Data Warehousing Architecture

Sources

CRM

EMP

Objective Type - CSV Files

Interface - Files in Folders

Data Warehouse

Bronze Layer

Raw Data

Objective Type - Table

Load:

- Batch Processing
- Full Load
- Truncate & Load

No Transformations

No Data Modelling

Silver Layer

Cleaner Standardized Data

Objective Type - Table

Load:

- Batch Processing
- Full Load
- Truncate & Load

Transformations:

- Data Cleaning
- Data Standardization
- Data normalization
- Data enrichment
- Derived columns

No Data Modelling

Gold Layer

Business Ready Data

Objective Type - Table

No Load

Transformations:

- Business Logics
- Data Integrations
- Aggregations

Data Model:

- Star Schema
- Flat Table
- Aggregated Object

Consumers

BI & Reporting

Ad-hoc Queries

Machine Learning