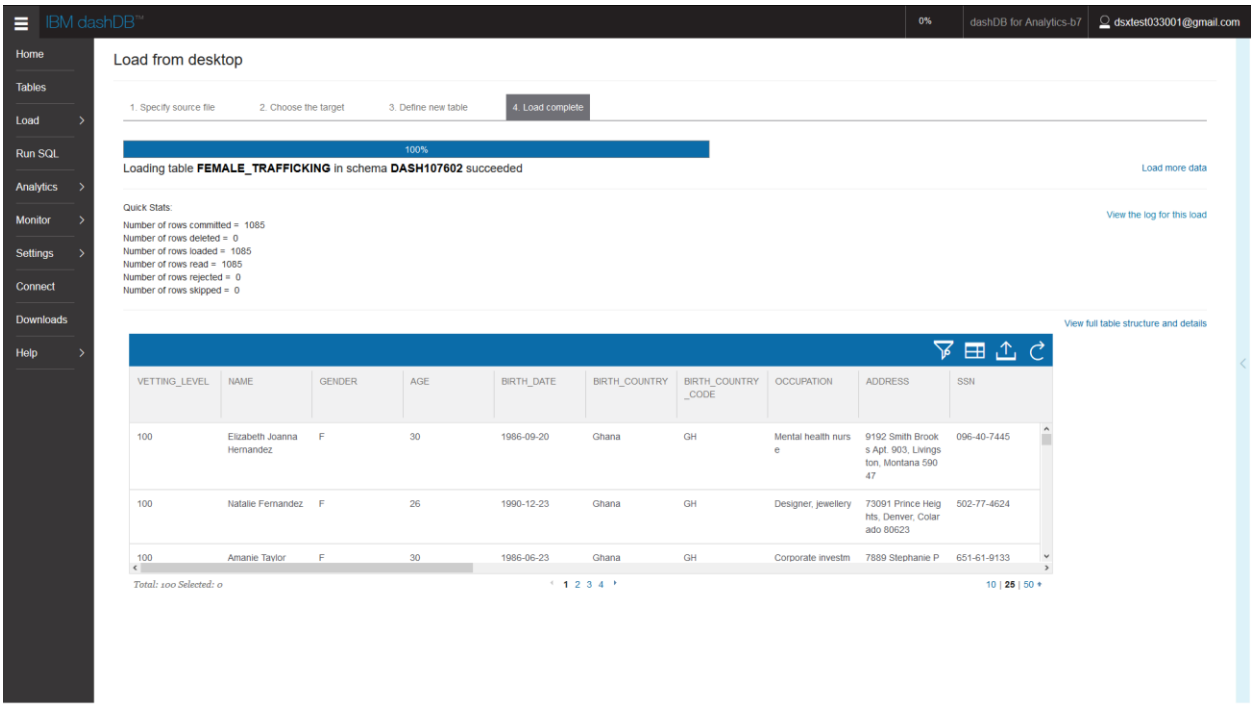
Choose to **Create a new table and load**. Select **Next**



You can change any of the column names, types or the table name if you wish. Scroll to the bottom and select the **Finish** button.



The table is now loaded.



Adding dashDB as a DSX Data Source

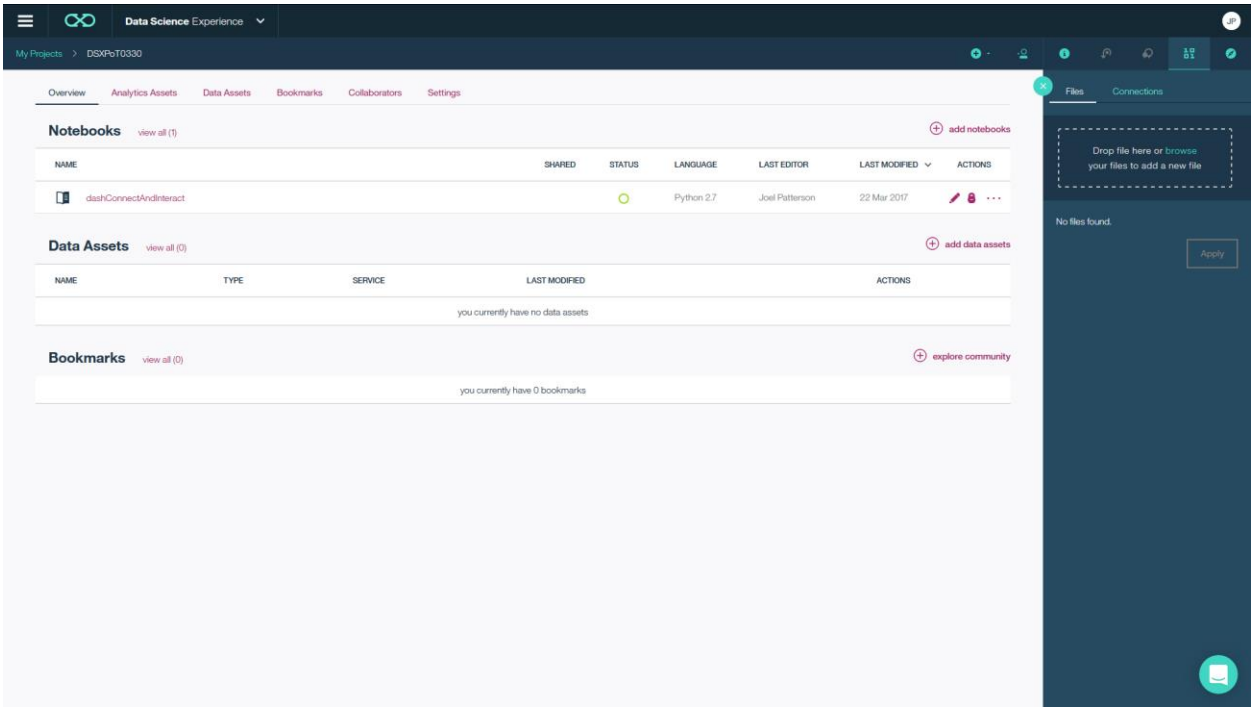
You should continue with this section once you reach the point to add the data source credentials. Let's make the dashDB instance visible in DSX. We're going to have to add it as a Data Source. In the lab you have reached the following section.

