# Data Dictionary for Gold Layer

Overview.

The Gold layer is the business level data representation, structures to support analytical and reporting use cases. It consists of dimension and facts table.

1. gold.dim\_customers

* purpose : Store the all the details about customers
* Columns:

|  |  |  |
| --- | --- | --- |
| Column\_Name | Data type | Description |
| customer\_Key | INT | Surrogate key uniquely identifying each customer record in the dimension table |
| customer\_id | INT | Unique numerical identifier assigned to each customer |
| Customer\_number | NVARCHAR(50) | Alphanumeric identifier representing the customer, used for the references |
| First\_name | NVARCHAR(50) | Customer firstname record in the system |
| Last\_name | NVARCHAR(50) | Customer lastname record in the system |
| country | NVARCHAR(50) | Customer country residents |
| Marital\_status | NVARCHAR(50) | The marital status of the customer (Eg:- Married, Single..) |
| Gender | NVARCHAR(50) | The gender of the customer (Eg: Male,Female) |
| birthedate | DATE | The date of birth of customer.  Format as yyyy-mm-dd Eg(2004-01-29) |
| Create\_date | DATE- | The date and time when customer is created in the system |

1. gold.dim\_products
   * purpose : Store the all the details about products
   * Colmns

|  |  |  |
| --- | --- | --- |
| Column\_name | Data Type | Description |
| Product\_key | INT | Surrogate key uniquely identifyieng each product record in the product dimension table |
| Product\_id | INT | Unique identifier assigned to the product for internal tracking and references |
| Product\_number | NVARCHAR(50) | A structure Alphanumeric code representing the product often used for categorization or inventory |
| Product\_name | NVARCHAR(50) | Describe the product name including key details such as color size..etc |
| Category\_id | NVARCHAR(50) | A uniquely identifier for the category, linking to its high level classification |
| Category | NVARCHAR(50) | The broader classification of the product to group related items |
| Sub\_category | NVARCHAR(50) | A more detailed classification of the product within the category such as product type |
| maintenance | NVARCHAR(50) | Indicates wheather product requires maintainence or not |
| Cost | INT | Cost for the create the particular product |
| Product\_line | NVARCHAR(50) | The specific product line or series to wich the product belongs (Eg:- Mountain, Road..) |
| Start\_date | DATE | The date when the product became available for sale or use, store in |

1. gold.fact\_sales
   * purpose :store transactional sales data for analytical purpose
   * Columns:

|  |  |  |
| --- | --- | --- |
| Column\_name | Data type | Description |
| Order\_number | NVARCHAR(50) | Uniquely alphanumeric identifier for each sales order |
| Product\_key | INT | Surrogate key Linking the order to the product dim table |
| Customer\_key | INT | Surrogate key Linking the order to the customer dim table |
| Order\_date | DATE | The date when the order was placed |
| Ship\_date | DATE | The date when the order was shipped to the customers |
| Due\_date | DATE | The date when the order payment was due |
| Sales\_amount | INT | The total monetary value of the sale for the line items, in whole currency units |
| Quantity | INT | The number of units of the product ordered for the line item |
| price | INT | The price per unit of the product ordered for the line item |