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# 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Level Type | Object Name | Tablespace | Description | Privileges |
| SA – Stage Area | u\_sa\_loader | ts\_sa\_data\_01 | Loading from Flat file storage system. Contains information about our business process | Create tables and views |
| DW - Cleansing Level | u\_dw\_cl | ts\_dw\_cl\_01 | Extract data from flat files, cleans it and prepare data to insertion into DW 3NF tables. | Create and drop tables,  Create and drop views  Select from SA views  Merge with SA views |
| DW – Level | u\_dw | ts\_dw\_data\_01 | Store clean information in the 3-rd normal form.  Basic DWH level | Create and drop tables,  Create and drop views  Select from DW-CL views  Merge with DW-CL views |
| DW– Prepare Star Cleansing Level | u\_sal\_dw\_cl | ts\_sal\_dw\_cl\_data\_01 | Create views consisting of merged tables from DW level. | Create and drop tables,  Create and drop views  Select from DW views |
| STAR - Cleansing | u\_sal\_cl | ts\_sal\_cl\_data\_01 | Loads information from previous level. Doesn’t load info which doesn’t matter our business analysis | Create and drop tables,  Create and drop views  Select from SAL-DW views  Merge with SAL-DW views |
| STAR – Level | u\_sa\_fct | ts\_sa\_fct \_data\_01 | Store information about facts | Create and drop tables,  Create and drop views  Select from SA-CL views |
| u\_sa\_dim | ts\_sa\_dim \_data\_01 | Store information about dimensions | Create and drop tables,  Create and drop views  Select from SA-CL views |

* For all tables : autoextend on
* For cleansing tables “no logging” cause this data doesn’t matter
* For DW and Star level tables “logging” to improve safety of the information
* “segment space management auto” for all tables

( may be for DW and Star better use manual settings for PCTUSED/PCTFREE and e.t.c for better performance)

Grants given: higher level can select and merge data he needs with the views of the lower level.

