# Data Warehouse Architecture

## Task 01: CREATE Schema of simple Data Warehouse Architecture

**The Main Task** is to create Diagram to describe yours simple Data Warehouse.

According yours Business Task (Solution Proposal) prepare naming conversation table for all levels of Data Warehouse.

**Task Results:**

Create document or Add chapter to Solution Concept, which contained next:

* + Data Warehouse Architecture diagram
  + Name Conversation table

|  |  |  |  |
| --- | --- | --- | --- |
| Level Type | Object Name | Tablespace | Description |
| Storage level  SA\_\* | SA\_CUSTOMERS | ts\_sa\_customers\_data\_01 | Loading from xls storage system. Contains Customer information |
| SA\_PRODUCTS | ts\_sa\_products\_data\_01 | Loading from xls storage system. Contains Products information |
| SA\_CONTRACTS | ts\_sa\_contracts\_data\_01 | Loading from xls storage system. Contains Contracts information |
| SA\_DEPARTMENTS | ts\_sa\_departments\_data\_01 | Loading from flat file storage system. Contains Departments information |
| SA\_CURRENCY | ts\_sa\_currency\_data\_01 | Loading from flat file storage system. Contains Currency information |
| DW - Cleansing Level | DW\_CL\_REFERENCES | ts\_dw\_cl\_ref\_01 | Cleansing data for references |
| DW\_CL\_DATA | ts\_dw\_cl\_data\_01 | Cleansing data for facts |
|  | DW\_CL\_PKG | ts\_dw\_cl\_pkg\_01 | Packages for extracting and loading data. |
| DW – Level | DW\_DATA | ts\_dw\_data\_01 | Storage for aligned facts |
| DW\_IDX | ts\_dw\_idx\_01 | Storage for indexes |
| DW\_REFERENCES | ts\_dw\_references\_01 | Storage for dimension data |
| DW– Prepare Star Cleansing Level | SAL\_DW\_CL | ts\_sal\_dw\_cl\_01 | Data for prepare star. |
| STAR - Cleansing | SAL\_CL\_DATA | ts\_sal\_cl\_data\_01 | Cleansing tables for facts |
| SAL\_CL\_REFS | ts\_sal\_cl\_refs\_01 | Cleansing tables for references |
| STAR – Level | SAL\_DATA | ts\_sal\_data\_01 | Storage for facts in star |
| SAL\_IDX | ts\_sal\_idx\_01 | Storage for indexes in star |
| SAL\_REFS | ts\_sal\_refs\_01 | Storage for references in star |
| DM\_CUSTOMERS | ts\_dm\_customers\_01 | Data Mart storage for analytics by customers |
| DM\_PRODUCTS | ts\_dm\_products\_01 | Data Mart storage for analytics by products |
| DM\_LOCATIONS | ts\_dm\_locations\_01 | Data Mart storage for analytics by locations |
| DM\_DEPARTMENTS | ts\_dm\_departments\_01 | Data Mart storage for analytics by departments |
| DM\_PERIODS | ts\_dm\_periods\_01 | Data Mart storage for analytics by periods |

## 

## Task 02: CREATE Storage Level

**The Main Task** is to create Physical Objects According Diagram from task 01

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data Warehouse Architecture – Storage level Objects
  + Scripts put on Git

## Task 03: CREATE Data warehouse Cleansing Level

**The Main Task** is to create Physical Objects According Diagram from task 01

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data Warehouse Architecture – Data warehouse cleansing level Objects
  + Scripts put on Git

## Task 04: CREATE Data warehouse Start Cleansing Level

**The Main Task** is to create Physical Objects According Diagram from task 01

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data Warehouse Architecture – Data warehouse Star Cleansing level Objects
  + Scripts put on Git

## Task 05: CREATE Start Cleansing Level

**The Main Task** is to create Physical Objects According Diagram from task 01

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data Warehouse Architecture –Star Cleansing level Objects
  + Scripts put on Git

## Task 06: CREATE Data warehouse Start Level and Data Marts

**The Main Task** is to create Physical Objects According Diagram from task 01

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data Warehouse Architecture – Data warehouse Star and Data Marts level Objects
  + Scripts put on Git

# Star – Business analyses task

## Task 07: CREATE Prepared Start Objects

**The Main Task** is to create Physical Objects according your Business Star, that was developed on Labwork 6, labwork 7.

**Task Results:**

Create scripts and edit scheme, which contained next:

* + Data warehouse Star and Data Marts level Objects
  + Scripts put on Git

## Task 09: DataFlow Diagram

**The Main Task** is to create DataFlow Diagram to describe refresh process of yours Business STAR

**Task Results:**

Create DataFlow Diagram:

* + Add chapter to Solution Concept with DataFlow Diagrams

## Task 09: Grants Object Privileges

**The Main Task** is to grant all required Object Privileges to cleansing layers.

**Task Results:**

* + Scripts put on Git
  + Create screenshot with all granted privileges to DW\_CL, SAL\_CL\_DW, SAL\_CL layers.