
Gold Layer Data Catalogue

This catalogue describes the curated views in the **gold schema**, which represent dimensional and fact tables for analytics and reporting. These views are built on top of the cleaned and enriched **silver layer**.



gold.dim_customers



Description

Customer dimension view combining CRM and ERP data to provide enriched customer profiles.



Source Tables

- silver.crm_cust_info
- silver.erp_CUST_AZ12
- silver.erp_LOC_A101



Columns

Column Name	Description
customer_key	Surrogate key generated via ROW_NUMBER()
customer_id	CRM customer ID
customer_number	CRM customer key
first_name	Customer's first name
last_name	Customer's last name
country	Country from ERP location data
marital_status	Mapped marital status (Married , Single , etc.)
gender	Gender from CRM or fallback to ERP
birth_date	Birth date from ERP
create_date	Customer creation date in CRM



gold.dim_products



Description

Product dimension view enriched with category and maintenance data from ERP. Filters out historical products.



Source Tables

- silver.crm_prd_info
- silver.erp_PX_CAT_G1V2



Columns

Column Name	Description
product_key	Surrogate key generated via ROW_NUMBER()
product_id	CRM product ID
product_number	CRM product key
product_name	Product name
category_id	Derived category ID from product key
category	ERP category label
sub_category	ERP subcategory label
maintenance	ERP maintenance type
product_line	Product line classification
product_cost	Product cost
product_start_date	Product start date
sales_product_number	Sales product key used for joining with sales



Filter Applied

- WHERE pr.prd_end_dt IS NULL → excludes historical/inactive products



gold.fact_sales

Description

Fact table capturing transactional sales data, enriched with product and customer dimension keys.

Source Tables

- `silver.crm_sales_details`
- `gold.dim_products`
- `gold.dim_customers`

Columns

Column Name	Description
<code>order_number</code>	Sales order number
<code>product_key</code>	Foreign key from <code>dim_products</code>
<code>customer_key</code>	Foreign key from <code>dim_customers</code>
<code>order_date</code>	Date of order placement
<code>shipment_date</code>	Date of shipment
<code>due_date</code>	Expected delivery date
<code>sales_amount</code>	Total sales value
<code>quantity</code>	Quantity sold
<code>price</code>	Unit price

Usage Notes

- These views are optimized for BI tools, dashboards, and analytical queries.
- Surrogate keys (`ROW_NUMBER()`) are used for dimensional joins.
- All joins are **left joins** to preserve referential integrity even with partial data.