Oracle® Governance, Risk and Compliance Intelligence

Implementation Guide

Release 3.0

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Oracle Governance, Risk and Compliance Intelligence Implementation Guide, Release 3.0

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- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Oracle E-Business Suite Release Online Documentation CD available on My Oracle Support and www.oracle.com. It contains the most current Documentation Library plus all documents revised or released recently.

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Preface

Intended Audience

Welcome to Release 3.0 of the *Oracle Governance, Risk and Compliance Intelligence Implementation Guide.*

Oracle Governance, Risk and Compliance Intelligence (GRCI) Implementation Guide for Release 3.0is intended for information technology personnel and privileged users responsible for installing and configuring the GRCI application.

See Related Information Sources on page x for more Oracle E-Business Suite product information.

Deaf/Hard of Hearing Access to Oracle Support Services

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Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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Structure

Related Information Sources

Oracle Governance, Risk and Compliance Intelligence User's Guide for Release 3.0.

This guide provides information on how to use the Governance, Risk and Compliance Intelligence application.

Do Not Use Database Tools to Modify Oracle E-Business Suite Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle E-Business Suite data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle E-Business Suite data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify Oracle E-Business Suite data using anything other than Oracle E-Business Suite, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle E-Business Suite.

When you use Oracle E-Business Suite to modify your data, Oracle E-Business Suite automatically checks that your changes are valid. Oracle E-Business Suite also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

1

About Oracle Governance, Risk and Compliance Intelligence

Product Overview

Oracle Governance, Risk and Compliance Intelligence (also referred to as GRCI, GRI, or GRC Intelligence), Release 3.0, is an intelligence reporting application that extracts data from Oracle Enterprise Governance, Risk and Compliance Manager (also referred to as EGRCM or Enterprise GRC Manager), Release 8.0 and Oracle Application Access Control Governor (AACG), Release 8.5.

> **Note:** AACG, Release 8.5, is one of the products within Oracle's Governance, Risk and Compliance Controls Suite (GRCC).

The Oracle Governance, Risk and Compliance Intelligence solution is designed to enhance your visibility into the organization's compliance readiness and responsiveness by providing certification, controls, issues, risks, and testing diagnostics and out-of-the-box management reports. By using Oracle Governance, Risk and Compliance Intelligence, you can drill from high-level to detailed information to effectively plan, model, report, and analyze GRCI activities. You can identify potential issues early and take informed and timely corrective actions.

GRCI Sourced from EGRCM

EGRCM 8.0 is one of the sources of GRCI 3.0, and information such as Processes, Controls, Significant Accounts, Risks and Issues are extracted from EGRCM and loaded into the GRCI data store. The creation of the GRCI Star Schema, Extraction, Transformation and Load of EGRCM data into the GRCI star schema is accomplished using ODI scripts. For further details on implementing EGRCM based GRCI, please refer to Chapter 2.

GRCI Sourced from AACG

- **GRCI Analytics Integration Overview**

The source of GRCI Release 3.0 data store is AACG 8.5 and information such as policies, entitlements, exclusions, conflicts etc., are loaded into GRCI staging tables hosted in the GRCI (data store) schema. This data load is accomplished in a 'push' fashion as opposed to the traditional 'extract' method and it is called Analytics Integration.

- A tab called 'Analytics Integration' is available on the 'Application Configuration' screen. This captures the setup information related to the integration.

- Conflict run in AACG 8.5 is enriched with 'AACG data services' to load data into GRCI staging tables.

- The other source of GRCI is derived from EGRCM 8.0; and information such as Processes, Controls, Risks, and Issues etc., from EGRCM 8.0 is loaded into GRCI data store tables for analysis.

- **Analytics Integration Schemas**

  The analytics integration component of AACG application uses two schemas to create necessary data for analysis by GRCI application. One schema (referred to as ag_access) stores AACG specific data in tables prefixed with LAA_ and TMP_ and another schema (also referred to as gri or GRI) contains the staging tables used by GRCI ETL process. This gri schema contains all database objects used by the GRCI application.

- **Staging Tables Load**

  The gri schema contains the staging tables (prefixed with GRI_S), which act as an interface between AACG and GRCI applications. These tables are populated when the user executes the Conflict Run process in AACG application.

  > **Note:** Check the AACG documentation for details on how to configure the application to connect to GRCI staging schema and load data into these staging tables.

  The staging (GRI_S_) tables are loaded during every execution of Conflict Run and data is updated in the staging tables in an update-else-insert fashion. Here are two examples:

1. If the entitlement description or entitlement status changes in AACG, the AACG data services component will pick up the changes during the next Conflict Run, and update the staging tables GRI_S_ENTITLEMENT and GRI_S_ENTITLEMENT_TL with the new values.

2. If the status of a Conflict Path changes from Approved to Rejected in AACG, the AACG data services component will pick up the changes during the next Conflict

Run and update the staging table GRI_S_CONFLICT_PATH.

- **GRCI Star Schema Tables Load**

  Data in the GRCI staging schema is refreshed during every execution of Conflict Run in AACG. So as a best practice it is recommended that GRCI administrator execute the ODI based ETL packages immediately after every successful execution of Conflict Run (for ex: Run-1) in AACG. This would refresh the content of GRCI star schema tables and users can visualize the latest values in OBIEE based dashboards and reports. If the ETL packages are not executed before the next Conflict Run (for ex: Run-2) in AACG, the data in GRCI staging tables will be overwritten before the previous Run's (Run-1) changes being propagated to GRCI star schema tables.

About This Guide

This document explains how to install the Oracle Governance, Risk and Compliance Intelligence application on a Oracle 10g server. The information contained in this document is subject to change as the product technology evolves and as hardware, operating systems, and third-party software are created and modified. This document is intended for information technology personnel and authorized users responsible for installing and configuring the Oracle Governance, Risk and Compliance Intelligence, Release 3.0 application.

About Languages

The Oracle Governance, Risk and Compliance Intelligence, Release 3.0, is available in English only for Oracle Enterprise Governance, Risk and Compliance Manager, Release 8.0, and Oracle Application Access Controls Governor, Release 8.5.

Oracle Help for the Web

This section identifies the steps to follow to install the help files into the OBIEE file directory.

Installing Oracle GRC Intelligence Help

Prerequisites:

In the Oracle Business Intelligence Enterprise Edition (OBIEE) installed files location: {OracleBI}\oc4j_bi\j2ee\home\applications\analytics\analytics\, you must have a folder named 'Missing_'. If the Missing_ folder does not exist in the location, create this folder.

OHW Installation Steps:

Please obtain Doc ID 817114.1 from My Oracle Support or Classic Metalink, take the GRCI_Help.zip file.

1. In the Missing_ folder in the location {OracleBI}\oc4j_bi\j2ee\home\applications\analytics\analytics\, create a folder named GRCI.

2. Unzip the GRCI_Help.zip file to the newly created GRCI folder.

To view the Help icon at the Dashboard level:

Copy the existing help.gif from this location:

- C:\OracleBI\oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\views

Copy and paste the help.gif file to the following two locations:

- C:\OracleBI\oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\images folder

- C:\OracleBI\web\app\res\s_oracle10\images

Prerequisites

Before you use Oracle Governance, Risk and Compliance Intelligence, Release 3.0, you must:

- Install Oracle Database 10gR2 with patch 10.2.0.4

- Oracle Data Integrator 10.1.3.4.4

- Install Oracle Business Intelligence Enterprise Edition 10.1.3.4.0

  Install either one or all of the following applications:

- Oracle Enterprise Governance, Risk and Compliance Manager, Release 8.0

- Oracle Application Access Control Governor 8.5

- AACG Interface tables (tables with name starting as GRI_S_...) should be deployed in the same schema as the tables for data warehouse ('GRI' Schema).

In the OBIEE server, copy the existing help.gif from the following location:

- C:\OracleBI\oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\views

Then copy the file from the proceeding location to the following location:

- OracleBI\oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\images folder.

Recommendation

It is recommended that the EGRCM database installation and the GRCI data warehouse database that has 'GRI' schema be in the same network.

It is recommended that the AACG database installation and the GRCI data warehouse database that has 'GRI' schema be in the same network.

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Installing Oracle Governance, Risk and Compliance Intelligence 3.0 for Enterprise GRC Manager 8.0

Overview

This chapter covers the installation procedures for GRCI 3.0 when the source application is EGRCM 8.0.

Executing Scripts

The **GRI_30_EGRCM.zip** contains the scripts for the creation of the GRCI 3.0 datastore based on EGRCM 8.0. When the scripts are executed following the steps outlined in this section, the GRCI star schema is created.

Please follow the necessary steps in order to execute the scripts in the following file: GRI_30_EGRCM.zip.

Execute the following in the order given:

1. MODEL \CreateConfigTables.sql

   Note: If GRCI for AACG 8.5 has already been installed, you may disregard any errors for the existing tables.

2. MODEL\Create_Stage.sql
3. MODEL\Create_Dims.sql
4. MODEL\Create_Facts.sql

5. MODEL\Create_Bridge.sql
6. MODEL\Create_Packages.sql
7. MODEL\Create_Views.sql

From the ETL folder execute the following scripts:

1. ETL\InsertData.sql
2. ETL\InsertTime.sql
3. ETL\ExecuteTIME.sql

Import the file**grcdiagnostic.dlf**placed in the GRI_30_EGRCM.zip folder using the DFL uploading methodology cited in **Appendix F - Uploading dlf files to the Database using Transx**.

Note: The user is also able to load other dlf files:

- GRCD_TIME_TRANSLATION*.dlf
- GRI_A_NA_NF_TL*.dlf

This dlf upload should be done before ExecuteTIME.sql, as loading data to GRCD_TIME_TL table is dependent on data in the GRCD_TIME_TRANSLATION table.

Important: To run the maps properly, an entry needs to be added into the **GRI_A_SRC_CTX_TBL** table which links the ODI context Name and the SRC_SYS_ID. Please make sure that you place the EGRCM source information (with the same context name) in the GRI_A_SRC_SYSTEM_INFO.

E.g. Insert into gri_a_src_ctx_tbl values ('EGRCM', '<Context Name>').

