



Silver Layer



Gold Layer

Definition

Raw, unprocessed data as-is from sources

Clean & standardized data

Business-Ready data

Objective

Traceability & Debugging

(Intermediate Layer)
Prepare Data for Analysis

Provide data to be consumed for reporting & Analytics

Object Type

Tables

Tables

Views

Load Method

Full Load (Truncate & Insert)

Full Load (Truncate & Insert)

None

Data Transformation

None (as-is)

- Data **Cleaning**

- Data Standardization
- Data Normalization
- Derived Columns
- Data Enrichment

- Data Integration
- Data **Aggregation**
- Business Logic & Rules

Data Modeling

None (as-is)

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- Start Schema

- Aggregated Objects
- Flat Tables

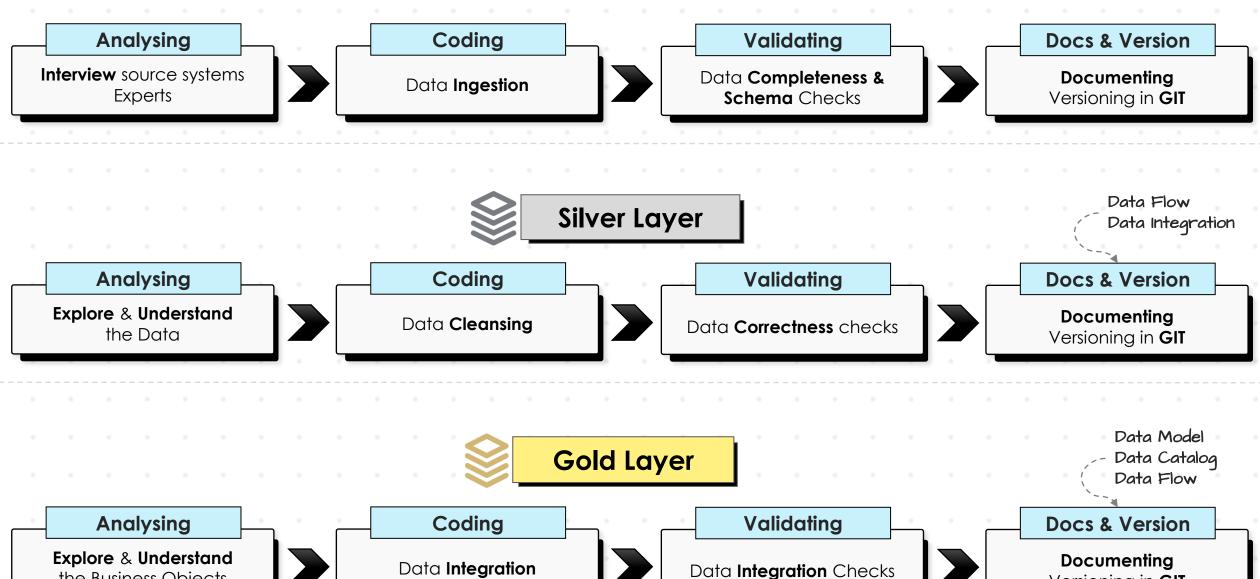
Target Audience

- Data Engineers

- Data Analysts
- Data Engineers

- Data Analysts
- Business Users





Versioning in **GIT**

the Business Objects

Source System Interview

Business Context & Ownership

Who **owns** the **data**?

What **Business Process** it supports?

System & Data documentation

Data Model & Data Catalog

Architecture & Technology Stack

How is data **stored**? (SQL Server, Oracle, AWS, Azure, ...)

What are the **integration capabilities**? (API, Kafka, File Extract, Direct DB, ...)

Extract & Load

Incremental vs. Full Loads?

Data **Scope** & **Historical** Needs

What is the expected size of the extracts?

Are there any data volume limitations?

How to **avoid impacting** the source system's **performance**?

authentication and **authorization** (tokens, SSH keys, VPN, IP whitelisting, ...)