

A New Hint to Transportation-Analysis of the NYC Bike Share System

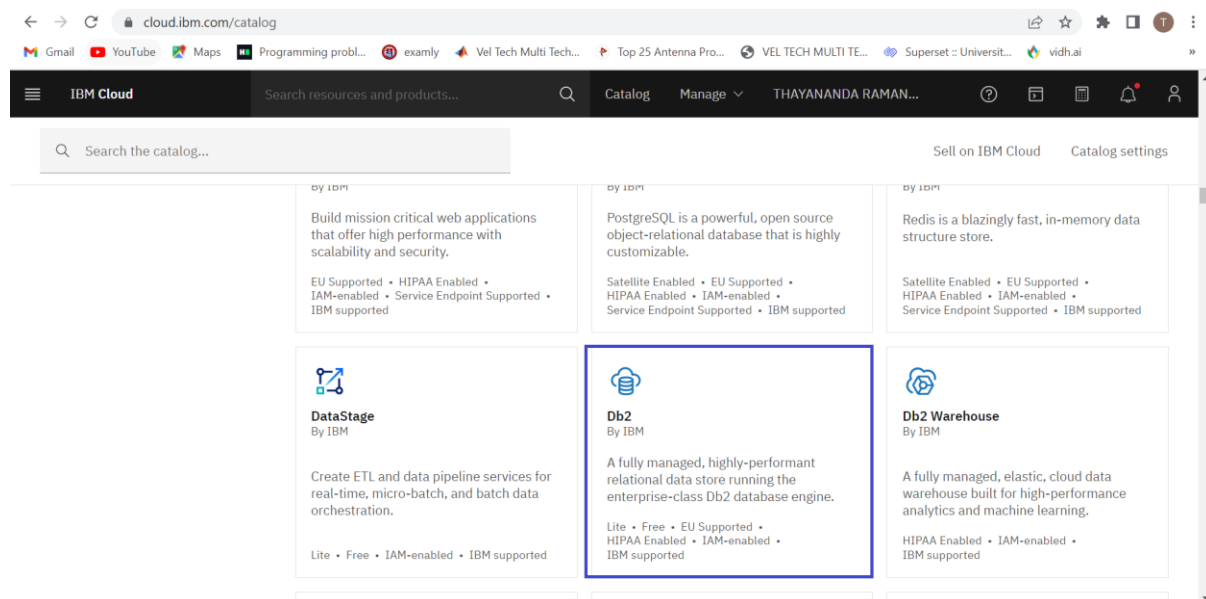
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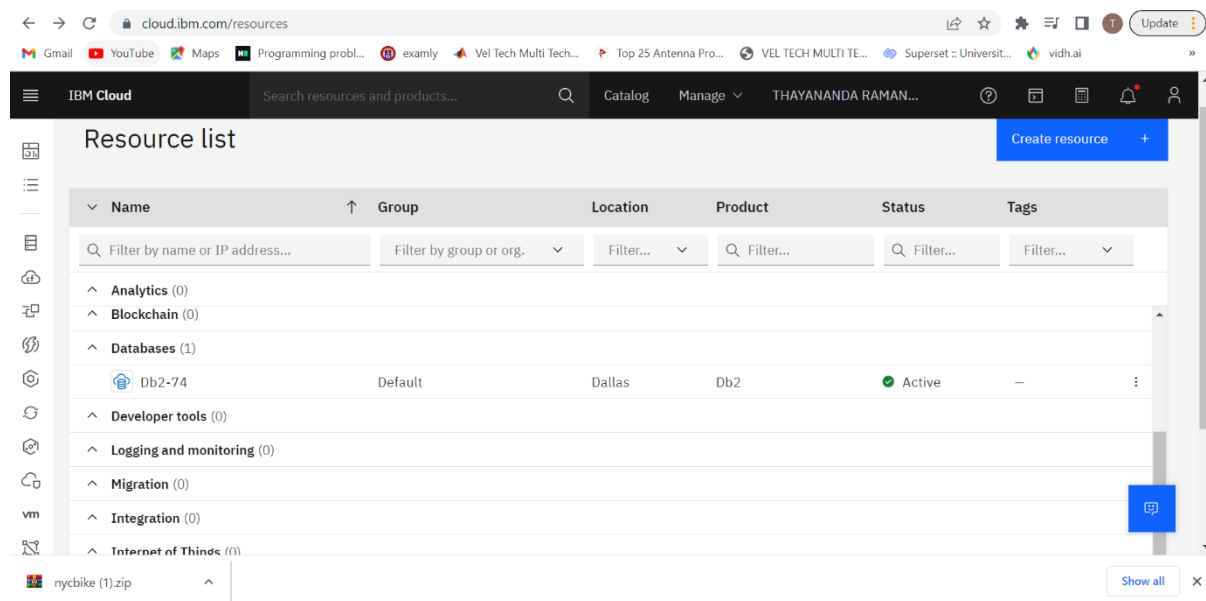
IBM Db2 service creation and Db2 connectivity with cognos

