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U2M11.LW.ETL Overview - Advanced Refresh Scenarios

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# 1. Prerequisites Task Information

## 1.1. 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%” |
|  |  |  |
|  |  |  |

## 1.2. 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** |
|  |  |  |
|  |  |  |

# 2. ETL Advanced Refresh Scenarios – Refactoring Load to SAL

**Task 01 is common for LabWork 10 (Task 02), 11(Task 01).**

## 2.1. Task 01: Loading to SAL Layer Data

**The Main Task** is to load dimension to SAL layer

**Required points:**

* Refactoring package for Load FCT\_\* to SAL Layer
* Use Exchange Partition, Merge Partition
* Use “Cleansing” (Temporary) Table

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Data

# 3. Business Task – Performance of STAR Scheme

## 3.1. Task 02: Prepare Report Layout

**The Main Task** is to create Ad Hoc SQL for Report Layout Monthly that was developed on LabWork 2 (Use STAR schema objects for source of Data).

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Data

## 3.2. Task 03: Compare Report Layout Performance

**The Main Task** is to create summarize table with comparison Performance of next Report Layout:

* Advancing Grouping (GROUP BY GROUPING SETs – LabWork 02)
* Model Clause (LabWork 05)
* Star Schema (LabWork 11)

**Task Results:**

Create required objects:

* Prepare Document with Summarize table

|  |  |  |  |
| --- | --- | --- | --- |
| № | Source Type | Explain Plan - Statistics | Time, Sec. |
| 1 | Advancing Grouping |  |  |
| 2 | Model Clause |  |  |
| 3 | Star Schema |  |  |