


Creating a dashDB instance in Bluemix



Selecting the dashDB 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 dashDB create screen.

The screenshot shows the IBM Bluemix Catalog page for 'dashDB for Analytics'. The page has a dark blue header with 'IBM Bluemix Catalog' on the left and 'Docs', 'Catalog', 'Log In', and 'Sign Up' on the right. Below the header, there's a 'View all' link and the title 'dashDB for Analytics'. The main content area is divided into several sections: a description of the service, a list of features, a section for images, and a pricing table. The pricing table has three columns: PLAN, FEATURES, and PRICING. The first plan listed is 'IBM dashDB for Analytics Entry' with a price of '\$50.00 USD/Monthly'. At the bottom of the page, there are links for 'Need Help? Contact Bluemix Sales' and 'Already have an account? Log In', along with a 'Sign up to Create' button.

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← View all
dashDB for Analytics

IBM dashDB for Analytics is a fully managed SQL cloud database service, optimized for data warehouse and analytics workloads. The easy-to-use web console provides everything you need to manage your database, including an SQL editor, import tools, and driver downloads. Note: If you are looking for a cloud database that is optimized for OLTP workloads, check out the related service: IBM dashDB for Transactions SQL Database.

EM

View Docs

AUTHOR IBM
PUBLISHED 03/17/2017
TYPE Service
LOCATION US South

Features

- **Powerful**
Combining the best of DB2 and Netezza technology with in-memory data processing, columnar tables, and in-database analytics.
- **Connect, leverage, extend**
Connect your favorite analytics tools; easily integrate with other Bluemix services, such as Watson; and extend your dashDB service by using the REST API.
- **Fully managed, safe, and secure**
Includes daily backups, at-rest database encryption, and SSL connections.

Images

Click an image to enlarge and view screen captures, slides, or videos. Screen caps show the user interface for the service after it has been provisioned.

Pricing Plans

Monthly prices shown are for country or region: [United States](#)

PLAN	FEATURES	PRICING
✓ IBM dashDB for Analytics Entry	Credit card or Bluemix subscription billing No charge for up to 1GB of data storage 20 GB maximum data storage One dedicated schema per service instance on a shared server	\$50.00 USD/Monthly

Recommended for up to 100 GB of data, based on typical compression. Estimated compression is based on historical average of observed data compression rates. Actual Client data compression rates and temp space requirements, and resulting data storage availability, are not guaranteed and may vary based on Client's specific usage and data characteristics.

Need Help?
Contact Bluemix Sales

Already have an account?
[Log In](#)

[Sign up to Create](#)

Select **Log In**

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

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View all dashDB for Analytics

IBM dashDB for Analytics is a fully managed SQL cloud database service, optimized for data warehouse and analytics workloads. The easy-to-use web console provides everything you need to manage your database, including an SQL editor, import tools, and driver downloads. Note: If you are looking for a cloud database that is optimized for OLTP workloads, check out the related service: IBM dashDB for Transactions SQL Database.

IBM

View Docs

AUTHOR IBM
PUBLISHED 03/17/2017
TYPE Service
LOCATION US South

Service name:
dashDB for Analytics-b7

Features

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PLAN	FEATURES	PRICING

Need Help? [Contact Bluemix Sales](#) Estimate Monthly Cost [Cost Calculator](#) [Create](#)

Provide a name for the dashDB service or take the default. **Create** the dashDB instance – you will be directed to the Dashboard and see something similar to