II. Load the dataset :

1.Create IBM cloud account and selecting IBM Db2.



2. Creation of database resource and ensure it is active.



3. Load the data in IBM Db2 on cloud and ensure there is no error after the dataset is loaded (warning errors around 1000 is permitted).

The screenshot shows the IBM Db2 on Cloud console interface. The main panel displays the status of a data load job. A large blue donut chart indicates the progress. Below the chart, the following statistics are shown:

Rows read	Rows loaded	Rows rejected
577,703	577,703	0

Below the statistics, the start and end times of the job are listed:

Start time: 11/08/2022 7:59:46 PM
End time: 11/08/2022 8:00:07 PM

The central message states: "The data load job succeeded. You can now work with your data."

On the right, a notification panel shows a message: "Load completed with minor error. Load 201306-citibike-tripdata.csv from My Computer to FVZ90779.NYCBike. 2022/11/08, 08:00 PM. View details". Below the notification, it says "No errors. But, there are 420 warnings."

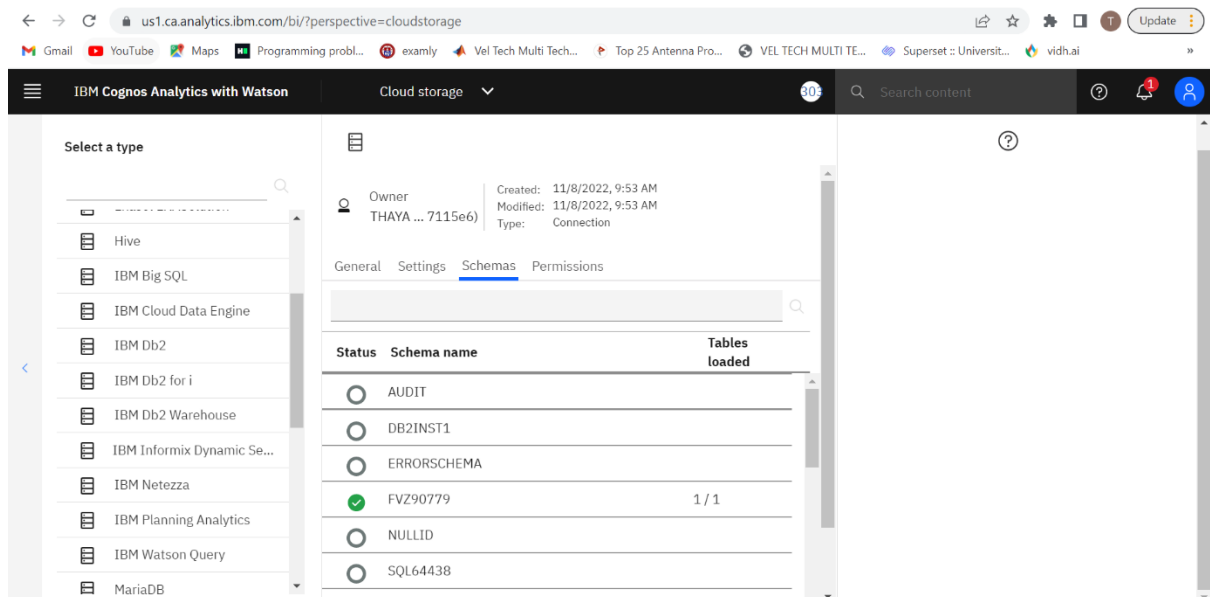
4. Connecting IBM Db2 with IBM Cognos analytics using the username and password created in database on cloud.

