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U1M9.LW.Partitioning

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# 1. Prerequisites

## 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. Oracle Architecture - Partitioning

## 2.1. Task 01: CREATE Example of Range partitioning

**The Main Task** is to creating example of range partitioning table. Perform Administration tasks on all partitioning types:

| Maintenance Operation | Range Composite Range-\* | Interval Composite Interval-\* | Hash | List Composite List-\* | Reference |
| --- | --- | --- | --- | --- | --- |
| [Adding Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1007318) | ADD PARTITION | ADD PARTITION | ADD PARTITION | ADD PARTITION | N/A[Foot 1](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm" \l "BAJCBJBA) |
| [Coalescing Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1007442) | N/A | N/A | COALESCE PARTITION | N/A | N/A[Footref 1](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm" \l "sthref213) |
| [Dropping Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1007479) | DROP PARTITION | DROP PARTITION | N/A | DROP PARTITION | N/A[Footref 1](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm" \l "sthref214) |
| [Merging Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1007638) | MERGE PARTITIONS | MERGE PARTITIONS | N/A | MERGE PARTITIONS | N/A[Footref 1](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm" \l "sthref215) |
| [Moving Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1007920) | MOVE PARTITION | MOVE PARTITION | MOVE PARTITION | MOVE PARTITION | MOVE PARTITION |
| [Splitting Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1008028) | SPLIT PARTITION | SPLIT PARTITION | N/A | SPLIT PARTITION | N/A[Footref 1](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm" \l "sthref216) |
| [Truncating Partitions](http://docs.oracle.com/cd/B28359_01/server.111/b32024/part_admin.htm#i1008226) | TRUNCATE PARTITION | TRUNCATE PARTITION | TRUNCATE PARTITION | TRUNCATE PARTITION | TRUNCATE PARTITION |

**Task Results:**

Create document that will store all screenshot about **Maintenance Operations**;

# 3. Business Task - Partitioning Facts

## 3.1. Task 02: Partitioning Facts

**The Main Task** is to partitioning Fact table that you create and describe on yours Solution Concept

Default partitioning scheme:

* Range by Even\_dt (Daily, Monthly …)
* Hash by one of IDs (4 Subpartitions)

**Task Results:**

* Add chapter to Solution Concept describing Partitioning rules on Fact Tables.
* Change Creation Script for Fact Table.