Insert the database connection credentials

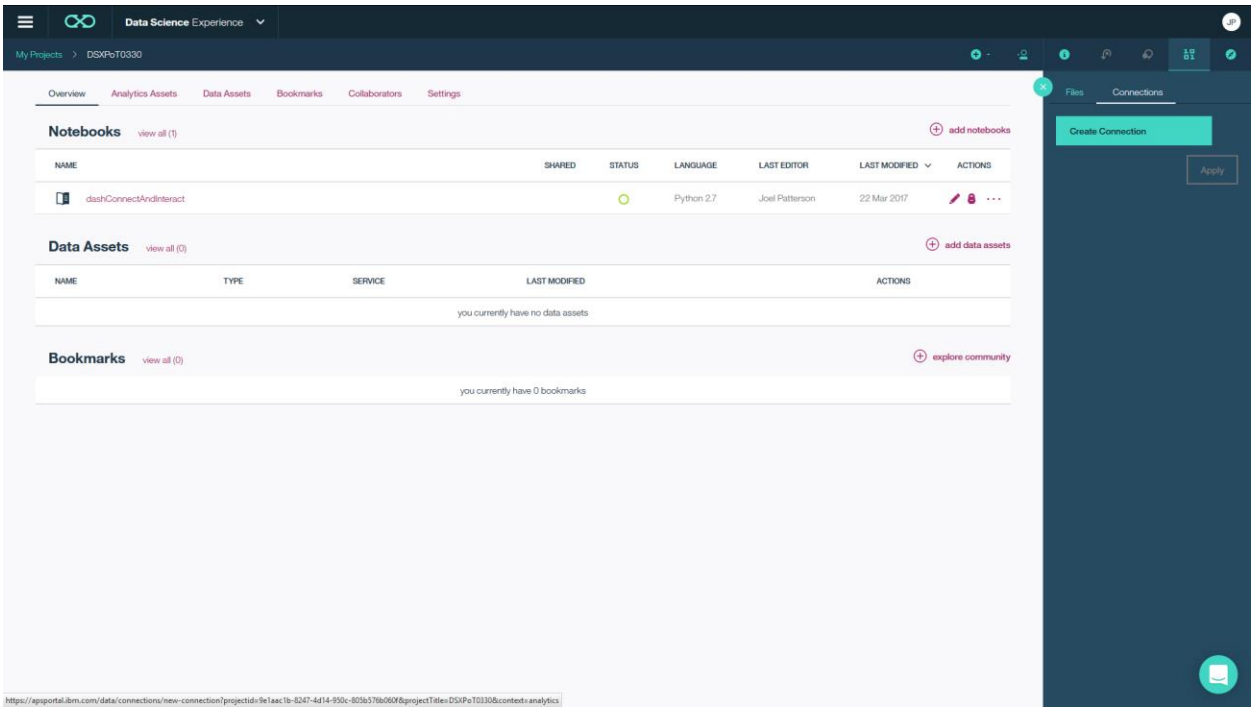
Click on the cell below, then on the notebook toolbar, click the box of 1's and 0's which allows you to insert file or data connections. Select the **Connections** tab.

You should not have any connections defined.