The screenshot shows the IBM Cognos Analytics console interface. The main panel displays the configuration for connecting to IBM Db2 on Cloud. The "Edit IBM Db2 connection" dialog is open, showing the following fields:

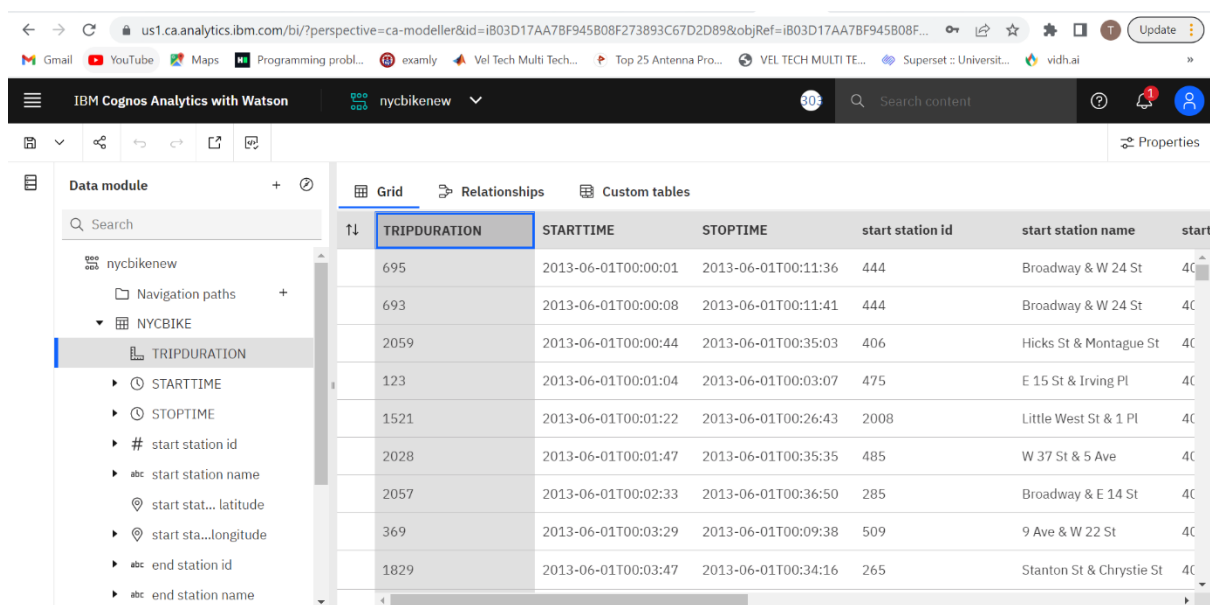
- JDBC URL: jdbc:db2://b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnk39u98g.databases.apdomain.cloud:31249/bludb:user=fvz90779;password=J0owdGoxjApKmul6;sslConnection=true;
- Driver class name: com.ibm.db2.jcc.DB2Driver
- Example URL: (empty)
- Connection properties: (empty)

The "Authentication method" section on the left shows the "Connect anonymously" option selected. Below the "Test" button, a green checkmark indicates "Success".

5. click manage in menu then click data server connection and load the schema.



6. After loading of schema, open the loaded data in data module to perform visualization charts.



7. ensure there is no null values, if present perform calculations accordingly.

This is how data preparation is done.