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Search Items

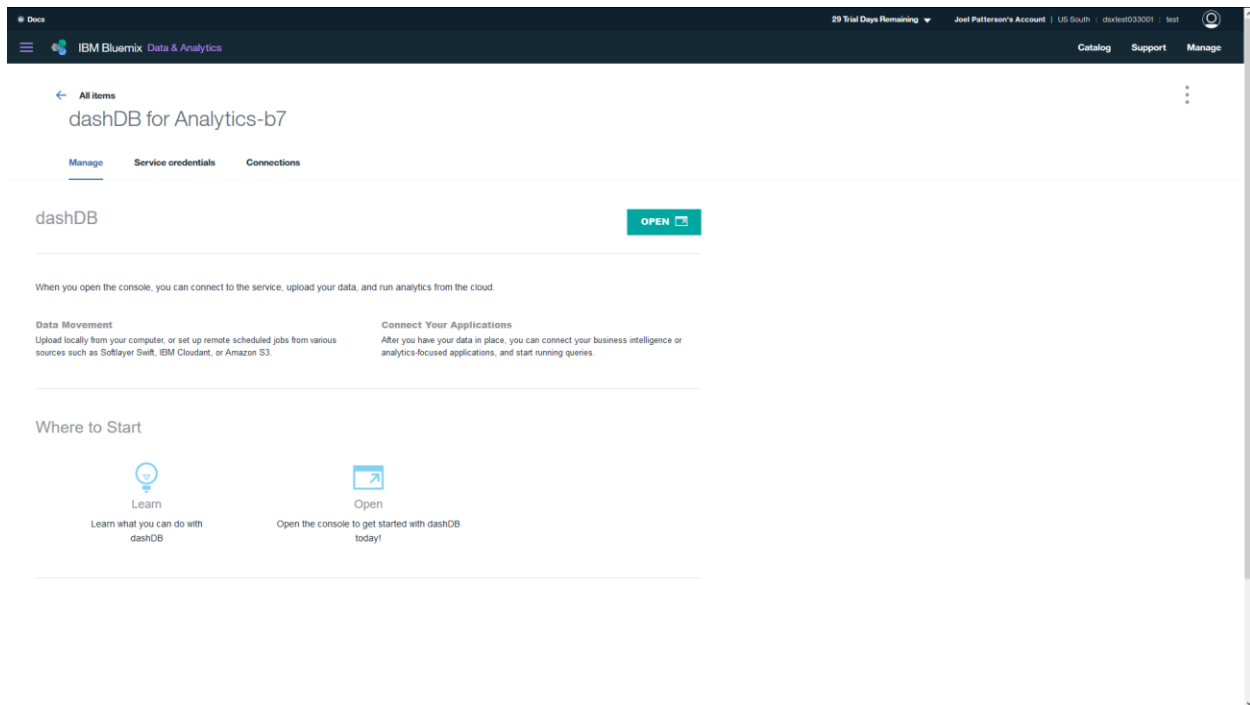
All Services (3) [Create Service](#)

