



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.

! Existing Lite plan instance X

You can only have one Lite plan instance of this service per account. [Delete](#) your current Lite plan instance to create a new one, or [view existing](#).

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

The screenshot shows the IBM Cloud Db2 service dashboard. At the top, there's a navigation bar with links for Catalog, Docs, Support, Manage, and the user account (Msingla Singla's Account). Below the navigation bar, the service name 'Db2-zp' is displayed with status 'Active'. A 'Details' button and an 'Actions...' dropdown menu are also present. On the left, a sidebar titled 'Manage' has sections for Getting started, Service credentials, and Connections. The 'Getting started' section is highlighted with a red box. To its right, there's a 'Need help?' section with links for 'IBM answers' and 'Support case'.

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

Click on Load > Load Data.

The screenshot shows the 'Load Data' step in the Db2 service dashboard. The 'Source' tab is selected. The interface includes tabs for Source, Target, Define, and Finalize. A message 'You are loading the file' is displayed. Below it, a 'File selection' area contains a placeholder image of a bar chart and the text 'Drag a file here or browse files'. A 'Next' button is located at the bottom right.

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 screenshot shows the 'File selection' step in the Db2 service dashboard. On the left, a sidebar lists storage options: My Computer (selected), Amazon S3, and Cloud Object Storage. On the right, a 'File selection' area has a placeholder image of a bar chart and the text 'Drag a file here or browse files'. Below this, a 'Selected file' section shows the path 'exercise03_car_sales_data.csv'. A 'Next' button is at the bottom right.

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

The screenshot shows the 'File selection' step in the Db2 service dashboard. It features a 'File selection' area with a placeholder image and the text 'Drag a file here or browse files'. Below it, a note says 'High-speed loads powered by Aspera'. On the right, a 'Selected file' section shows the path 'exercise03_car_sales_data.csv'. A 'Next' button is at the bottom 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

The screenshot shows a list of schemas on the left. The 'MGJ73335' schema is selected and highlighted with a red box. The list includes: Schema, AUDIT, DB2INST1, ERRORSHEMA Sample, MGJ73335, and ST_INFORMTN_SCHEMA Sample.

8. Click on New Table.

The screenshot shows two panels. On the left, the 'Schema' panel lists: Schema, AUDIT, DB2INST1, ERRORSHEMA Sample, MGJ73335 (selected), and ST_INFORMTN_SCHEMA Sample. On the right, the 'Table' panel shows an empty list with a 'New Table' button highlighted with a red box.

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.

The screenshot shows the 'Create a new Table' interface. It has three sections: 'Schema' (list of schemas), 'Table' (list of tables in the selected schema), and 'Create a new Table' (input fields). The 'NEW TABLE NAME' field contains 'CARSALESTABLE' and the 'Create' button is highlighted with a red box.

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

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

The screenshot shows the 'Table definition' interface. It displays the 'CARSALESTABLE' table, which was just created. The table name is highlighted with a red box in the list.

11. Click **Next** to proceed.

LOAD DATA

You are loading the file **exercise03_car_sales_data.csv** into **MGJ7335.CARSALESTABLE**

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

Code page (character encoding): **1208 (UTF-8)** Separator: **,** Header in first row: **Yes** Time & date format: **HH:MM:SS**

Back **Next**

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

LOAD DATA

You are loading the file **exercise03_car_sales_data.csv** into **MGJ7335.CARSALESTABLE**

Review settings

Summary	Option
Code page: 1208 (Default)	Maximum number of warnings: 1000
Separator: , (Default)	
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	Target
	exercise03_car_sales_data.csv	MGJ7335.CARSALESTABLE

Status **Settings**

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.

Notifications

- My Computer**: exercise03_car_sales_data.csv (COMPLETE)
- Target**: MGJ7335.CARSALESTABLE

No errors

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