Installing ODI for EGRCM 8.0

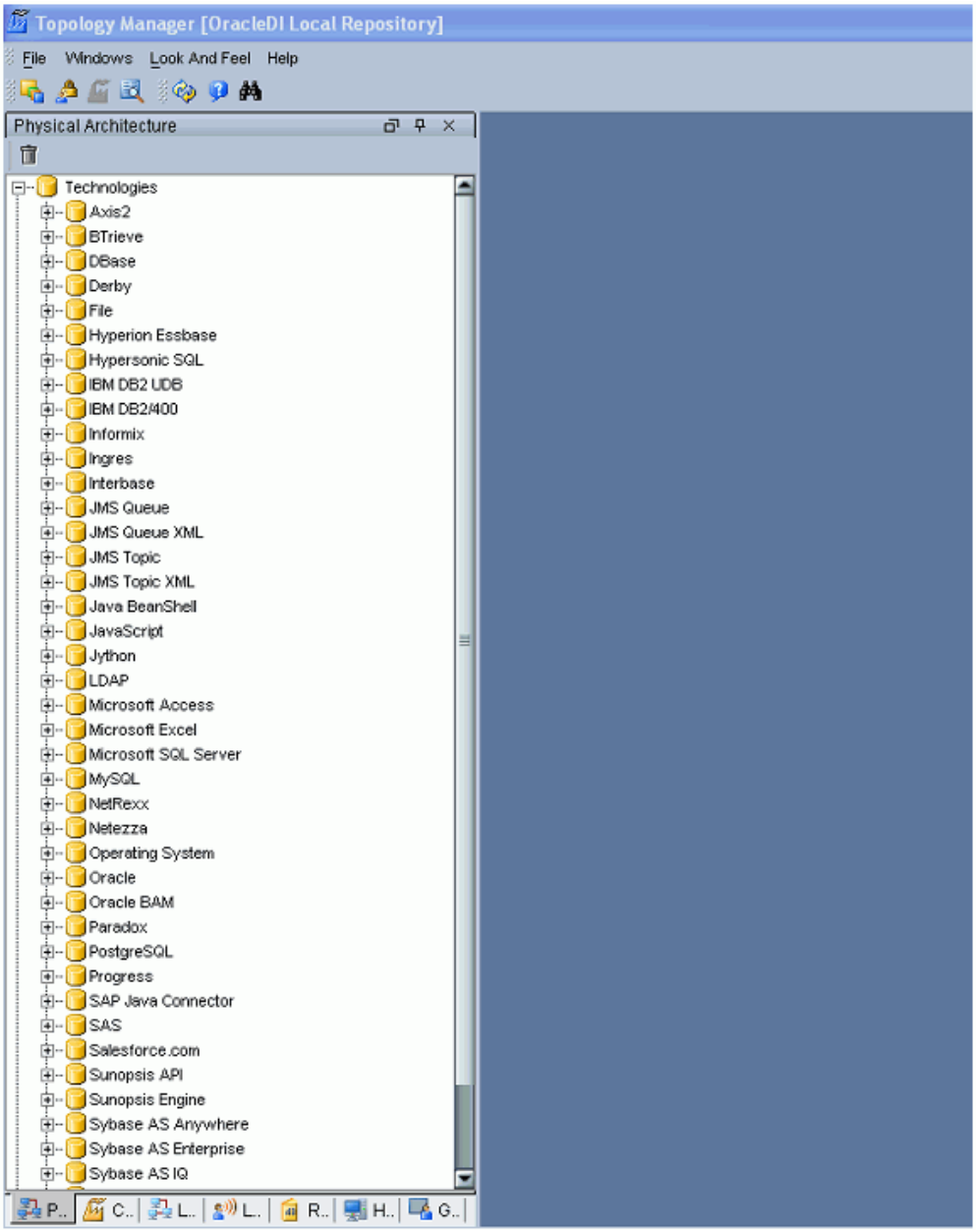
For further details related to ODI, you can refer to the documentation Library which is available with the ODI Install. You can find it in the file oracledi\doc\index.htm of your ODI home directory.

Steps to Install the ODI:

Step 1: Create a Master Repository and a Work Repository.

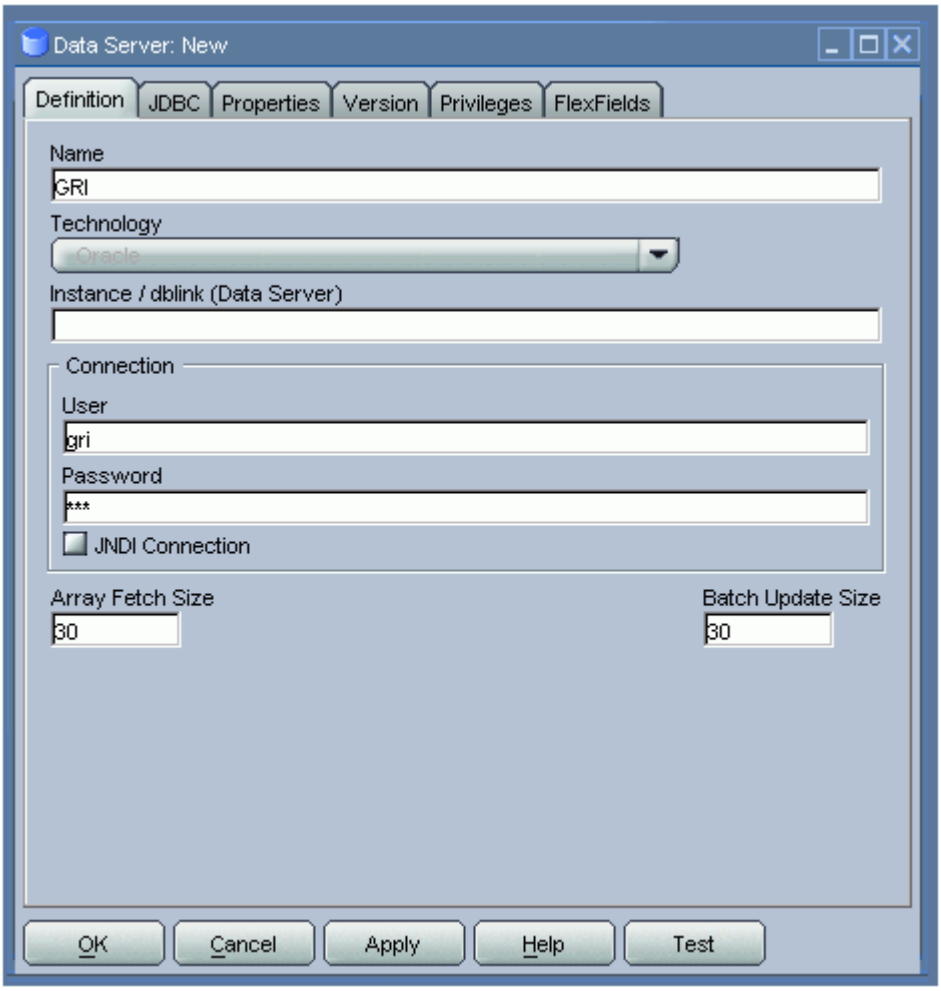
Step 2: Create a Physical Connection.

1. Login to the Topology Manager, Switch to the Physical Architecture tab:



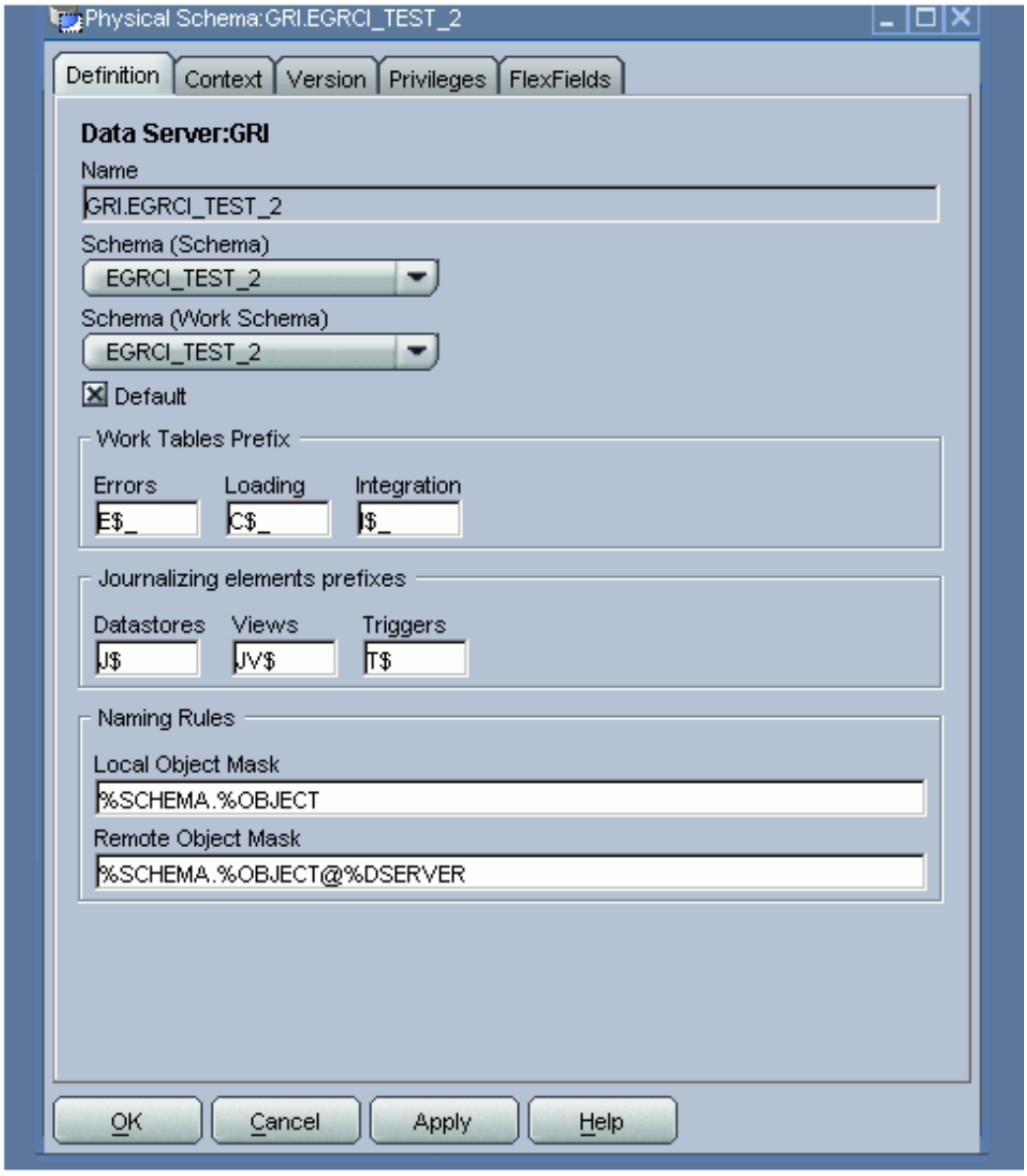
2. Expand "Oracle" Physical Technologies and create the Data server for:

- the target GRI schema;
- the source EGRCM schema;
- the LDAP schema.