Services 3/10 Used

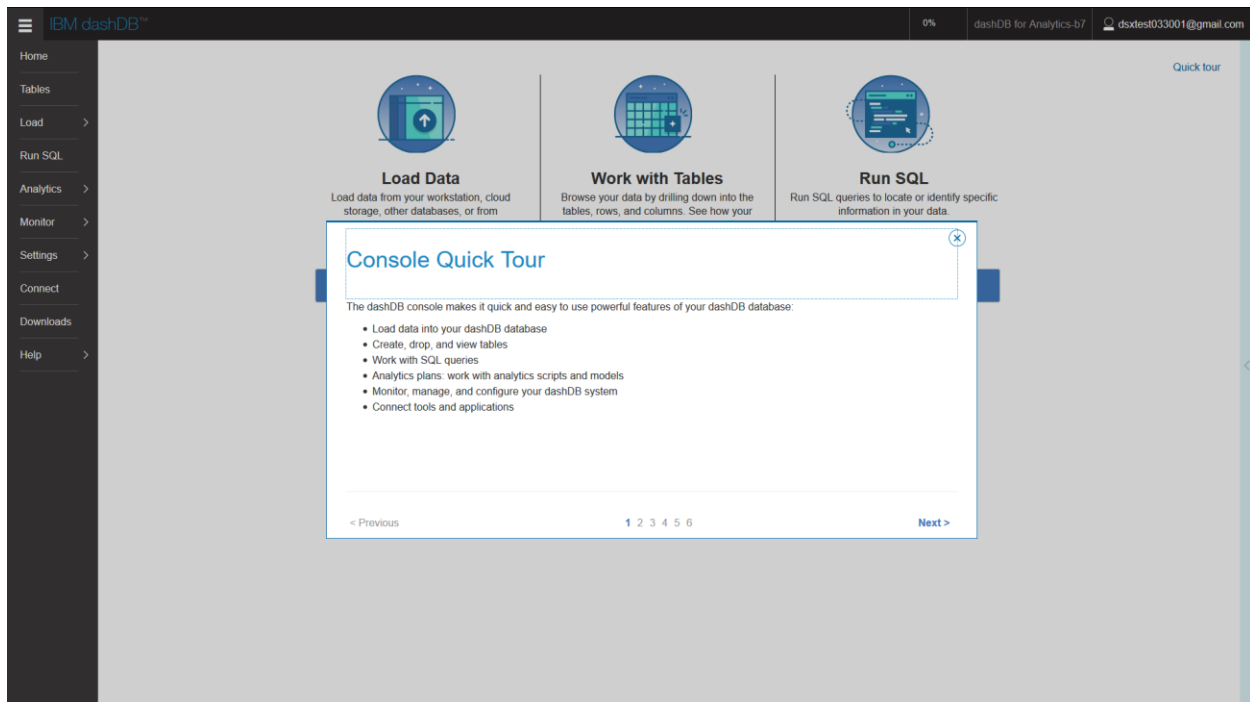
NAME	SERVICE OFFERING	PLAN	ACTIONS
dashDB for Analytics-b7	dashDB for Analytics	IBM dashDB for Analytics Entry	⋮
DSX-ObjectStorage	Object Storage	Free	⋮
DSX-Spark	Apache Spark	Personal-Free	⋮

You have no apps [Create App](#)

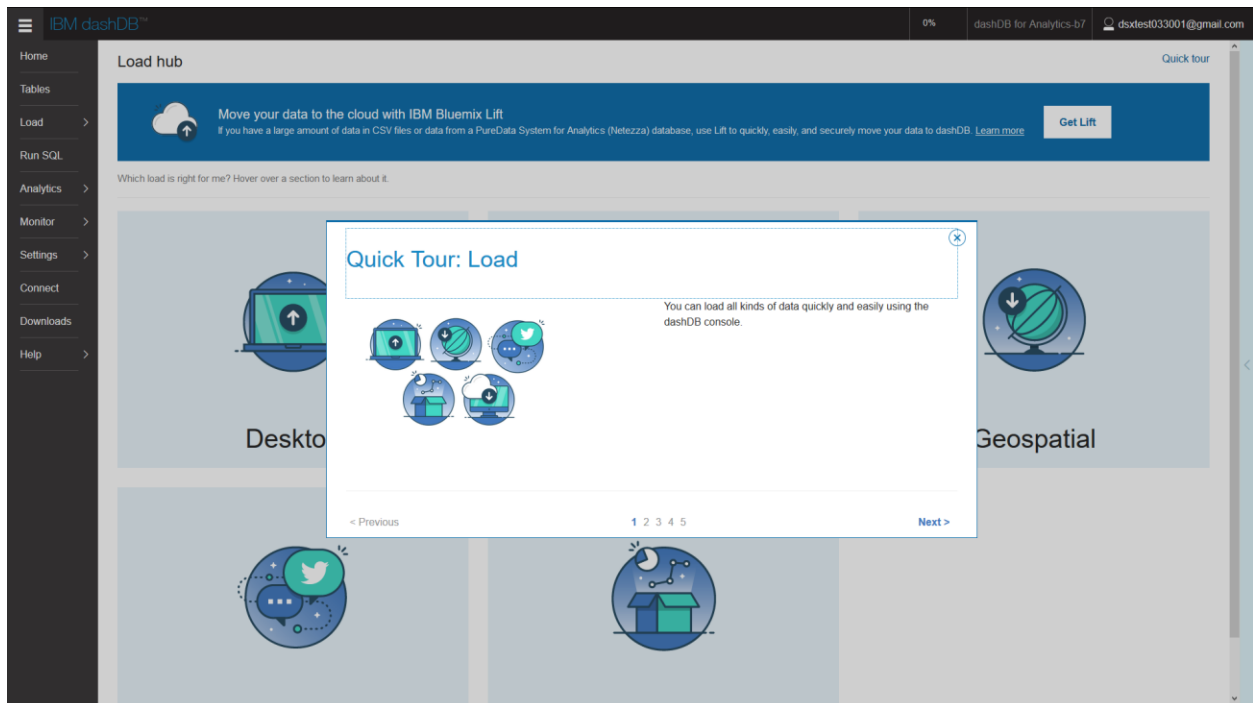
Select the **dashDB for Analytics** service – this brings you to the following



