

DWH Migration and Datalake evolution

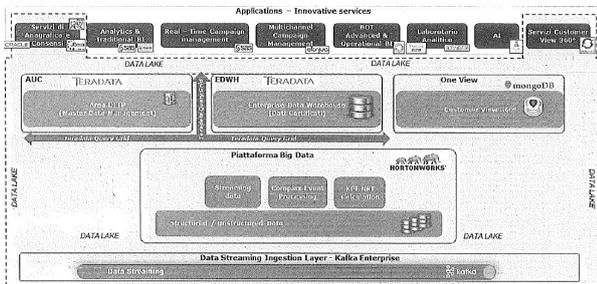
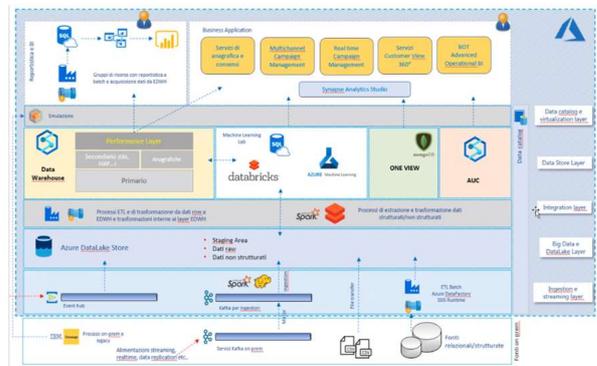
Resilience requires adaptable technology and rapid access to data. All companies have embarked on a digital transformation journey that fosters agility and data-driven decision making to respond faster to changing situations. At the center of this approach is a modular data and digital platform a unified architecture that combines application, technologies, and data to permit rapid, at scale implementation of business use cases.

Sopra Steria, for many of its clients, as system integrator, has the commitment to evolve all the components: Enterprise Data Warehouse and Big Data for Datalake platform that is an integration engine to aggregate, certificate, elaborate and transformation of data from operational data base.

Sopra Steria Italy, reinforces its position as system integrator having being involved in the major Data Management programs of last years.

Per importanti cliente abbiamo effettuato l'attività di migrazione del DWH on prem nel in cloud. A titolo esemplificativo riportiamo alcune informazioni relative ad una migrazione che abbiamo effettuato:

- 550 databases
- 33 K Tables
- 51 K views
- 95 TB
- 1300 Stored procedures
- 3900 Macros



Datalake is a modular platform constitutes by

- Enterprise Data Warehouse (EDWH)
- Big Data platform
- One view platform
- Single Customer Registry
- Applications and Innovative Services

The datalake, in the context of Italian post offices, starting from structured, semi-structured and unstructured data managed in an integrated manner between the EDWH infrastructure and Big Data, aims to meet all the data analysis needs, construction of KPIs and supply of advanced analytical services in order to return the available information to the entire ecosystem of the clients.

Actually the Datalake infrastructure, on premise, is based on Teradata 15, Aster and Cludera while Oneview infrastructure is based on Openshift and Kafka to cover streaming data features. SSG as system integrator is involved in AI laboratory building new services using Azure capabilities machine learning.

The evolution of platform of migrating from on premise solution to cloud one represents a goal and as SSG we are evaluation an infrastructure based on Datometry a platform of Teradata virtualization on MS Azure.

