**Projeto:Projeto SIM**

**DET: Projeto\_SIM\_DT\_DW\_06\_[Alocação de Espaço]**

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| Version: | Date: | Description of the changes in version: | Author: |
| 1.0 | 25/08/2015 | Document Creation | Prabindra Kharbuja |
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| **Demand Summary** | | | | |
| Issue/Title: |  | Requester: |  | |
| Demand leader in IT: |  | | | |
| Involved areas (cross): | Responsible | | | Involved Programs: |
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# Goals Demand

The objective of this document is to provide step by step guide to implement SDE\_NB\_Retail\_SpaceAllocationFact and SIL\_NB\_Retail\_SpaceAllocationFactpackages. The information related to the pre and post process for implementation is included.

## Related Documents

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| **Name** | **Version** | **Localization** |
| Projeto\_SIM\_DT\_DW\_06\_[Alocação de Espaço] | 0.1 | Sharepoint Renner > Documentos > Retail > Documentos Técnicos > DW > |

## Glossary

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| --- | --- |
| **Acronym** | **Description** |
| FOLD | Folder |
| SDE | Source Dependent Extract |
| KM | Knowledge Module |
| SIL | Source Independent Load |

# Release plan

## Detailed Procedures

Program consists of extraction, loading and post processing parts. So three level of implementation is needed. Following are the procedures need to follow to implement the SDE\_NB\_Retail\_SpaceAllocationFact (extraction) and SIL\_NB\_Retail\_SpaceAllocationFact (loading) the program successfully and the possible issues that may arise during implementation.  
It is divided into three steps, Pre Task, Implementation Tasks and Post Tasks.

### Pre-Tasks

The interfaces associated with this Program are:

Interfaces for extraction:

* SDE\_Retail\_SpaceAllocationStageLoad

Interfaces for Loading:

* SIL\_Retail\_SpaceAllocationTempLoad
* SIL\_Retail\_SpaceAllocationLoad

Below are the steps and procedure to be considered before implementing

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Seq.** | **Activity** | **Executive Team** | **Dependency** | **Remarks** |
| 1 | Check whether if the **RNR Oracle Retail Analytics** project is present or not in designer tab. If not, create with the same name.  *(For detail see section 4 of this document)* | Infrastructure Team |  |  |
| 2 | Create one back up of the program folder (duplicate): *Take backup of the package->Open the project in ODI Designer, expand SDE folder, right click the specific folder that need to keep as backup and select Duplicate Selection. (For detail see section 4 of this document)* | Infrastructure Team |  |  |
| 3 | Check whether the following variables are present or not. If not import the variables(to import (Right click the variables icon, inside the project):   * **RA\_SRC\_BASE\_HOME** * **RA\_SRC\_LOG\_FILE** * **RA\_BUSINESS\_CURRENT\_DT** * **RA\_SRC\_BUSINESS\_CURRENT\_DT** * **RA\_SRC\_THREAD\_VAL** * **RA\_THREAD\_VAL** * **RA\_TRUNCATE\_LATEST\_PARTITION** * **LOADING\_TAB\_PREFIX** * **RA\_CATEGORY** * **DATASOURCE\_NUM\_ID** * **RA\_SRC\_LANGUAGE\_LIST** * **RA\_SRC\_PRIMARY\_LANGUAGE\_CODE** * **RA\_SRC\_IS\_INCREMENTAL** * **RA\_FUTURE\_EFFECTIVE\_TO\_DT**   *(For detail see section 4 of this document)* | Infrastructure Team |  |  |
| 4 | Check whether the following knowledge modules are present or not. If not import this knowledge module:   * **IKM RA Oracle Generic Insert with Control** * **LKM RA Oracle to Oracle (DBLink) with control** * **CKM Oracle** * **IKM RA Oracle Insert Temp Load with Control** * **CKM BIAPPS Oracle**   *(For detail see section 4 of this document)* | Infrastructure Team |  |  |
| 5 | Check whether **RA Log Error File** is present or not in Procedure part. If not import **‘RA\_Error\_Log\_File’**  *(For detail see section 4 of this document)* | Infrastructure Team |  |  |
| 6 | Check whether if the Topology has correct connections, from RMS and from RMA. Check either, if the context **Development** and the Agent **odi\_dev** are present on the environment. | Infrastructure Team |  |  |

### Implementation Tasks

This is the detail information for implementing the program SDE\_NB\_Retail\_SpaceAllocationFact and SIL\_NB\_Retail\_SpaceAllocationFact in ODI.

