Project 7: Data Warehousing with IBM Cloud Db2 Warehouse

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Project Title: Data Warehousing

Problem Statement: Design and set up a robust data warehouse using IBM Cloud Db2 Warehouse. Bring together data from various sources to unlock valuable business insights. Perform advanced data integration and transformation effortlessly. Empower data architects to explore, analyze, and deliver actionable data for informed decision-making!

Project Steps

Phase 1: Problem Definition and Design Thinking

Problem Definition: TThe project involves designing and setting up a robust data warehouse using IBM Cloud Db2 Warehouse. The objective is to bring together data from various sources, perform advanced data integration and transformation, and provide data architects with the tools to explore, analyze, and deliver actionable data for informed decision-making. This project encompasses defining the data warehouse structure, integrating data sources, performing ETL (Extract, Transform, Load) processes, and enabling data analysis.

Design Thinking:

1. Data Warehouse Structure: Define the schema and structure of the data warehouse to accommodate various data sources.

2. Data Integration: Identify data sources and design a strategy to integrate data seamlessly into the data warehouse.

3. ETL Processes: Plan and implement ETL processes to extract, transform, and load data into the warehouse.

4. Data Exploration: Design queries and analysis techniques to empower data architects to explore and analyze data.

5. Actionable Insights: Focus on delivering actionable insights by enabling informed decision-making based on data.