



6) Data Warehouse Implementation: After the ETL process has successfully run, the data is ingested into Azure SQL Data Warehouse as the Data Warehouse for the Soccer data. Azure SQL Data Warehouse uses massively parallel processing (MPP) cloud-based architecture as a solution for large-scale data. It provides the flexibility to scale and accommodate changing workloads, and its serverless architecture eliminates the need for infrastructure management. Azure SQL Data Warehouse built-in machine learning features and query optimization capabilities streamline processing. The data is ingested into Azure SQL Data Warehouse developed data warehouse model, including an optimized schema and a group table as a dimension.

Below is a picture to show how the data looks in the Data Warehouse after insertion.

3 7) ETL Process (Extraction, Transformation, and Loading) for analyzing the soccer dataset in the OLTP and data warehouse. Data transformations to prepare the data for loading into the Data Warehouse (Data Warehouse) using Azure Data Factory, data aggregation were needed. We combined the league table into a dimension table called DimLeague. After the data transformation was decided, ETL was performed based on the requirements to populate the dimensions and fact tables.

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Soccer Analysis Plagiarism Check

6) Data Warehouse Implementation: After the ETL pipelines have successfully run, the data is ingested into Azure SQL Pool which is used as the Data Warehouse for the Soccer data. Azure SQL Pool is a massively parallel processing (MPP) cloud-based data warehousing solution for large-scale data. It provides the flexibility of scale to accommodate changing workloads, and its serverless nature eliminates the need for infrastructure management. Azure SQL Pool also includes built-in machine learning features and query optimization for faster data processing. The data is ingested into Azure SQL Pool according to the developed data warehouse model, including an event table as a fact and a group table as a dimension.

Below is a picture to show how the data looks in Cosmos DB after insertion.

3 7) ETL Process (Extraction, Transformation, and Loading): After analyzing the soccer dataset in the OLTP and defining the necessary transformations to prepare the data for loading into the Azure SQL Pool (Data Warehouse) using Azure Data Factory, data enrichment, and data aggregation were needed. We combined the league and Country OLTP table into a dimension table called DimLeague. Once the data transformation was decided, ETL was performed based on the business requirements to populate the dimensions and facts.

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