BIG DATA ANALYSIS USING IBM CLOUD

PHASE 3: DEVELOPMENT PHASE 1

1. Create an IBM Cloud Account:

If you haven't already, sign up for an IBM Cloud account at IBM Cloud.

2. Choose the Appropriate Database Service:

IBM Cloud offers various database services, including Db2, MongoDB, and others. Choose the one that best fits your project requirements. For this example, let's assume you choose Db2.

3. Set Up a Database Instance:

Log in to your IBM Cloud account.

Navigate to the IBM Cloud Databases service.

Create a new Db2 instance by providing necessary details like instance name, region, and plan (e.g., Lite, Standard, Enterprise). Follow the prompts to set up your instance.

4. Connect to the Database:

Once your database instance is set up, obtain the connection details, including hostname, port, database name, username, and password.

5. Develop Queries or Scripts:

Use your preferred programming language or database management tool to connect to the Db2 instance.

Write SQL queries or scripts to explore and analyze your dataset.

-- Select all records from a table

SELECT * FROM your_table;

-- Perform basic aggregation

SELECT column_name, COUNT(*) FROM your_table GROUP BY column_name;

-- Perform data filtering

SELECT * FROM your table WHERE column name = 'value';

-- Update records

UPDATE your_table SET column_name = 'new_value' WHERE
condition;

-- Insert new records

INSERT INTO your_table (column1, column2) VALUES ('value1',
'value2');

6. Perform Basic Data Cleaning and Transformation:

Clean the data by handling missing values, removing duplicates, and correcting inconsistencies.

Transform the data as needed, such as converting data types, aggregating information, or creating new features.

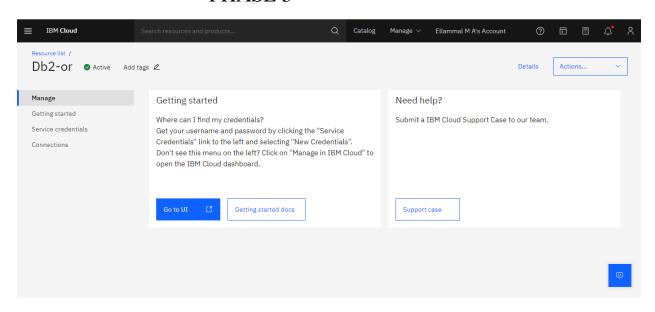
7. Execute and Monitor:

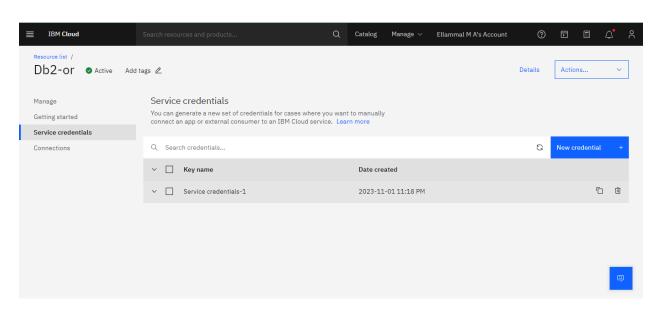
Execute your queries or scripts to perform the desired data analysis.

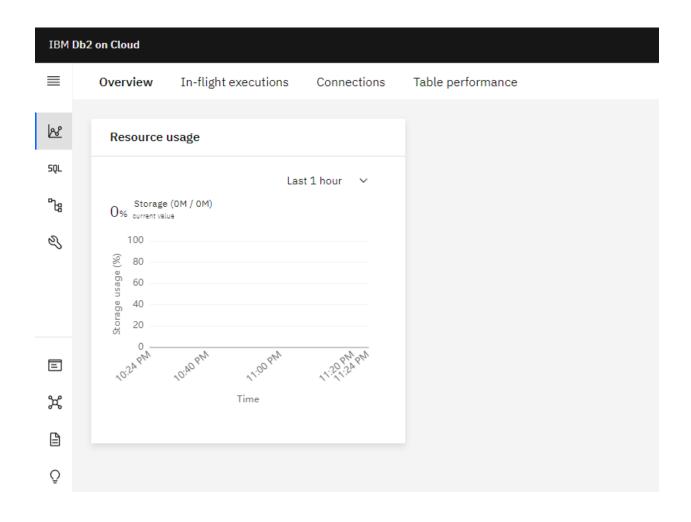
Monitor the execution and analyze the results.

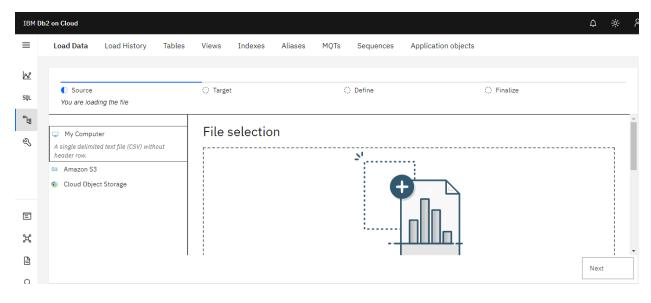
Iterate on your queries and transformations as necessary to derive meaningful insights from the data.

PHASE 3









File selection

Selected file

customer_summary.csv 🗷

