

Enterprise DWH Modernization on Azure

Design and implementation of the new cloud-native Enterprise DWH by leveraging on Microsoft Azure

Context

Our client is an asset management company based in Milan that manages a total assets of more than 30 billion euros and would like to modernize the way it takes decisions from data.

Objective

Build the new Enterprise DWH completely in cloud to obtain a scalable solution that can follow the future growth of the company's data needs

Activities

- Design (HLD and LLD), configure and implement the new Enterprise DWH architecture by leveraging on the most cutting-edge and innovative services of Microsoft Azure (i.e. Synapse Analytics, Data Lake Storage, Data Factory, Databricks, etc.)
- Design the logical and physical data model (both primary and secondary layer) able to provide an integrated view of the data produced and consumed across the entire organization
- Implement the data ingestion and transformation pipelines to fill the data model, by leveraging on Azure Data Factory and Databricks
- Enable Data Scientists and Data Analysts to unlock insights from data through analytical dashboards, operational reports and advanced analytics



Industry



Financial Services

Benefits



Integrated data layer allowing a 360-degree view of customers / stakeholders



Highly automated solution leading to 50% reduction of time-to-market



Most cutting-edge and innovative services of Microsoft Azure



Fully secured and GDPR compliant solution

Technologies



Data Platform design and implementation

Design and implement Data Lake and DWH, develop report and dashboards

Context

Our client represents the largest travel agency in Italy, has been on the market for over 20 years with 320 travel agencies.

Objective

Design and implement the enterprise data platform on Azure and modernize all existence reporting.

Activities

- User requirements gathering, and reporting need analysis
- Assessment and analysis of data sources
- Describe the data platform solution through high-level and low-level design
- Implementation of the data platform based on Microsoft Azure
- Design and implement the DWH data model optimized for reporting
- Create and schedule the ingestion pipelines based on Azure Data Factory
- Define and implement data quality rules
- Design and implement the data visualization component, reports and dashboards.
- Drive the customer in data exploration and identify report optimization

Industry



Travel Agency

Benefits



Normalization and cleaning of staging areas and internal data sources



Centralized Data Platform to store all data of interest and constitute the single point of truth



Powerful reporting and data analysis platform

Technologies



DWH Migration on MS Azure

Design of the new cloud-native Enterprise DWH by leveraging on Microsoft Azure

Context

Our client is among the largest company in Italy specialized in prepaid corporate services

Objective

Accelerate the transformation process to become a Digital and Data Driven Company by modernizing its DWH to a cloud-native solution.

Activities

- Assessment and analysis of the current DWH, mapping current source and target systems, gathering functional and technical features, costs and pain points, and describing the current operating model
- Design of the cloud blueprint architecture showing the target logical components, public cloud services and their interrelationships, according to the customer vision
- Definition of a phased migration approach for the transition of the current DWH to the target architecture, defining the migration requirements with the customer, drafting an high level plan and cost estimation for the project, and identifying the expected activities from other teams

Industry



Prepaid Corporate Services

Benefits



30% overall cost reduction



Scalable, easy-to-maintain and highly automated solution



Most cutting-edge and innovative services of Microsoft Azure

Technologies