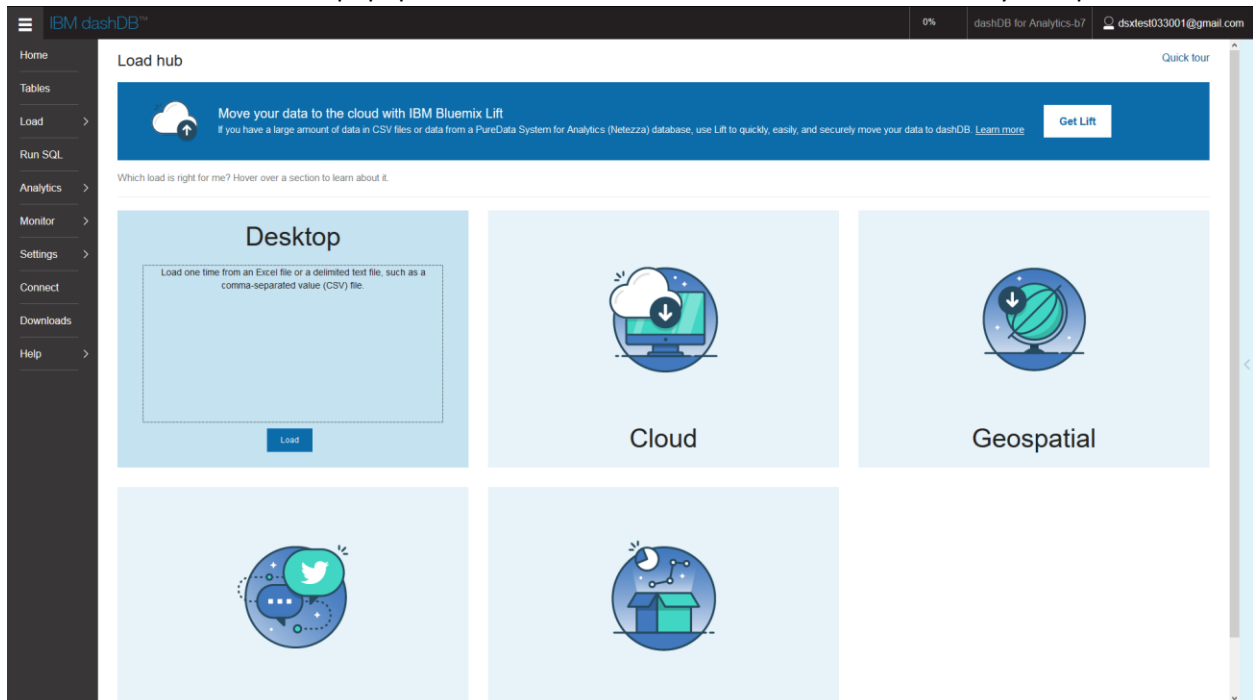
Select **OPEN** to open the dashDB console.