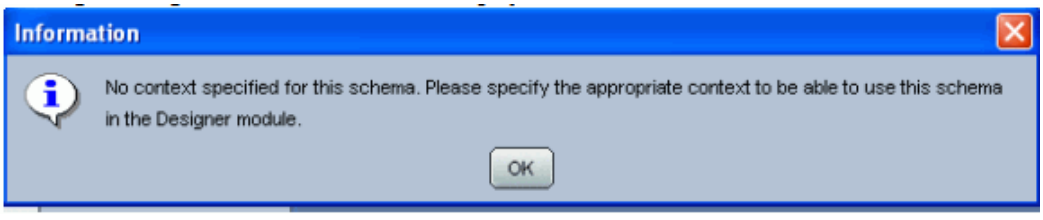


Note: The LDAP schema connection steps appear in the documentation following this section.

Once the data server information is stored, insert the schema details for the target schema.



Once you will save the Physical Schema information, you will get a Popup message asking for the "Context" for the physical schema, as shown.

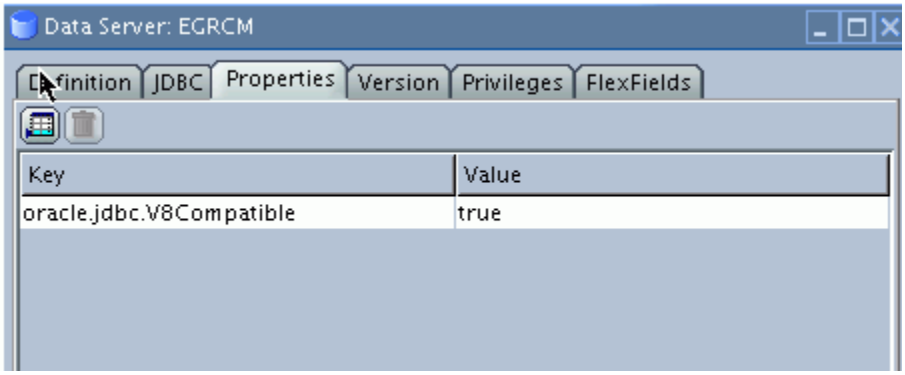


Click OK and proceed.

Additionally, you may perform the above steps to create a schema for the source

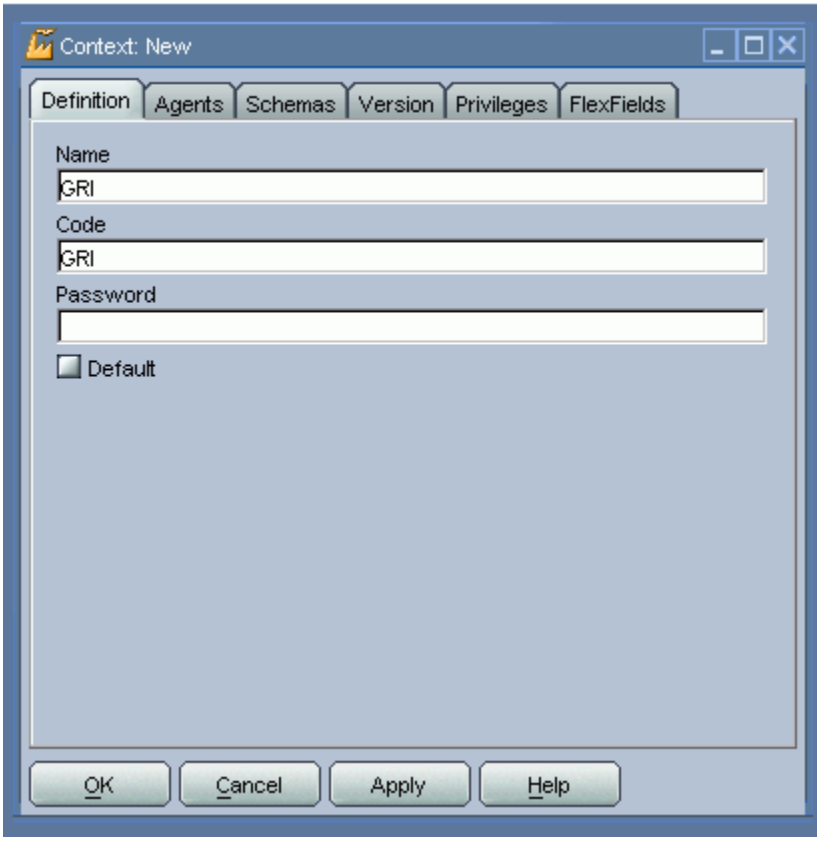
EGRCM connection.

Important: In the physical connection set the Property oracle.jdbc.V8 Compatible to true.



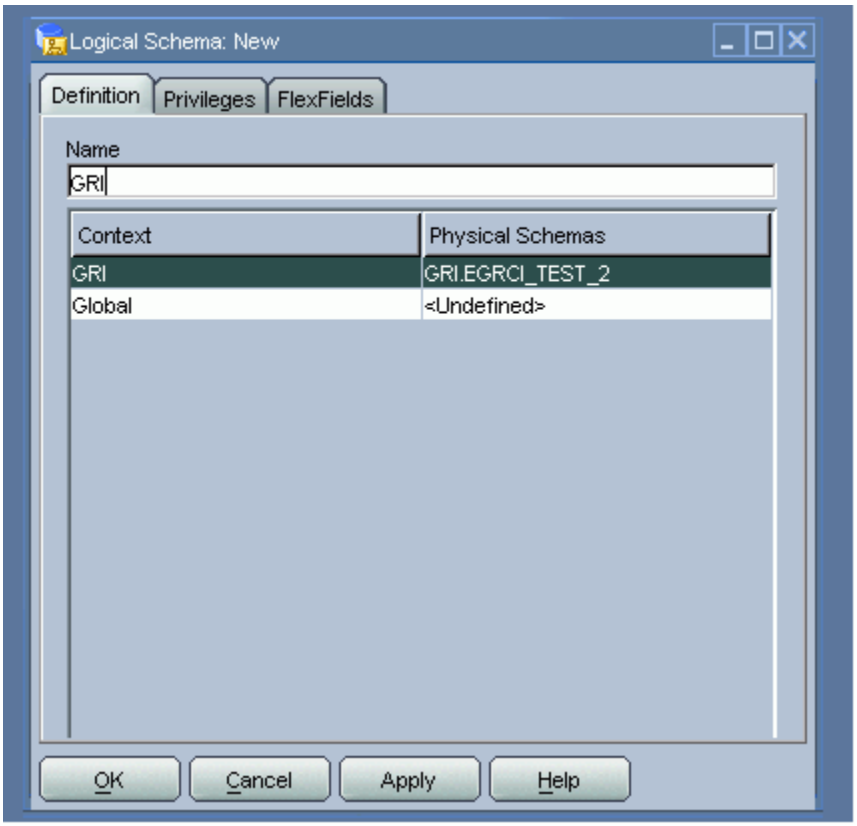
Step 3: Create a Context.

In the "Topology Manger", switch to the Context tab and Insert a new context (right click and insert context).



Step 4: Create a Logical Schema.

In Topology Manager, switch to "Logical Architecture" tab, under "Oracle Technologies" select "Insert Logical Schema", here specify the name as "**GRI**" and choose the appropriate physical schema (as created in Step 2) for the Context created (created in Step 3).



In addition, you must create two other Logical Schemas:

1. **Oracle Logical Schema** for the source (Name the schema "**EGRCM**".)

2. **Generic SQL Logical Schema** which will cater to the LDAP or any other type of database. (Name the schema "**GEN_SRC**").

Make the required connections between the Logical schemas and the physical ones in the context defined.

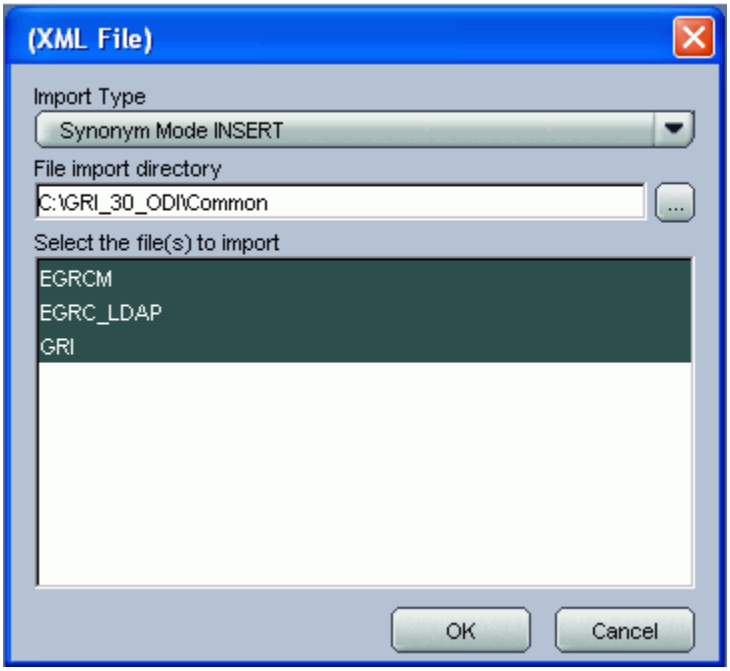
> **Note:** Generic SQL Logical schema GEN_SRC should be pointing to EGRCM source and also Oracle Logical Schema created for source should point to the EGRCM source in the context created.

