# Prerequisites Task Information

## Passwords Index

|  |  |  |
| --- | --- | --- |
| Password Group | Login Name | Password |
| Operation System | root | “rootadmin” |
|  | oracle | “oracleadmin” |
|  |  |  |
| Oracle System | sys | “sysadmin” |
|  | system | “sysadmin” |
|  |  |  |
| Oracle Users | All DB users | “%PWD%” |
|  |  |  |
|  |  |  |

## Folder Paths Index

|  |  |  |
| --- | --- | --- |
| Path Group | Path Description | Path |
| Operation System | Oracle RDBMS – BIN | /oracle/app/oracle |
|  | Oracle Inventory | /oracle/app/oraInventory |
|  | Oracle Database Storage | /oracle/oradata |
|  | Oracle Install Directory | /oracle/install |
| Oracle | ORACLE\_BASE | /oracle/app/oracle |
|  | ORACLE\_HOME | $ORACLE\_BASE/product/11.2 |
|  |  |  |
| FTP | ftp Incoming Folder | **/ftp/incoming** |
|  |  |  |
|  |  |  |

# 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 | Privileges |
| Storage level  SA\_\* | SA\_CUSTOMERS | ts\_sa\_customers\_data\_01 | Loading from Flat file storage system. Contains Customer information |  |
| SA\_SALES | ts\_sa\_sales\_data\_01 | Loading from Flat storage system. Contains Sales information |  |
|  |  |  |  |
| DW - Cleansing Level | DW\_CL | ts\_dw\_cl\_data\_01 | Clean raw data inserted from files and insert it into tables in the 3-rd normal form. | DW\_CL clean raw data inserted from files and insert it into tables in the 3-rd normal form. To make this operations user U\_DW\_CL should have grants to create tables with raw data, to select information from resources and load information, and create views, to create result views with clean information. |
| DW – Level | DW | ts\_dw\_data\_01 | Store information in the 3-rd normal form. |  |
| DW– Prepare Star Cleansing Level | SAL\_DW\_CL | ts\_sal\_dw\_cl\_data\_01 | Create views, which consist of merged tables from DW Level. | U\_SAL\_CL\_DW should have grants to select information from DW Level, create tables, where he will make changes, and create any view to make the clean view visible to next level users, who will have grants on it. |
| STAR - Cleansing | SAL\_CL | ts\_sal\_cl\_data\_01 | Delete from views, from previous level information, which don’t touch our business analysis question. | U\_SAL\_CL should have grants to select information from the view, which was created on U\_SAL\_CL\_DW level, create tables to insert into them the information, which relative only with future analytic plan and the grant to create views to make public clean information for future levels. |
| STAR – Level | FCT\_SALES | ts\_star\_fct\_data\_01 | Store information about facts |  |
| DIM\_TABLES | ts\_star\_dim\_data\_01 | Store information about dimensions |  |
|  |  |  |  |
|  |  |  |  |

## 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.

DW\_CL clean raw data inserted from files and insert it into tables in the 3-rd normal form. To make this operations user U\_DW\_CL should have grants to create tables with raw data, to select information from resources and load information, and create views, to create result views with clean information.

U\_SAL\_CL\_DW should have grants to select information from DW Level, create tables, where he will make changes, and create any view to make the clean view visible to next level users, who will have grants on it.

U\_SAL\_CL should have grants to select information from the view, which was created on U\_SAL\_CL\_DW level, create tables to insert into them the information, which relative only with future analytic plan and the grant to create views to make public clean information for future levels.