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

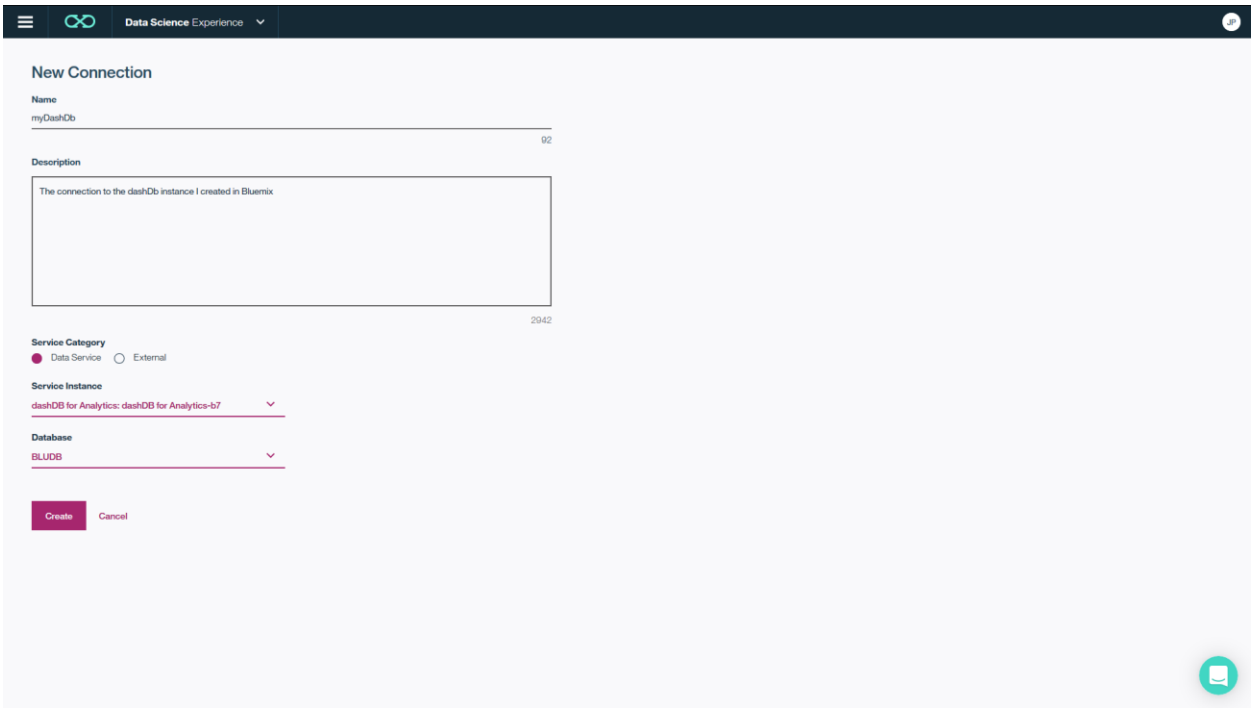


Select **Connections** and then **Create Connection**

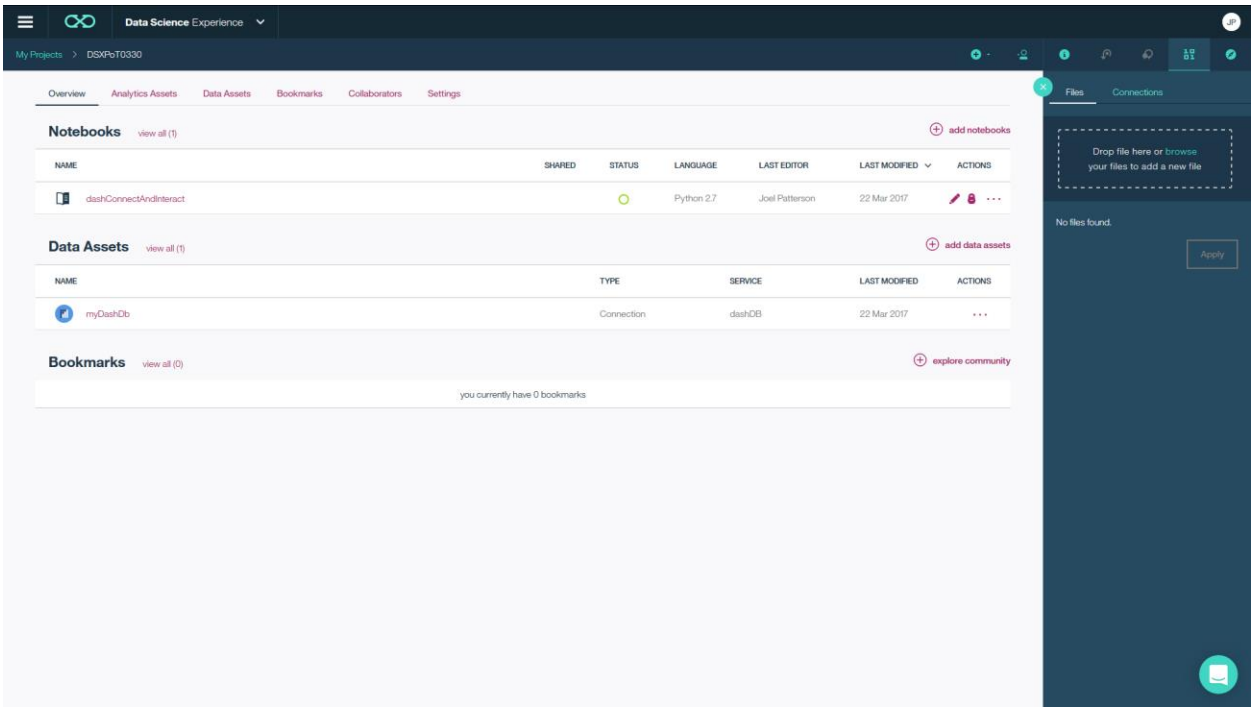


Pick a name for your dashDb connection (I used myDashDb), an optional description, and then select the **Service Instance** (name will vary) and **Database** (BLUDB).

Create.

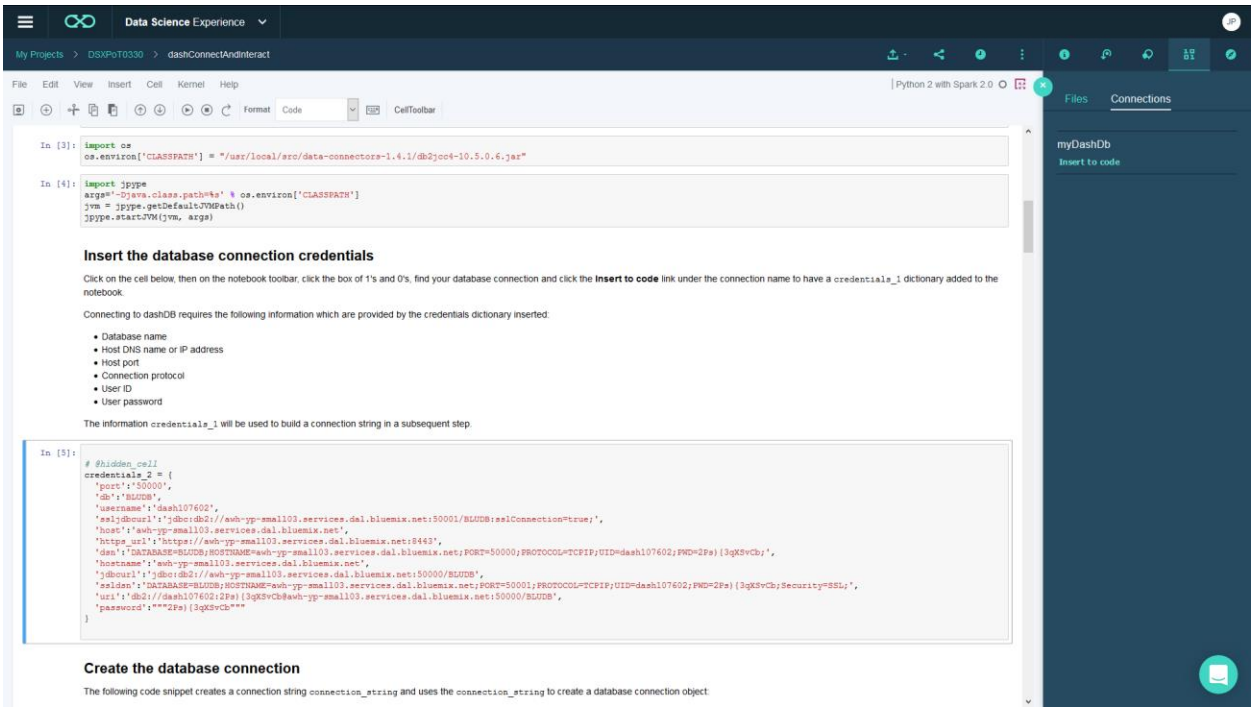


The connection will now show in your list of Data Assets.



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

Select the code block for database credentials and click the **Insert to code** link under the connection name to have a `credentials_1` dictionary added to the notebook. (Note: sometimes the dictionary may be named credentials_2, etc – if so, simply rename to credentials_1)



Connecting to dashDB requires the following information which are provided by the credentials dictionary inserted:

- Database name
- Host DNS name or IP address
- Host port
- Connection protocol
- User ID
- User password

The information `credentials_1` will be used to build a connection string in a subsequent step.