Step 5: Import the Models.

Login to the Designer, Right click on the Models tab and select Import Model and import the .xml files supplied in**GRI_30_ODI/COMMON/**.

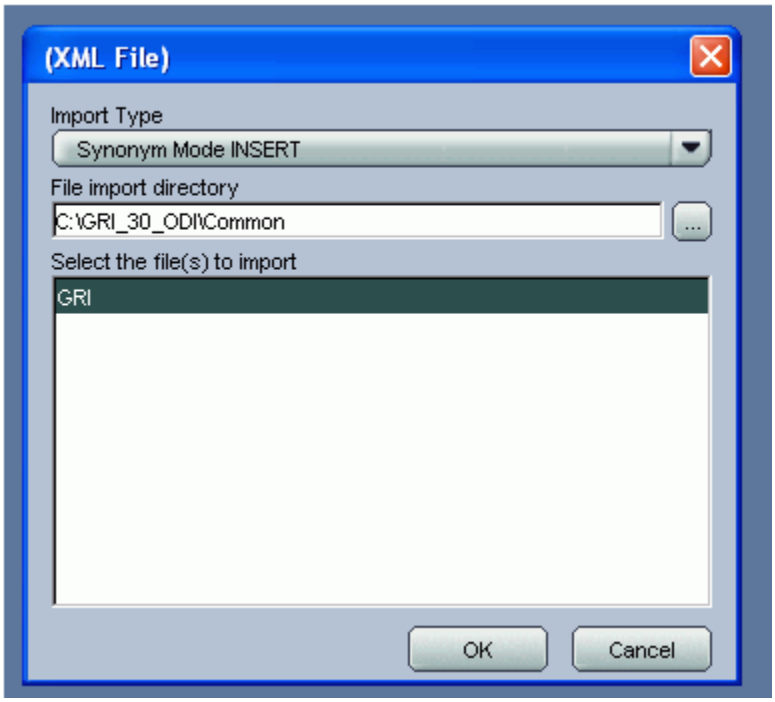
There will be three model files available:

1. EGRCM
2. GRI
3. EGRC_LDAP



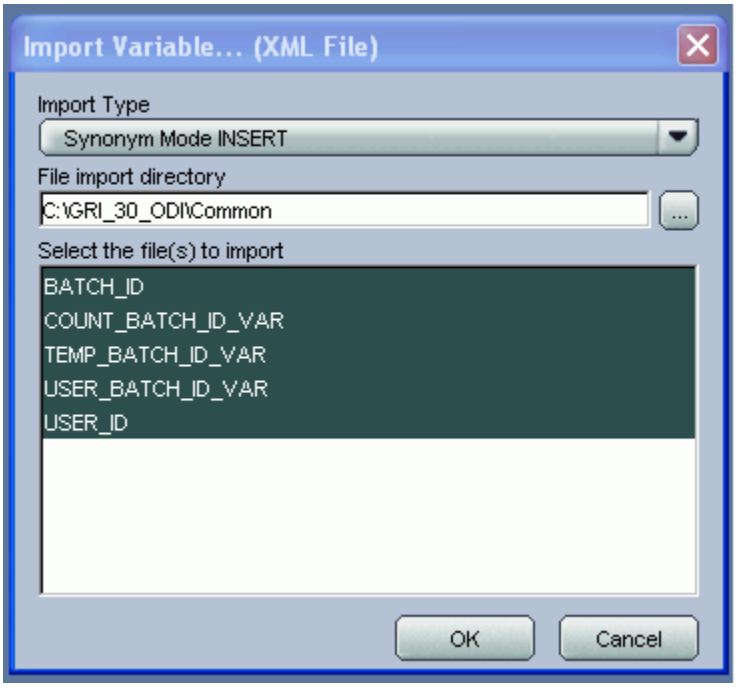
Step 6: Import Project (without child).

Import the Project file (GRI) provided with the "INSERT" mode. The project file does not have the child components of the project.



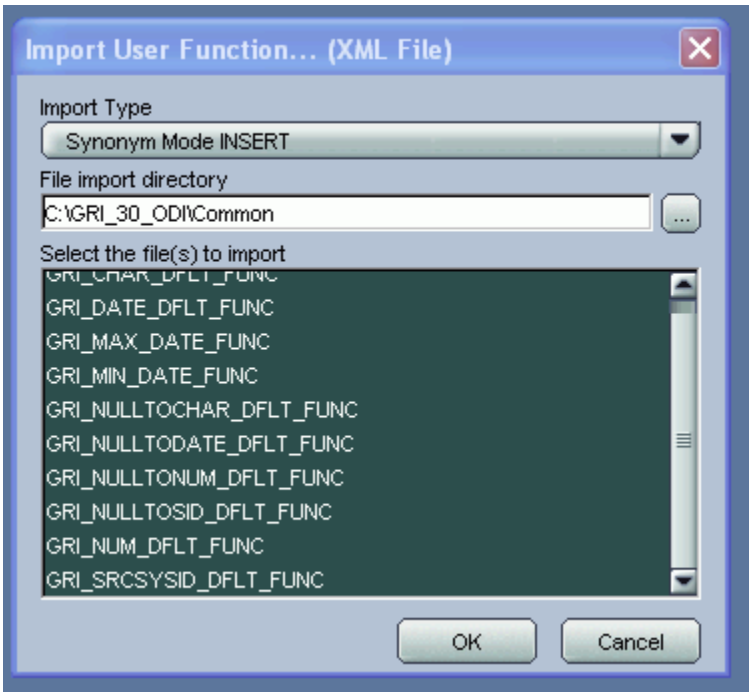
Step 7: Import the Project Variables.

Import the variables into the project also with the "INSERT' option.



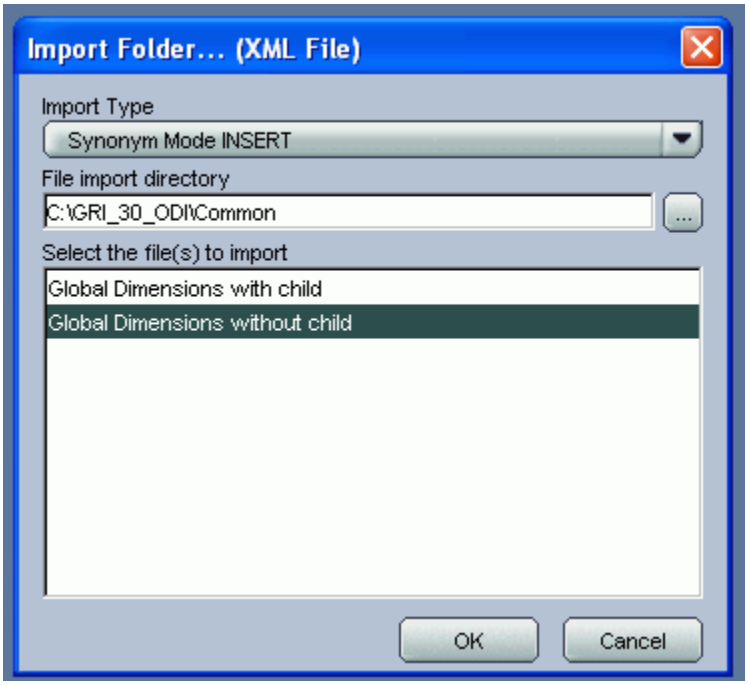
Step 8: Import the User Functions.

Import the User Functions also in the "INSERT" mode.



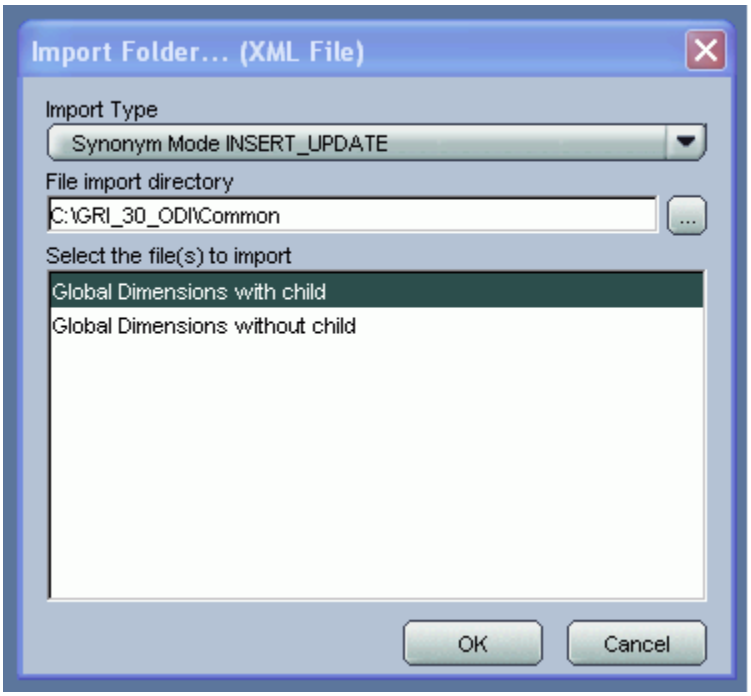
Step 9: Importing the Folder - Global Dimensions.

Import the Folders provided (Global Dimensions) without the Child component with " INSERT" mode.



