



# Lab: Load data into the IBM Db2 database from a CSV file

## Lab Overview:

Now that you have learned about the process of importing data into a data repository from varied sources, you will load data from a CSV file into the IBM Db2 database instance you created in the previous lab.

**Estimated time needed:** 15 minutes

## Dataset used in this exercise:

The dataset used in this exercise comes from the following source: <https://www.kaggle.com/antfarol/car-sale-advertisements> under a [CC0: Public Domain license](#). We are using a modified subset of that dataset for this lab. To follow the lab instructions successfully, please use the dataset provided with this exercise rather than the dataset from the original source.

**NOTE:** The lab assumes that you have downloaded this CSV file: [exercise03\\_car\\_sales\\_data.csv](#) to your local system.

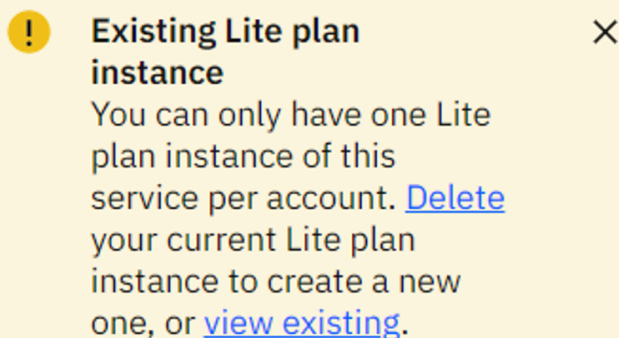
Please follow the steps given below to provision your instance of IBM Db2 on Cloud.

1. Go to: <https://cloud.ibm.com/catalog/services/db2> to access your Db2 dashboard on Cloud.
2. If you're not already logged in to your IBM Cloud Lite account, click on **Log in** at the bottom right of the screen to log in.

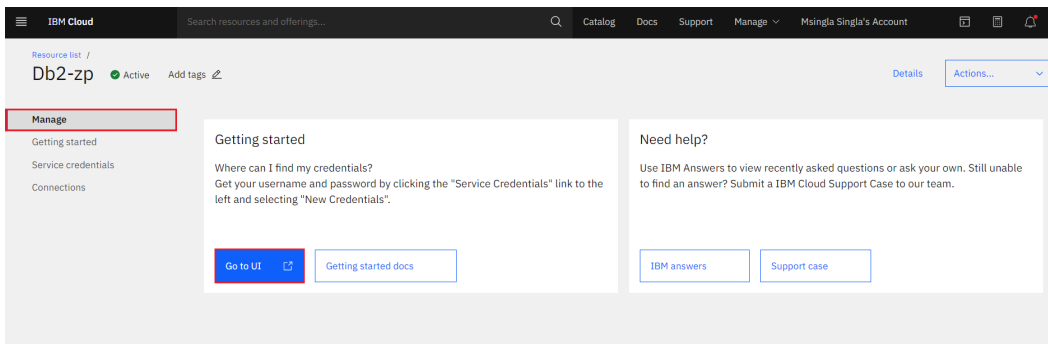
Already have an account? [Log in](#)

3. Logging in will take you to your **Db2 service dashboard**.

Click on **view existing** link in the **Existing Lite plan instance** box.

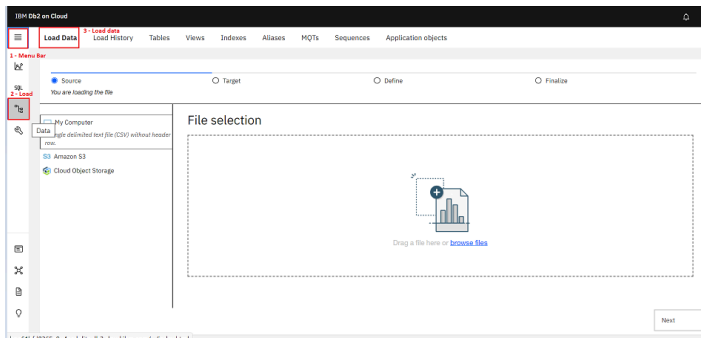


4. The **Manage** tab will be active by default in your services dashboard. Click on **Go to UI**.

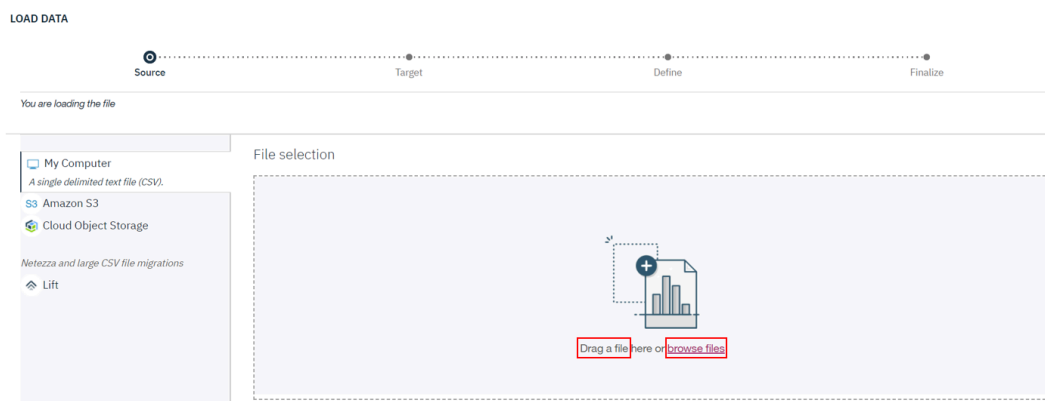


5. Now click on the menu bar icon in the top left corner of your Db2 service dashboard.

Click on **Load > Load Data**.