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



Close the **Quick Tour: Load** popup. Hover over the various sections to understand your options.



Go to **Desktop** and select the **Load** button

Select the **female_trafficking.csv** file which you should have downloaded previously.

IBM dashDB™ 0% dashDB for Analytics-b7 dsdest033001@gmail.com

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Load one time from an Excel file or a delimited text file, such as a comma-separated value (CSV) file. [Learn more](#)

1. Specify source file 2. Choose the target 3. Select a table 4. Load complete

Transfer mechanism: Standard Faster with Aspera [Install Aspera Connect](#)

Supported file types: CSV, XLS, XLSX
File Name: **female_trafficking.csv** ✕
Upload completed successfully

File characteristics:

Does row one contain the column names? Yes No

Code page: 1208

Separator character:
☒ comma
☐ tab
☐ colon
☐ other:

Does the file have columns that contain dates or times? Yes No

Date and time formats: [?](#)

The file has columns that contain only dates.
Format: YYYY-MM-DD

The file has columns that contain only times.
Format: HH:MM:SS

The file has columns that contain both dates and times.
Format: YYYY-MM-DD HH:MM:SS

Cancel Preview

Row one does contain the column names so set that to **Yes**.

It does contain dates (Date of Birth) so set that value to **Yes** as well.

Select the proper date format (YYYY-MM-DD). Select the **Preview** button.

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Load from desktop

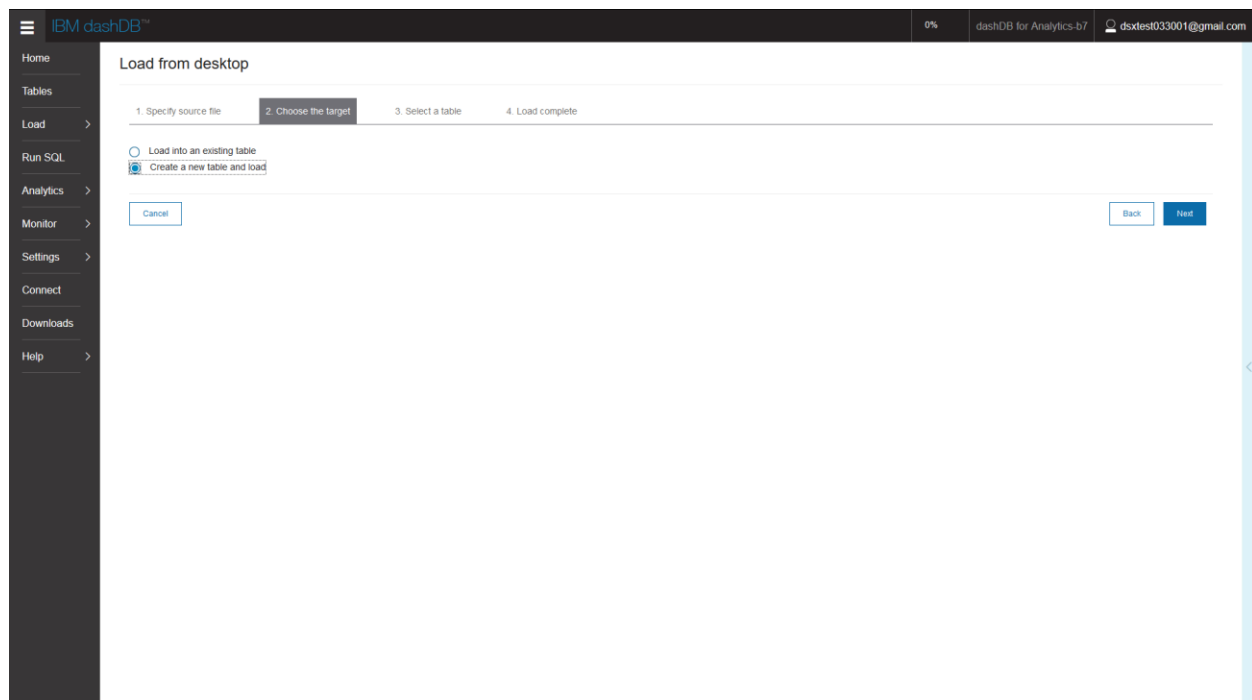
Load one time from an Excel file or a delimited text file, such as a comma-separated value (CSV) file. [Learn more](#)