For Extraction (SDE): SDE\_NB\_Retail\_SpaceAllocationFact

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Seq** | **Activity** | **Server** | **Branch** | **Dependency** | **Remarks** | **Executive Team** | |
| 1 | Populate the C\_ODI\_PARAM table of **RMSBATCH** schema. |  |  |  |  | Infrastructure Team | |
| 2 | Create staging table in **RADM** schema:  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_FS |  |  |  |  | Infrastructure Team | |
| 3 | Create Synonym for **RADM** tables to **RAFEDM** schema. |  |  |  |  | Infrastructure Team | |
| 4 | Grant privileges to this synonym on **RAFEDM** user from **RADM** schema |  |  |  |  | Infrastructure Team | |
| 6 | Create synonym for **RMS** tables to **RMSBATCH** schema |  |  |  |  | Infrastructure Team | |
| 7 | Grant privileges to this synonym on **RMSBATCH** user from **RMS** schema |  |  |  |  | DBA Team | |
| 5 | Create synonym for **RADM** tables to **RABATCH** schema. |  |  |  |  | | Infrastructure Team |
| 6 | Grant privileges to this synonym on **RABATCH** user from **RADM** schema |  |  |  |  | | DBA Team |
| 7 | Check whether the **RNR Oracle Retail Analytics** folder is present or not in Models section. If not create with the same name.  Inside it check whether the folders **Aggregate**, **Dimension**, **Dimension Stage**, **Fact**, **Fact Stage**, **Fact Temporary**, **General**, **General Stage**, **RA Processing Views** and **Source File** are present or not . If not present then select New Model and create the models in respective folders. Then  perform the reverse engineering.  Similarly check **whether RNR Oracle Retail Sources** folder is present or not in Models section. If not create with the same name.  Inside it check whether the folders **RA Processing Views** is present or not. If not present then select New Model and create the model in respective folders. Then perform the reverse engineering.  *(For detail see section 4 of this document)* |  |  |  |  | | Infrastructure Team |
| 8 | Go to designer, Import the folder(FOLD\_) from the original location(folder name= FOLD\_SDE\_NB\_Retail\_SpaceAllocationFact). Right click the SDE folder -> import->Import Sub Folder  *(For detail see section 4 of this document)* |  |  |  |  | | Infrastructure Team |
| 9 | Adding shell script  “nb\_spacealllocsde.ksh" in the following of the RA server directory:  **$MMHOME/src**  Where:  **$MMHOME=/u01/rma/mmhome** |  |  |  |  | |  |

For Loading (SIL): SIL\_NB\_Retail\_SpaceAllocationFact

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Seq** | **Activity** | **Server** | **Branch** | **Dependency** | **Remarks** | **Executive Team** |
| 1 | Populate the C\_ODI\_PARAM table of **RABATCH** schema. |  |  |  |  | Infrastructure Team |
| 2 | Create target table in **RABATCH** schema:  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_TMP |  |  |  |  | Infrastructure Team |
| 3 | Create target table in **RADM** schema:  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F |  |  |  |  | Infrastructure Team |
| 4 | Create synonym for **RADM** tables to **RAFEDM** schema |  |  |  |  | Infrastructure Team |
| 5 | Grant privileges to this synonym on **RAFEDM** user from **RADM** schema |  |  |  |  | DBA Team |
| 6 | Create sequence in **RADM** schema:  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F\_SEQ |  |  |  |  | Infrastructure Team |
| 7 | Grant this sequence to **RABATCH** user from **RADM** schema |  |  |  |  | DBA Team |
| 8 | Create synonym for **RADM** tables inside **RABATCH** schema. |  |  |  |  | Infrastructure Team |
| 9 | Grant privileges to this synonym on **RABATCH** user from **RADM** schema |  |  |  |  | Infrastructure Team |
| 10 | Go to designer, Import the folder(FOLD\_) from the original location(folder name= FOLD\_SIL\_NB\_Retail\_SpaceAllocationFact). Right click the SIL folder -> import->Import Sub Folder  *(For detail see section 4 of this document)* |  |  |  |  | Infrastructure Team |
| 11 | Create alternate key and primary key in **ODI Model** as follows:  **For NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F table:** Alternate key: AK\_NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F  Primary key: PK\_NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F  *(For detail see section 4 of this document)* |  |  |  |  | Infrastructure Team |
| 12 | Adding shell script  “nb\_spacealllocsil.ksh " in the following of the RA server directory:  **$MMHOME/src**  Where:  **$MMHOME=/u01/rma/mmhome** |  |  |  |  | Infrastructure Team |