6. You can either drag and drop the CSV file into the **File selection** box, or you can click on the **browse files** link, also provided in the **File selection** box to browse your local folders to find and open the downloaded CSV file.



The name of the CSV file you have uploaded will appear in the **Selected file** section on the right.



Click **Next** to proceed.

7. You will be asked to select a **Schema** from a list of schema names.

**NOTE:** Select the schema name with a random mix of alphabets and numbers. It will be similar to, but not the same as, the one you see in the screenshot below (*MGJ73335*). The ones that you do NOT have to select are AUDIT, DB2INST1, ERRORSHEMA, and ST\_INFORMTN\_SCHEMA (and sometimes you might also see SQLxxxxx as well).

Select a load target

Schema

Find a schema

+

New Schema

AUDIT

DB2INST1

ERRORSCHEMA *Sample*

MGJ73335

ST\_INFORMTN\_SCHEMA *Sample*

8. Click on **New Table**.

Schema

Find a schema

+

New Schema

AUDIT

DB2INST1

ERRORSCHEMA *Sample*

MGJ73335

ST\_INFORMTN\_SCHEMA *Sample*

Table

Find a table in MGJ73335

+

New Table

9. Enter the name **CARSALESTABLE** in the input box prompting you with **NEW TABLE NAME**.

**Note:** You will be using this table name in the SQL queries you will execute in the next exercise.

Now click on **Create** to create the new table.

Schema

Find a schema

+

New Schema

AUDIT

DB2INST1

ERRORSCHEMA *Sample*

MGJ73335

ST\_INFORMTN\_SCHEMA *Sample*

Table

Find a table in MGJ73335

+

New Table

Create a new Table

NEW TABLE NAME

Create

10. A table by the name of **CARSALESTABLE** has been created.

Click **Next** at the bottom right of the page to proceed.

Schema

Find a schema

+

New Schema

AUDIT

DB2INST1

ERRORSCHEMA *Sample*

MGJ73335

ST\_INFORMTN\_SCHEMA *Sample*

Table

Find a table in MGJ73335

+

New Table

Table definition

CARSALESTABLE

No statistics available

Specify the table columns in the next step.

11. Click **Next** to proceed.

## LOAD DATA

Source Target Define Finalize

You are loading the file `exercise03_car_sales_data.csv` into `MGJ73335.CARSALESTABLE`

Code page (character encoding): 1208 (UTF-8) Separator: , Header in first row: ☒ Time & date format:

	TITLE1 VARCHAR	TITLE2 VARCHAR	TITLE3 VARCHAR		
1	3300	350	Diesel	1995	Discovery
2	3500	200	Petrol	2003	Freelander
3	3550	255	Diesel	2001	Discovery
4	3700	124	Petrol	2005	Freelander
5	3900	290	Diesel	1998	Range Rover
6	6600	298	Diesel	1997	Discovery
7	6900	167	Gas	2003	Freelander
8	7000	190	Diesel	2004	Discovery
9	7800	355	Diesel	2003	Range Rover
10	8900	295	Gas	2000	Range Rover

Back Next

12. Then click **Begin Load** to begin the process of loading the data from the CSV into your database.

## LOAD DATA

Source Target Define Finalize

You are loading the file `exercise03_car_sales_data.csv` into `MGJ73335.CARSALESTABLE`

Review settings

Summary		Option
Code page:	1208 (Default)	Maximum number of warnings
Separator:	, (Default)	1000
Header in first row:	Yes (Default)	
Time format:	HH:MM:SS (Default)	
Date format:	YYYY-MM-DD (Default)	
Timestamp format:	YYYY-MM-DD HH:MM:SS (Default)	
String delimiter:	(Default)	

Back Begin Load

13. Data from your CSV file is now loaded into your Db2 instance.

## LOAD DATA

Load details

COMPLETE	My computer exercise03_car_sales_data.csv	Target MGJ73335.CARSALESTABLE
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Status Settings Errors

29 Rows read

29 Rows loaded

0 Rows rejected

Start time  
12/15/2020 11:49:33 PM

End time  
12/15/2020 11:49:36 PM

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

No errors

Notifications

My Computer  
exercise03\_car\_sales\_data.csv

COMPLETE

Target  
MGJ73335.CARSALESTABLE

Clear All

**Congratulations! You have successfully loaded data from a CSV file into the IBM Db2 instance you created in the previous lab.**