1. Specify source file 2. Choose the target 3. Select a table 4. Load complete

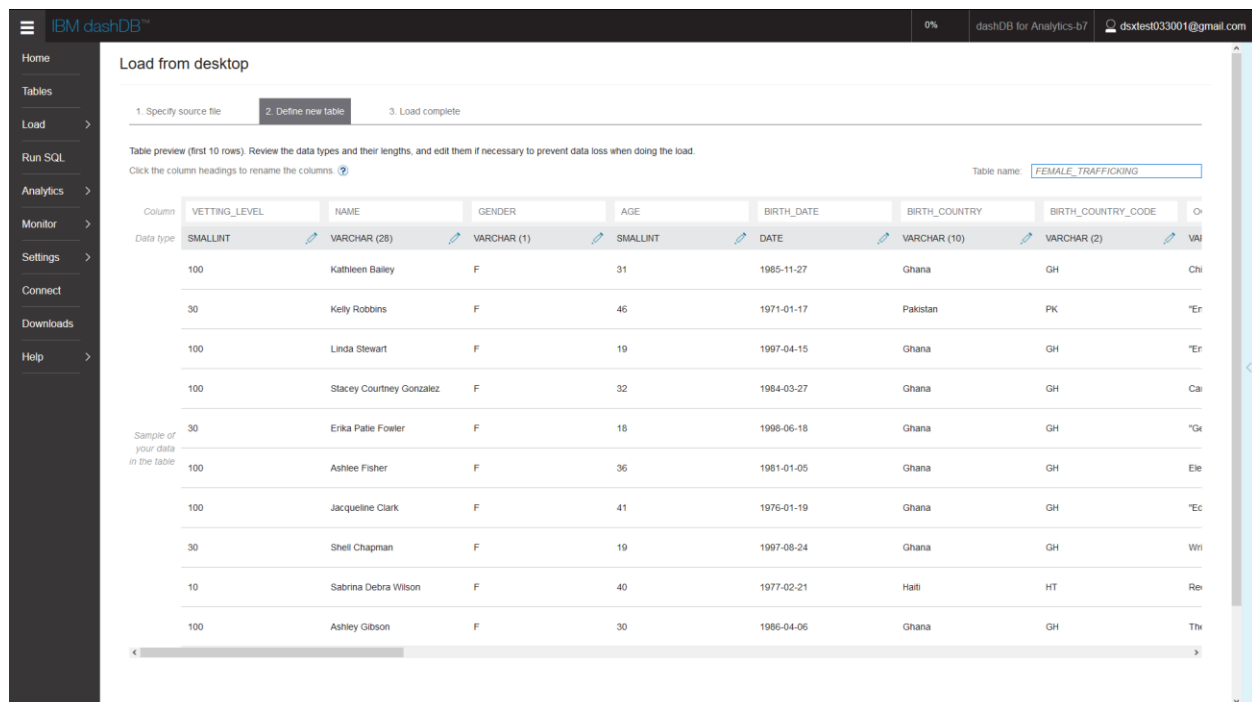
Data preview (first 10 rows): female_trafficking.csv

