



## Bronze Layer

Definition

Raw, unprocessed data as is from sources

Objective

Traceability & debugging

Objective Type

Tables

Load Method

**Full Load**  
(Truncate & Insert)

Data Transformation

None (as-is)

Data Modeling

None (as-is)

Target Audience

- Data Engineers



## Silver Layer

Clean & Standardize Data

(intermediate Layer)  
Prepare Data for Analysis

Tables

**Full Load**  
(Truncate & Insert)

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

None (as-is)

- Data Analyst
- Data Engineers



## Gold Layer

Business Ready Data

Provide Data to me consumed for reporting and analytics

Views

None

- Data Integration
- Data Aggregation
- Business Logic & Rules

- Star Schema
- Aggregated Objects
- Flat Tables

- Data Analyst
- Business Users



## Bronze Layer

### Analysing

**Interview** source system experts

### Coding

Data **Ingestion**

### Validating

Data **Completeness & Schema** Checks

### Docs & Version

**Documenting** Versioning in **GIT**



## Silver Layer

### Analysing

**Explore & Understand** the Data

### Coding

Data **Cleansing**

### Validating

Data **Correctness** checks

### Docs & Version

**Documenting** Versioning in **GIT**



## Gold Layer

### Analysing

**Explore & Understand** the Business Objects

### Coding

Data **Integration**

### Validating

Data **Integration** checks

### Docs & Version

**Documenting** Versioning in **GIT**

Build the  
Business  
Object

Choose Type  
Dimension vs  
Fact

Rename to  
Friendly Names

Data Flow  
Data Integration

Data Model  
Data Catalog  
Data Flow

# 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 **integrations 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, ...)