### Post-Tasks

The possible steps where program might fail and whom to consult are listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Seq.** | **Activity** | **Executive Team** | **Dependency** |
| 1 | Check privilege for tables: NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_FS  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_TMP  and sequences: NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F\_SEQ | DBA Team |  |
| 2 | Run the file nb\_spacealllocsde.ksh from  $MMHOME/src  where  $MMHOME=/u01/rma/mmhome i.e. export MMHOME=/u01/rma/mmhome  cd $MMHOME/src  chmod 711 nb\_spacealllocsde.ksh ./nb\_spacealllocsde.ksh | Infrastructure Team |  |
| 3 | Run the file nb\_spacealllocsil.ksh from  $MMHOME/src  where  $MMHOME=/u01/rma/mmhome  i.e. export MMHOME=/u01/rma/mmhome  cd $MMHOME/src  chmod 711 nb\_spacealllocsil.ksh ./nb\_spacealllocsil.ksh | Infrastructure Team | 2 |
| 4 | Check whether the scripts ran successfully | Infrastructure Team |  |

## Return Procedures in case of failure in some functionality

This section specifies the steps to be followed if a fault occurs in the implementation process and have to return to the previous process.

### Pre-Tasks

N/A

### Back

This section describes the steps to return back to the previous state. Please follow the procedure to revert back the package to its original state

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Seq.** | **Activity** | **Server** | **Branch** | **Dependency** | **Remarks** | **Executive Team** |
| 1 | Remove all the the imported objects on SDE\_NB\_Retail\_SpaceAllocationFact folder, as below:  **Expand RNR Oracle Retail Analytics 🡪 SDE 🡪 Right click SDE\_NB\_Retail\_SpaceAllocationFact and select ‘Delete’** |  |  |  |  | Infrastructure Team |
| 2 | Remove all the the imported objects on SIL\_NB\_Retail\_SpaceAllocationFact folder, as below:  **Expand RNR Oracle Retail Analytics 🡪 SIL 🡪 Right click SIL\_NB\_Retail\_SpaceAllocationFactand select ‘Delete’** |  |  |  |  | Infrastructure Team |
| 3 | Remove all the imported objects from the models.  *(For detail see section 4 of this document)* |  |  |  |  | Infrastructure Team |
| 4 | Delete records from C\_ODI\_PARAM (**RMSBATCH**): |  |  |  |  | Infrastructure Team |
| 5 | Delete records from C\_ODI\_PARAM (**RADM**): |  |  |  |  | Infrastructure Team |
| 6 | Drop tables: NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_FS  NB\_SPACE\_ALLOC\_DP\_LC\_DY\_TMP |  |  |  |  | Infrastructure Team |
| 7 | Drop sequences: NB\_SPACE\_ALLOC\_DP\_LC\_DY\_F\_SEQ |  |  |  |  | Infrastructure Team |
| 8 | Drop all synonyms |  |  |  |  | Infrastructure Team |

### Post-Tasks

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Seq.** | **Activity** | **Server** | **Branch** | **Dependency** | **Remarks** | **Executive Team** |
| 1 | Check whether tables and sequences are deleted from database. |  |  |  |  | Infrastructure Team |

## Communication Plan

If any issues occur during installation please contact the following persons

|  |  |  |  |
| --- | --- | --- | --- |
| **Order** | **Contact** | **Email** | **Telephone** |
| 1 | [Diego](mailto:Manish.subedi@logicinfo.com) Peixoto | [diego.peixoto@logicinfo.com](mailto:diego.peixoto@logicinfo.com) | +55 11 95640-5127 |
| 2 | [Leandro](mailto:Leandro.tuzi@logicinfo.com) Ap. Tuzi | [leandro.tuzi@logicinfo.com](mailto:leandro.tuzi@logicinfo.com) | +55 11 96493-8214 |

# Bugs Base Identified

* If privilege is not provided to the tables we will receive error like ‘invalid identifier in ODI like:  
  
* Check whether required knowledge module is present or not inside the interfaces. if not then do the following process:

Go to flow tab select the corresponding KMs

*(For detail see section 4 of this document)*

* + IKM RA Oracle Generic Insert with Control
  + LKM RA Oracle to Oracle (DBLink) with control
  + CKM Oracle
  + IKM RA Oracle Insert Temp Load with Control
  + CKM BIAPPS Oracle
* Before executing for the first time, check to insert records in C\_ODI\_PARAM table see section 2.1.2 for SDE, SIL and PLP.

# Attachments