VETTING_LEVEL	NAME	GENDER	AGE	BIRTH_DATE	BIRTH_COUNTRY	BIRTH_COUNTRY_CODE	OCCUPATION	ADDRESS	SSN
100	Kathleen Bailey	F	31	1985-11-27	Ghana	GH	Chiroprapist	"79421 Jordan Orchard, Lawton, Oklahoma 73507"	885-71-9055
30	Kelly Robbins	F	46	1971-01-17	Pakistan	PK	"Engineer, structural"	"5808 Jacobs Unions, Karval, Colorado 80823"	141-10-9199
100	Linda Stewart	F	19	1997-04-15	Ghana	GH	"Engineer, land"	"624 Kristin Grv, Altant k, Virginia 32303"	011-46-5304
100	Stacey Courtney Gonzalez	F	32	1984-03-27	Ghana	GH	Careers adviser	"322 Hutchinson Cres, Ten Mile, Tennessee 37880"	691-25-2647
30	Erika Patie Fowler	F	18	1998-06-18	Ghana	GH	"Geneticist, molecular"	"07695 Michael Vis Ste 394, Vasilila, Alaska 96954"	165-33-0802
100	Ashlee Fisher	F	36	1981-01-05	Ghana	GH	Electronics engineer	"4836 Cassandra Streets Apt. 931, Spring, Texas 77380"	072-16-8742
100	Jacqueline Clark	F	41	1976-01-19	Ghana	GH	"Editor, commissioning"	"1148 Wang Fall Suite 988, Fullerton, California 92823"	634-03-1462
30	Shelli Chapman	F	19	1997-08-24	Ghana	GH	Writer	"72346 Wilson Fords Apt. 650, Hawleyville, Connecticut 06440"	004-07-1446

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.

IBM dashDB™

0%

dashDB for Analytics-b7

dsatest033001@gmail.com

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Load from desktop

1. Specify source file

2. Choose the target

3. Define new table

4. Load complete

100%

Loading table **FEMALE_TRAFFICKING** in schema **DASH107602** succeeded

[Load more data](#)

Quick Stats:

Number of rows committed = 1085

Number of rows deleted = 0

Number of rows loaded = 1085

Number of rows read = 1085

Number of rows rejected = 0

Number of rows skipped = 0

[View the log for this load](#)

[View full table structure and details](#)

VETTING_LEVEL	NAME	GENDER	AGE	BIRTH_DATE	BIRTH_COUNTRY	BIRTH_COUNTRY_CODE	OCCUPATION	ADDRESS	SSN
100	Elizabeth Joanna Hernandez	F	30	1986-09-20	Ghana	GH	Mental health nurse	9192 Smith Brooks Apt. 903, Livingston, Montana 59047	096-40-7445
100	Natalie Fernandez	F	26	1990-12-23	Ghana	GH	Designer, jewellery	73091 Prince Heights, Denver, Colorado 80523	502-77-4624
100	Amanie Taylor	F	30	1986-06-23	Ghana	GH	Corporate investment	7889 Stephanie P	651-61-9133

Total: 100 Selected: 0

1 2 3 4

10 | 25 | 50

Return to the notebook and continue with the instructions until you need to add dashDB as a source.

