# Sources

## Data Wearhouse

**Bronze Layer**

**Silver Layer**

**CRM**

**ERP**

**Object Type:**
CSV Files

**Interface:**
Files in Folders

**Raw Data**

**Object Type:** Tables
**Load:**
Batch Processing
Full Load
Truncate and Insert
**No Transformation**
**Data Model:** None(as-is)

**Clearned Standardized Data**

**Object Type:** Tables
**Load:**
Batch Processing,
Full Load
Truncate and Insert
**Transformation:**
Data Cleaning
Data Standardization
Data Normalization
Data Columns
Data Enrichmnet

**Data Model:** None(as-is)

# Data Wearhous

**Bronze Layer**

**Silver Layer**

# Sources

## Gold Layer



**Business Ready Data**

**Object Type:** Views
**NO Load**
**Transformation:**
Data Integration
Aggregation
Business Logic
**Data Model:**
Star Schema
Flag Table
Aggregated Table

## Consume



**BI & Reporing**

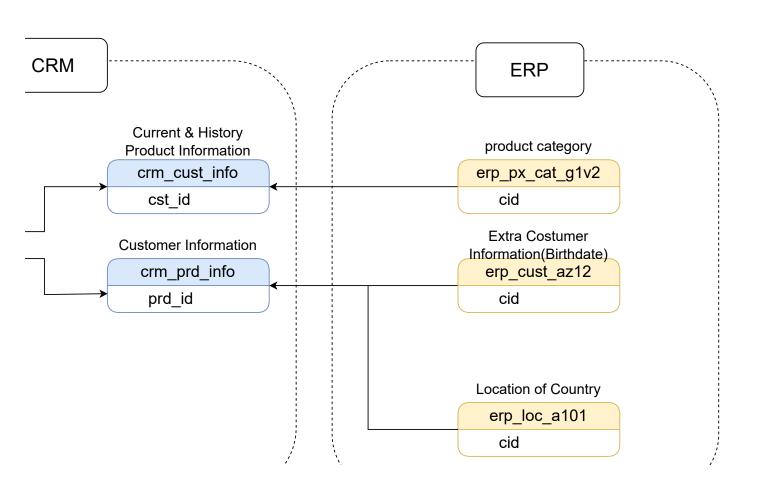

**SQL Querries**



**Machine Learing**

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## Gold Layer
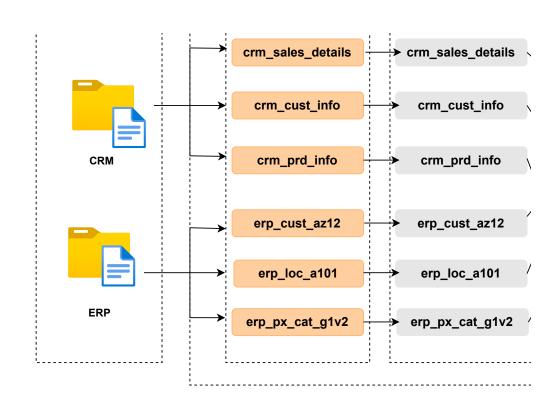
Transectional Record
about Sales & Orders

| crm_cust_info |
| --- |
| cst_id |
| prd_id |

CRM

ERP

Current & History
Product Information

| crm_cust_info |
|---|
| cst_id |

Customer Information

| crm_prd_info |
|---|
| prd_id |

product category

| erp_px_cat_g1v2 |
|---|
| cid |

Extra Costumer
Information(Birthdate)

| erp_cust_az12 |
|---|
| cid |

Location of Country

| erp_loc_a101 |
|---|
| cid |

CRM

ERP

crm_sales_details → crm_sales_details

crm_cust_info → crm_cust_info

crm_prd_info → crm_prd_info

erp_cust_az12 → erp_cust_az12

erp_loc_a101 → erp_loc_a101

erp_px_cat_g1v2 → erp_px_cat_g1v2

fact_sales

dim_costumers

dim_products

## gold.dim_customers

| PK | costumer_key |
|----|--------------|
|    | costumer_id |
|    | customer_number |
|    | first_name |
|    | last_name |
|    | country |
|    | maritial_status |
|    | gender |
|    | birthdate |

## gold.fact_sales

|     |              |
|-----|--------------|
|     | order_number |
| FK1 | product_key |
| FK2 | customer_key |
|     | order_date |
|     | shipping_date |
|     | due_date |
|     | sales_amount |
|     | quantity |
|     | price |

## gold.dim_c...

| PK | product_key |
|----|-------------|
|    | product_id |
|    | product_num... |
|    | product_nam... |
|    | category_id |
|    | category |
|    | maintenance |
|    | cost |
|    | product_line |
|    | start_date |

**sales Calculation**

Sales = Quantity * Price

**ustomers**

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# Data Wearhouse

## Sources

**CRM**

**ERP**

## Bronze Layer

- crm_sales_details
- crm_cust_info
- crm_prd_info
- erp_cust_az12
- erp_loc_a101
- erp_px_cat_g1v2

## Silver Layer

- crm_sales_details
- crm_cust_info
- crm_prd_info
- erp_cust_az12
- erp_loc_a101
- erp_px_cat_g1v2

## Gold Layer

- fact_sales
- dim_costumers
- dim_products