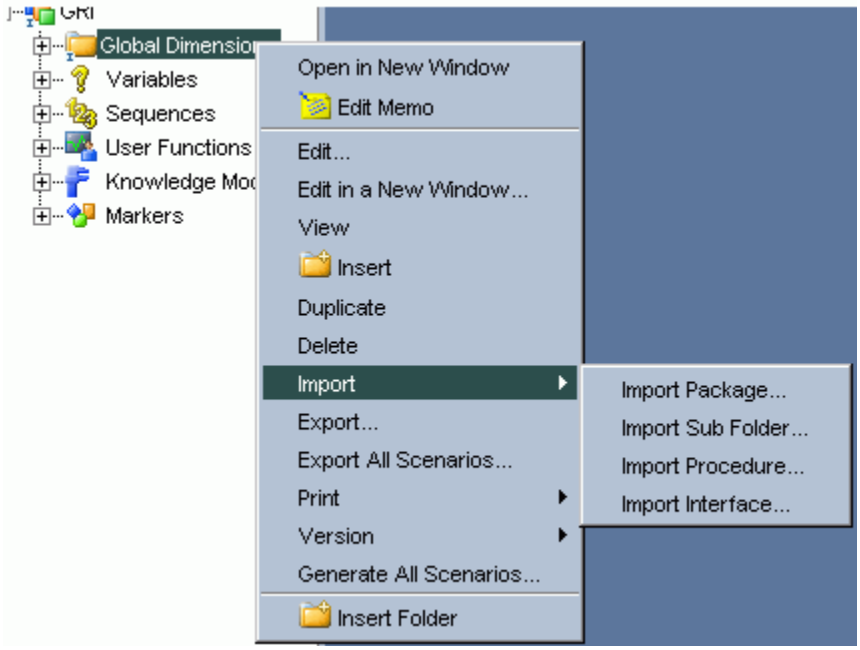
Step 10: Import the Folder (with the child components).

Import the folder (Global Dimensions) with child with option with the " INSERT_UPDATE" option.



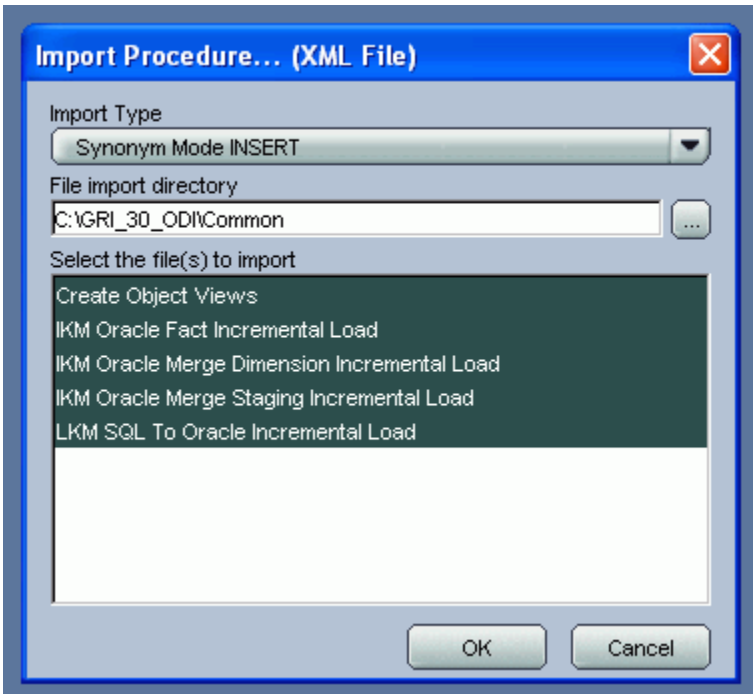
Step 11: Import the Knowledge Modules.

Right Click any folder imported and select "Import Procedure".

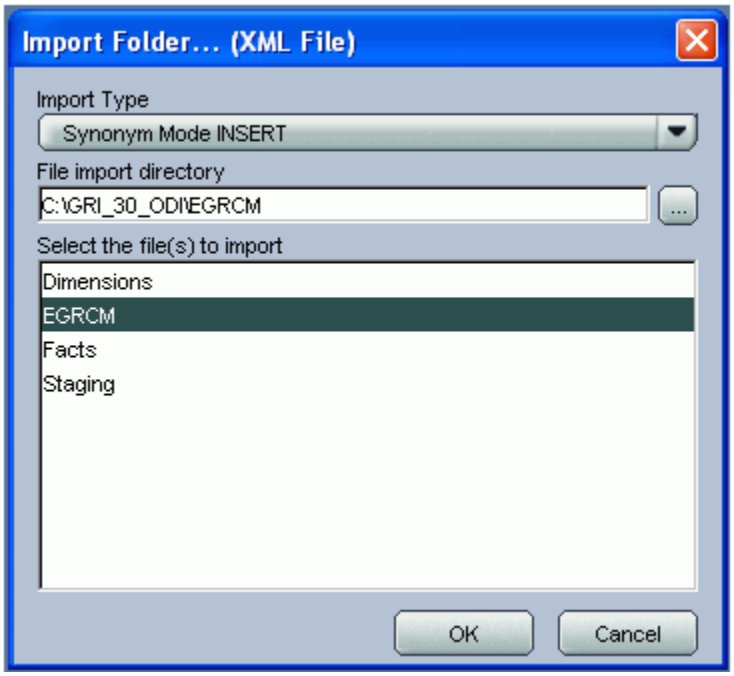


Import the Knowledge Modules:

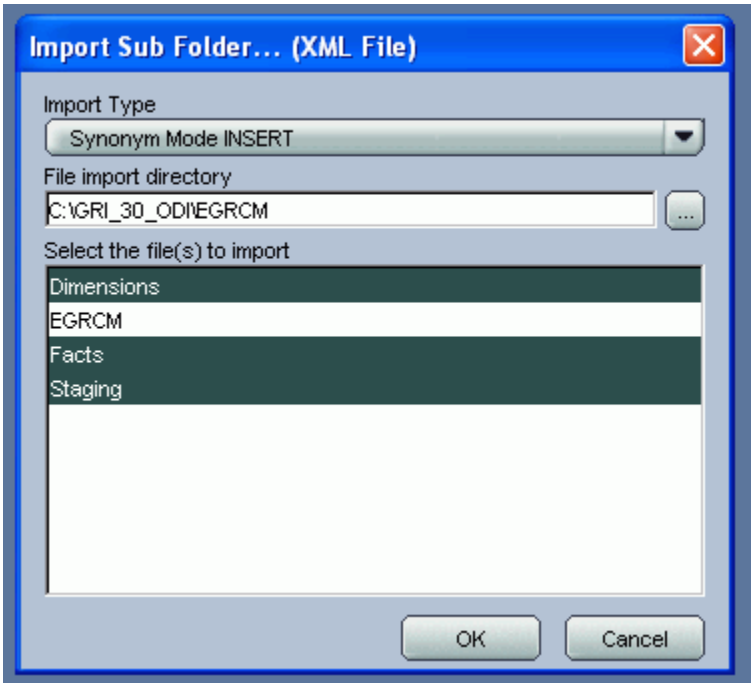
1. Create Object Views
2. IKM Oracle Fact Incremental Load
3. IKM Oracle Merge Dimension Incremental Load
4. IKM Oracle Merge Staging Incremental Load
5. LKM SQL To Oracle Incremental Load



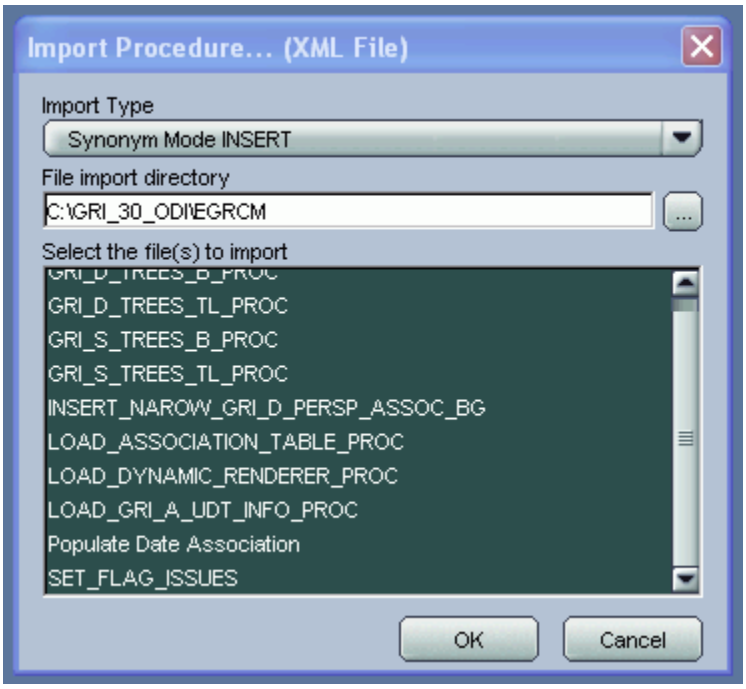
Step 12: Import EGRCM folder without child components available in GRI_30_ODI/EGRCM.



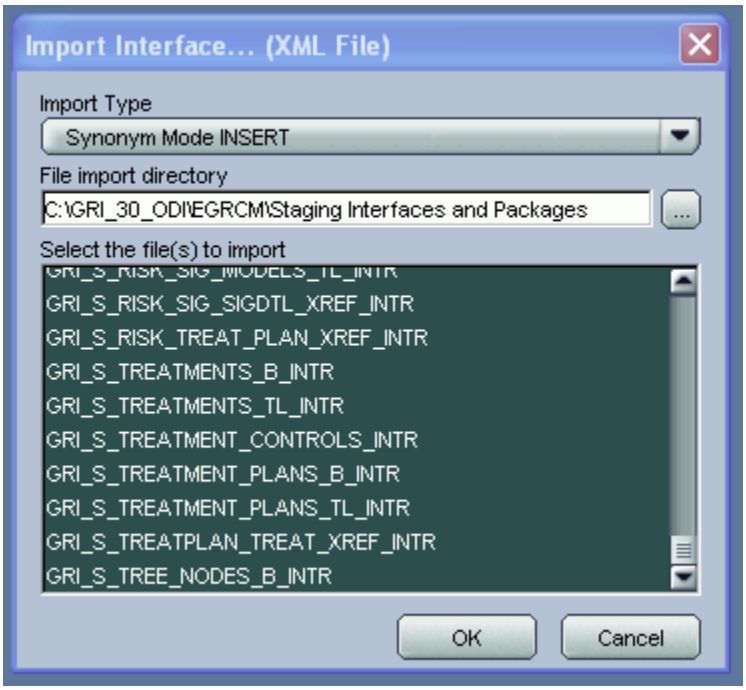
Step 13: Import the sub folder (Staging, Dimensions and Facts).