Adding dashDB as a DSX Data Source

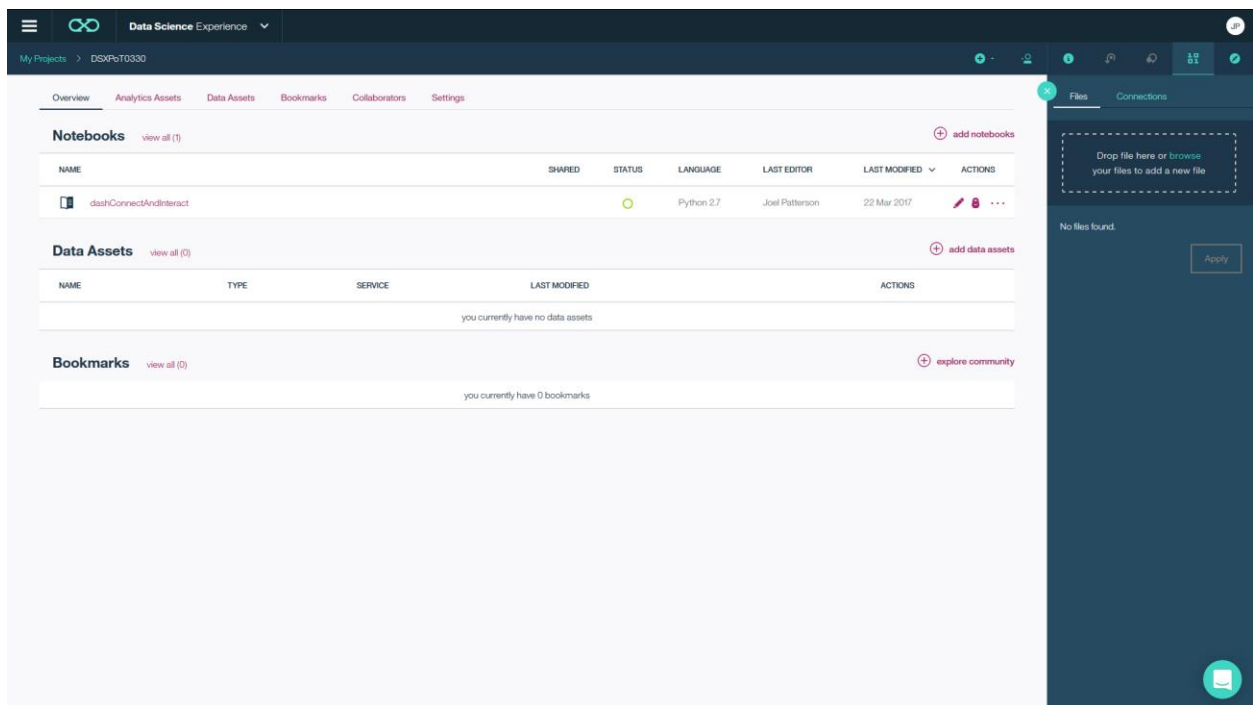
Insert the database connection credentials

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**.

https://apiportal.ibm.com/data/connections/new-connection/projectId=9e1a6c1b-8247-4d14-930c-80365786060f&projectTitle=DSXPoT0330&context=analytics

Select Create Connection

New Connection

Name
myDashDb

Description
The connection to the dashDb instance I created in Bluemix

Service Category
☒ Data Service ☐ External

Service Instance
dashDB for Analytics: dashDB for Analytics-b7

Database
BLUDB

Create Cancel

Pick a name for your dashDb 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 screenshot shows the Data Science Experience (DSX) dashboard. The 'Data Assets' section is active, displaying a table of data assets. The table has columns: NAME, SHARED, STATUS, LANGUAGE, LAST EDITOR, LAST MODIFIED, and ACTIONS. One asset is listed: 'myDashDb' with status 'Connection' and service 'dashDB'. The sidebar on the right shows the 'Connections' tab, which is currently empty, displaying 'No files found.' and an 'Apply' button. The main content area also shows 'Notebooks' and 'Bookmarks' sections.

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

The screenshot shows the Data Science Experience (DSX) notebook interface. The notebook is titled 'Access dashDB and explore the data with Python'. The interface includes a header with the DSX logo and 'Data Science Experience' text. Below the header, there's a navigation bar with tabs: Overview, Analytics Assets, Data Assets, Bookmarks, Collaborators, and Settings. The 'Data Assets' tab is active. The notebook content area shows the title 'Access dashDB and explore the data with Python' and a description: 'This notebook shows how to access a dashDB data warehouse or DB2 database when using Python. The examples use a dashDB warehouse, but the instructions apply to both dashDB and DB2.' The sidebar on the right shows the 'Connections' tab, which now lists the 'myDashDb' connection with an 'Insert to code' button.

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