

Health care Project Flow

This project demonstrates the complete end to end azure data engineering of healthcare management. This shows how data is ingested, how it is transformed using azure technologies.

Tools :

- Azure data factory for ETL
- Azure data bricks for pyspark for data transformation
- Azure data lake for storing raw data
- Power bi
- Azure synapse for data warehousing

Data ingestion:

We connect local sql to the azure in the first step, azure data factory, sql and adls.

DATA Transformation:

We are using the Bronze layer in this, which contains raw data.

- First we use to mount data from data bricks to lake storage
- Second changing bronze to silver by cleaning or maintaining a perfect data
- Third changing from silver to gold by aggregating and optimizing

DATA Loading:

After transforming the data sent to the synapse for further reporting by viewing in sql queries.

Data reporting:

We are connecting/reporting by using the power BI where directly connected to the synapse with a graphical representation.

Data Pipeline:

We can test the pipelines by adding new records.