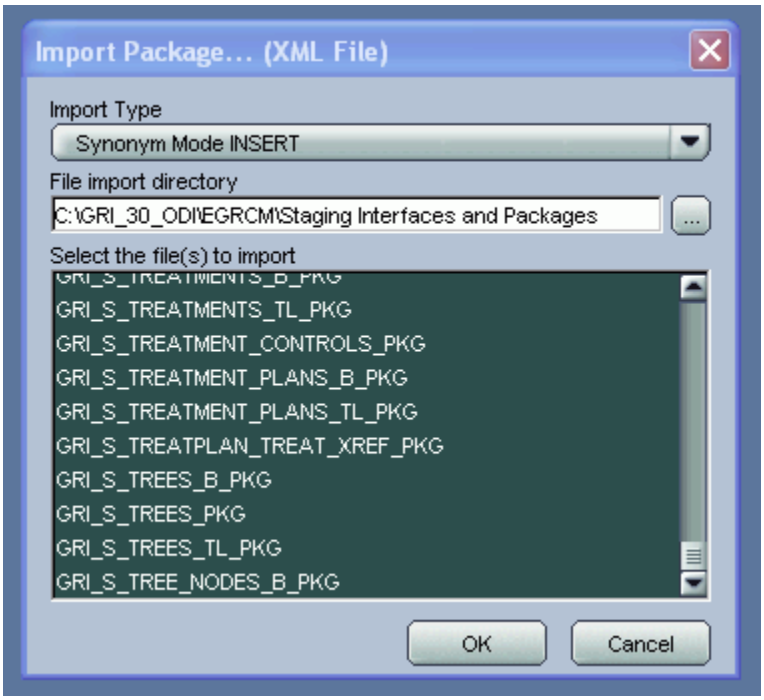
Step 14: Import the procedures available in GRI_30_ODI/EGRCM.



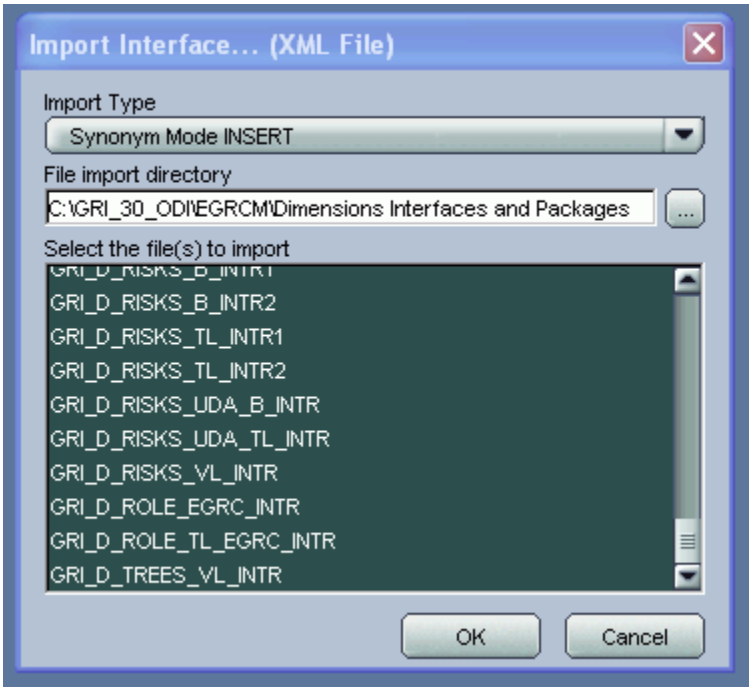
Step 15: Import the Interfaces for the sub-folder Staging from GRI_30_ODI\EGRCM\Staging Interfaces and Packages.



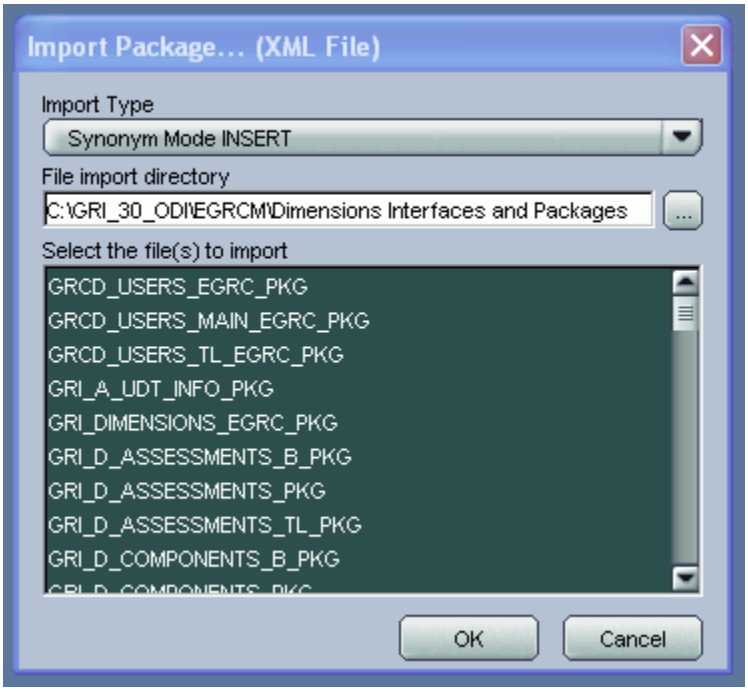
Step 16: Import the Packages for the sub-folder Staging from GRI_30_ODI\EGRCM\Staging Interfaces and Packages.



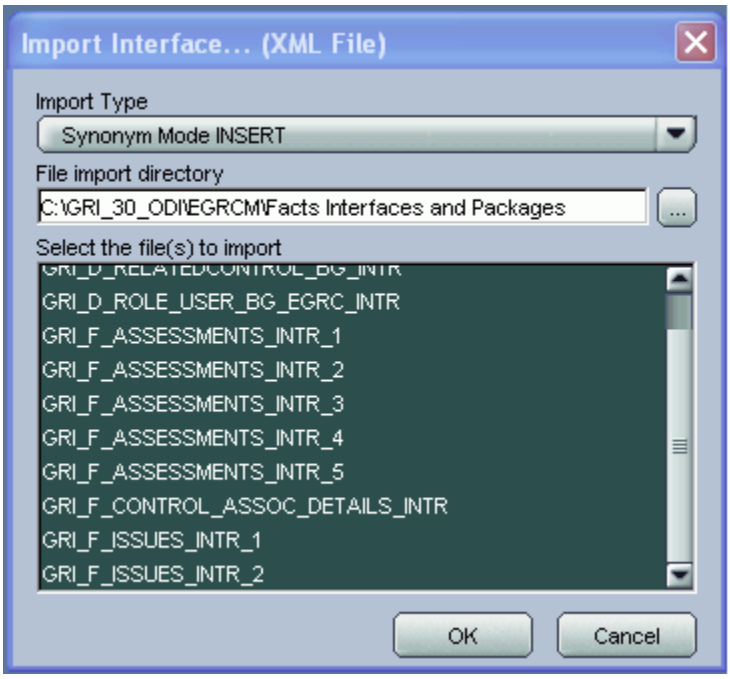
Step 17: Import the Interfaces for the sub-folder Dimensions from GRI_30_ODI\EGRCM\Dimensions Interfaces and Packages.



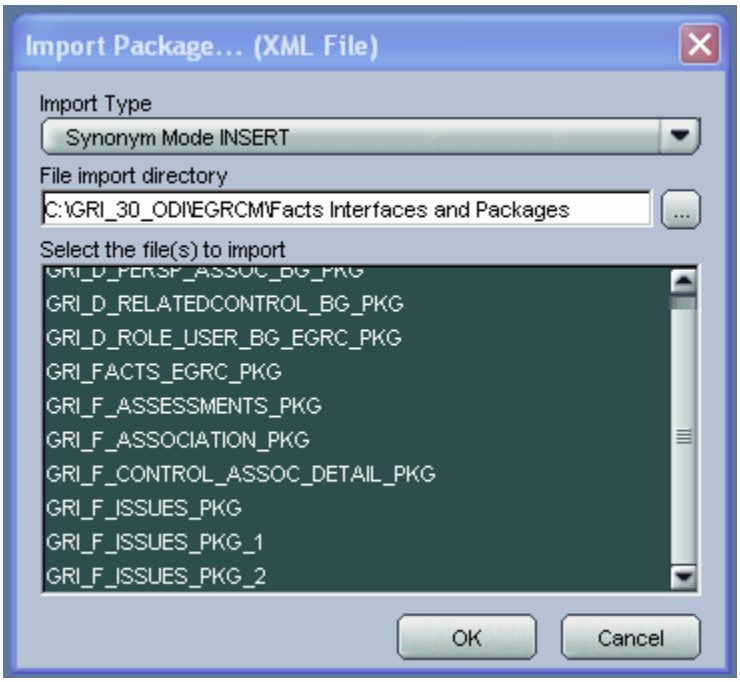
Step 18: Import the Packages for the sub-folder Dimensions from GRI_30_ODI\EGRCM\Dimensions Interfaces and Packages.



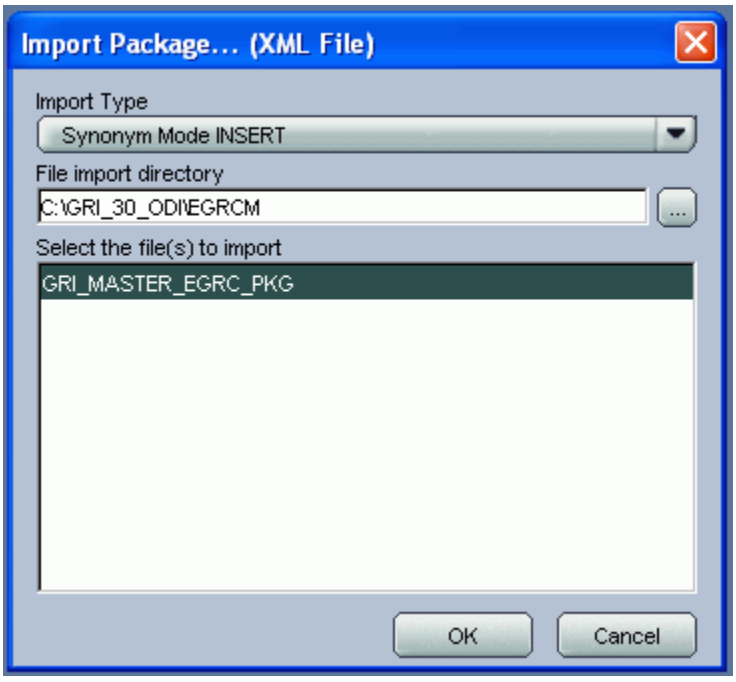
Step 19: Similarly import the interfaces for the sub-folder Facts from GRI_30_ODI\EGRCM\Facts Interfaces and Packages.



Step 20: Import the packages for the sub-folder facts from GRI_30_ODI\EGRCM\Facts Interfaces and Packages.



Step 21: Finally import the master package into the EGRCM folder from GRI_30_ODI/EGRCM.



Execute any interface/package to test that the import has worked properly.

Setting Up the LDAP Implementation

Steps for setting up the LDAP implementation for GRI_S_EGRC_USERS and GRI_S_EGRC_ROLE stage table population:

Step 1: Generate the encrypted LDAP password to be used in the LDAP connection, using the following command:

Example

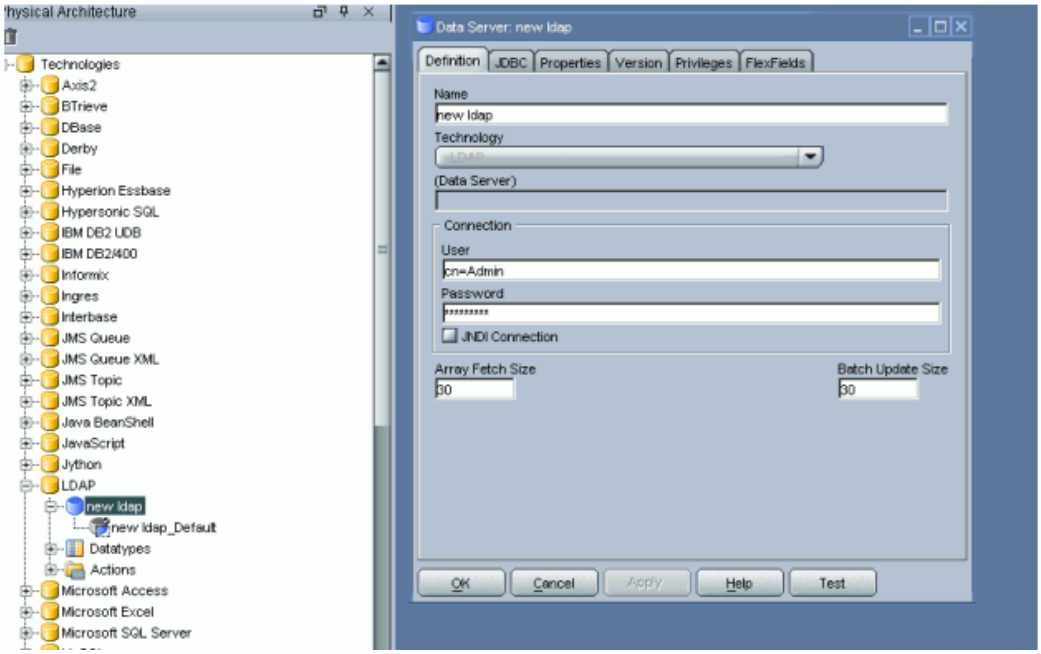
java -cp oracledi\drivers\snpsldapo.jar com.sunopsis.ldap.jdbc.driver.SnpsLdapEncoder <enter password here>

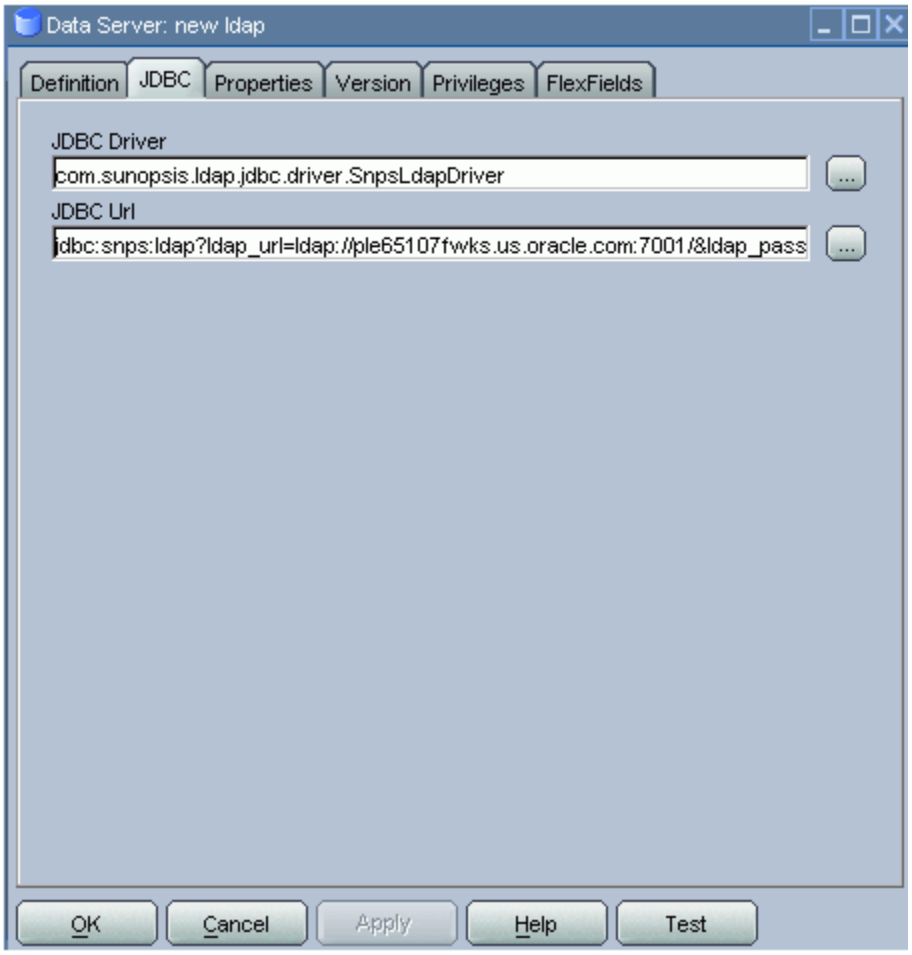
Reference used:

<enter password here>: Enter the LDAP password, which you will be use for the LDAP connection with ODI.

Step 2: Place the Aliases.txt at a location on the ODI server, e.g. C:\Aliases.txt, in the ETL folder.

Step 3: Create a new database LDAP connection, as shown below. Please name the new connection as follows: EGRC_LDAP





Specify the URL (see example of URL below):

jdbc:snps:ldap?ldap_url=ldap://**host:port**/&ldap_password=**ENCRYPTEDPASSWORD** &ldap_basedn=dc=base_domain&ab=**C:/Aliases.txt**

References used:

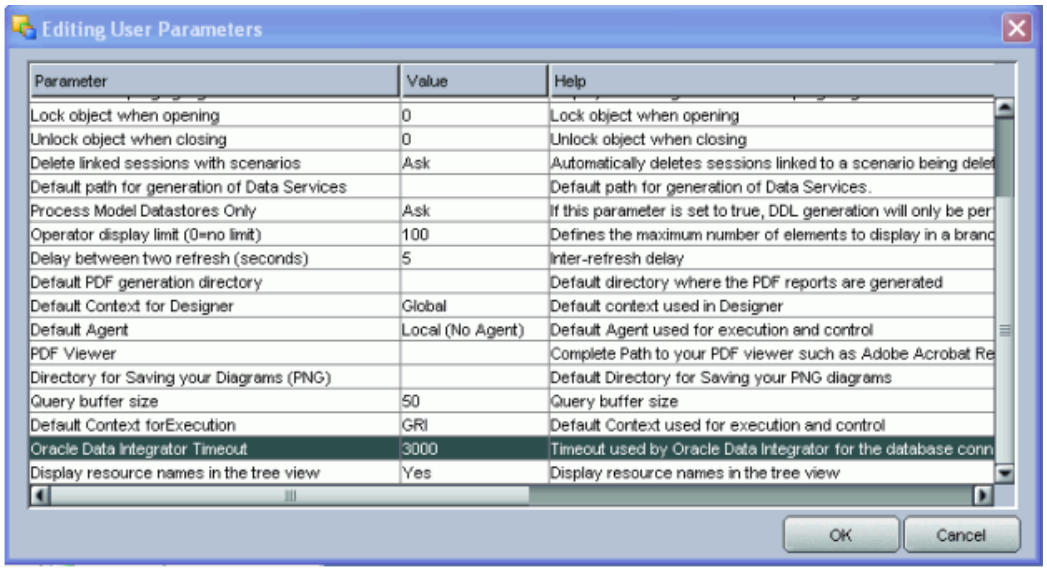
Host:port: The location of the LDAP server.

ENCRYPTED PASSWORD: The encrypted password generated in Step 1.

C:/Aliases.txt: Specify the location of the Aliases.txt file on the server.

Step 4:

In your designer ODI Tool, you open User Parameters and set the timeout connection to a higher value, as shown in the example below; you specify a value high enough so that the connection does not time out.



Step 5:

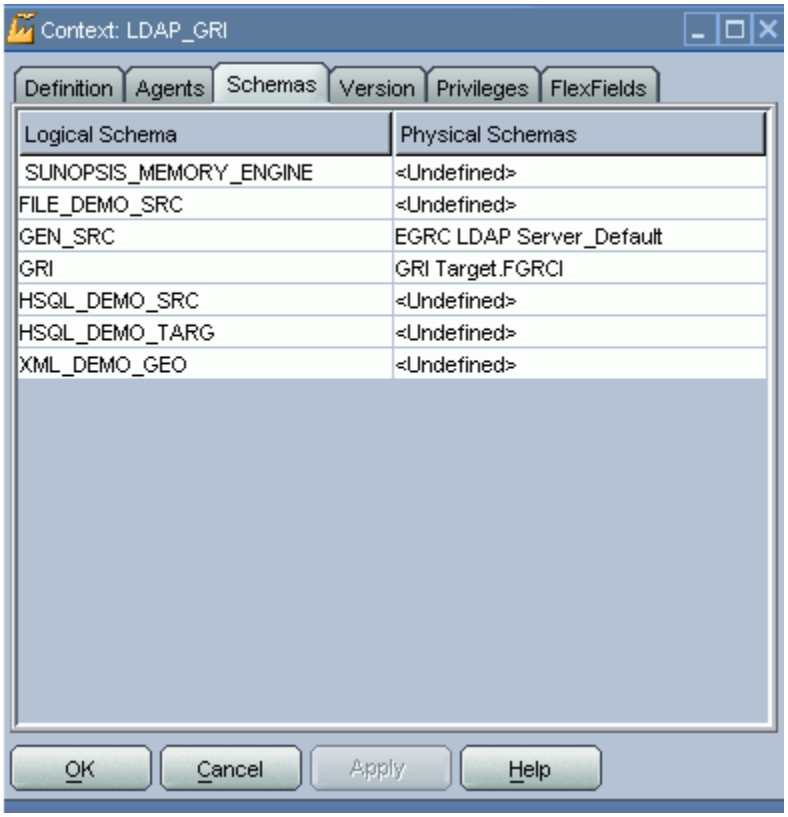
In the database, create a row in the GRI_A_SRC_CTX_TBL, as:

Insert into GRI_A_SRC_CTX_TBL values ('**EGRC**','LDAP_GRI');

Here, instead of EGRC place the value of the SRC_SYS_ID that you used for the EGRCM in GRCI.

Step 6:

Create a context named LDAP_GRI. And attach the physical LDAP connection created in the step 3 to GEN_SRC logical connection in ODI (See example screen shot).



Installing OBIEE Reports

The GRI_30_OBIEE.zip contains the following files:

- GRCDiagnostic.zip
- GRCDWebcat.zip
- logoncontrolmessages.xml
- productmessages.xml
- bg_banner.JPG

These files contain the repository, web-catalog and two xml files and an image file (to be used for branding the product). The files will be used in the steps below to install the repository and reports-dashboards respectively.

1. After you successfully install OBIEE, extract the delivered zip file GRCDiagnostic.zip. Place the GRCDiagnostic.rpd file in the C:\OracleBI\server\Repository folder.

2. In the C:\OracleBI\server\Config folder, edit the NQSConfig.INI file. Enter the

name of the RPD file after "Star =" in the [REPOSITORY] section.

3. Place the GRCDWebcat.zip file in the C:\OracleBIData\web\catalog folder and unzip the file. The GRCDWebcat folder now appears in the Catalog folder.

4. In the C:\OracleBIData\web\config folder, edit the instanceconfig.xml file. Enter OracleBIData\web\config folder, edit the instanceconfig.xml file. Enter the path of the GRCDWebcat folder in between the tags.

5. Create the TNS entry to point to your GRCI schema in Oracle home directory.

6. Open the GRCDiagnostic.rpd in the Oracle BI Administration Tool and go to the Variable Manager under the Manage > Variables menu.

7. Update the GRI_DSN variable with the name of the TNS entry name.

8. Update the GRI_USER_ID with the database user ID.

9. Open the properties window for 'GRC Diagnostics > GRCI Connection Pool' in the Physical layer and provide the password for GRCI schema.

10. Save the changes in the Oracle BI Administration Tool.

11. Replace the xml and image file delivered as part of GRI_30_OBIEE.zip as mentioned below:

    - File "**bg_banner.jpg**" present in location \oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\b_mozilla_4\ is to be replaced with the file "bg_banner.jpg" available as part of delivered zip.

    - File "**productmessages.xml**" present in location \web\msgdb\l_en\messages\ to be replaced with the file "productmessages.xml" available as part of delivered zip.

    - File "**logoncontrolmessages.xml**" in location \web\msgdb\messages\ to be replaced with the file "logoncontrolmessages.xml" available as part of delivered zip.

      This would enable the product name during logon and background image for dashboards.

12. Restart the Oracle BI Services.

13. Log into the OBIEE using this URL: http://<localhost>:<TCPport>/analytics, where <localhost> is the name of the machine or the IP address where OBIEE is installed, and <TCPport> is the Web Site TCP Port number.

14. The OBIEE login page loads.

15. The installation is now complete.

3

Installing Oracle Governance, Risk and Compliance Intelligence 3.0 for AACG 8.5

Overview

This chapter describes the steps necessary to install, configure and populate a GRCI 3.0 datastore sourced from AACG 8.5. The following section lists some scripts that need to be executed to create setup tables and load configuration data into the GRCI 3.0. datastore. The subsequent sections cover the installation of ODI projects, OBIEE reports, and an optional OAM based security integration.

Installing Oracle AACG Scripts

This section lists some scripts that need to be executed in order to create setup tables and load configuration data. The subsequent sections cover installation of ODI projects, OBIEE reports, and an optional OAM based security integration.

Steps to run the scripts for creation of the target and config tables. If you are installing GRC Intelligence Release 3.0 for Enterprise GRC Manager and AACG, then AACG Scripts Installation should be completed first, followed by the Enterprise GRC Manager Scripts Installation.

Execute the scripts provided in the following order:

> **Note:** Since some of the scripts contain Unicode characters, they might show errors when opened in Oracle clients like SQL developer. To avoid this, open the scripts in textpad or notepad, then copy and paste the scripts into Oracle client to compile them.

1. **CreateTable.sql:**

   Drops and recreates the target tables, along with the sequences and index.

2. **CreateConfigTables.sql:**

   Drops and recreates the configuration tables.

3. **CreateViews.sql:**

   Creates the views for the tables.

4. **Load the seed/localization data:**

   The process for loading the dlf files using transx utility is detailed in the **Appendix F: Uploading dlf files to the Database using Transx**.

   Use the above method to load all of the files that are a listed below:

   - GRI_A_LOOKUP_TL_us.dlf
   - GRI_A_NA_NF_TL_us.dlf
   - GRCD_TIME_TRANSLATION_zh_tw.dlf
   - GRCD_TIME_TRANSLATION_zh.dlf
   - GRCD_TIME_TRANSLATION_pt_br.dlf
   - GRCD_TIME_TRANSLATION_ko.dlf
   - GRCD_TIME_TRANSLATION_ja.dlf
   - GRCD_TIME_TRANSLATION_it.dlf
   - GRCD_TIME_TRANSLATION_fr.dlf
   - GRCD_TIME_TRANSLATION_es.dlf
   - GRCD_TIME_TRANSLATION_de.dlf
   - GRCD_TIME_TRANSLATION_da.dlf

5. **InsertData.sql:**

   Inserts (-1/-2) rows into dimension tables and also loads the seed data into the config tables (GRI_A_LOOKUP, GRI_A_LOOKUP_TL, GRI_A_DW_CONFIG_TBL and GRI_A_SRC_SYSTEM_INFO)

   > **Note:** When GRCI-AACG security integration implementation is required, update AACG host and port information in SOURCE_URL column of GRI_A_SRC_SYSTEM_INFO table. Use SET DEFINE OFF to suppress substitution value.

6. **InsertTIME.sql:**

   This sql file creates the TIME_Load_pkg package containing the procedures Load_GRCD_TIME_D and LOAD_GRCD_TIME_TL, used to load the Time dimension tables namely GRCD_TIME_D and GRCD_TIME_TL.

7. **ExecuteTIME.sql:**

   Execute the CreateTIME and InsertTime package to insert data into the GRCD_TIME_D and GRCD_TIME_TL tables.

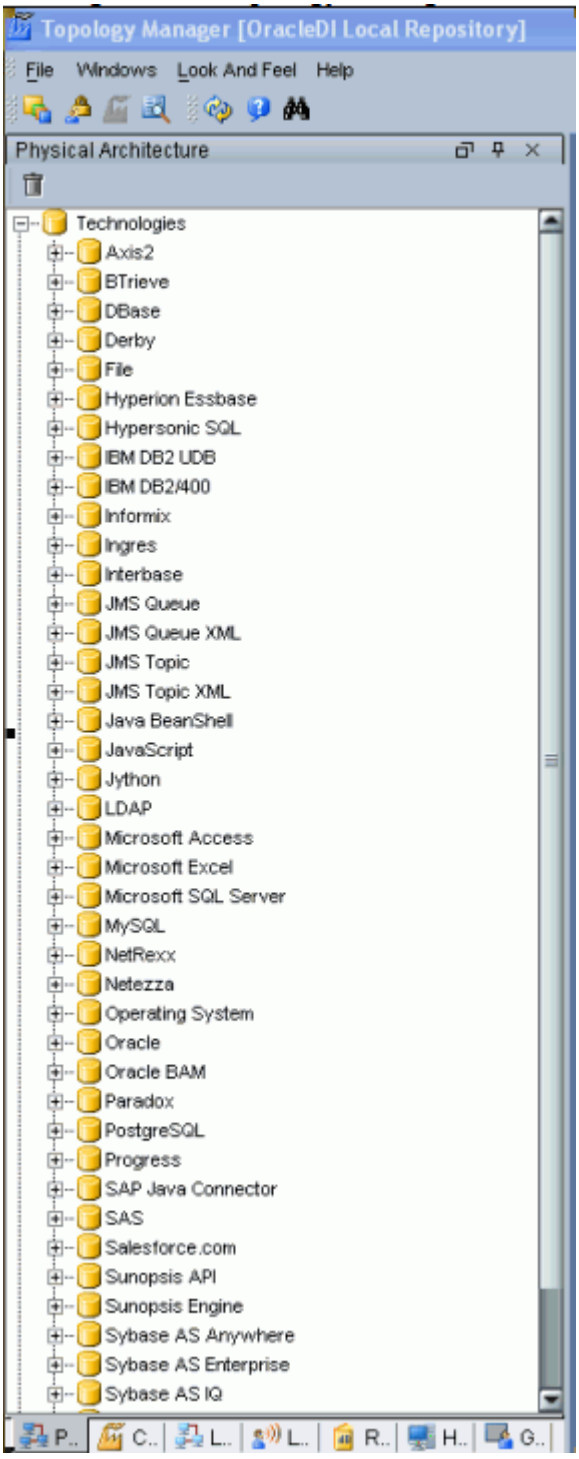
Installing ODI Code

The following steps describe the process used by ODI to extract the data from the staging tables populated by AACG data services, and then transforming and loading the data into GRCI datastore.

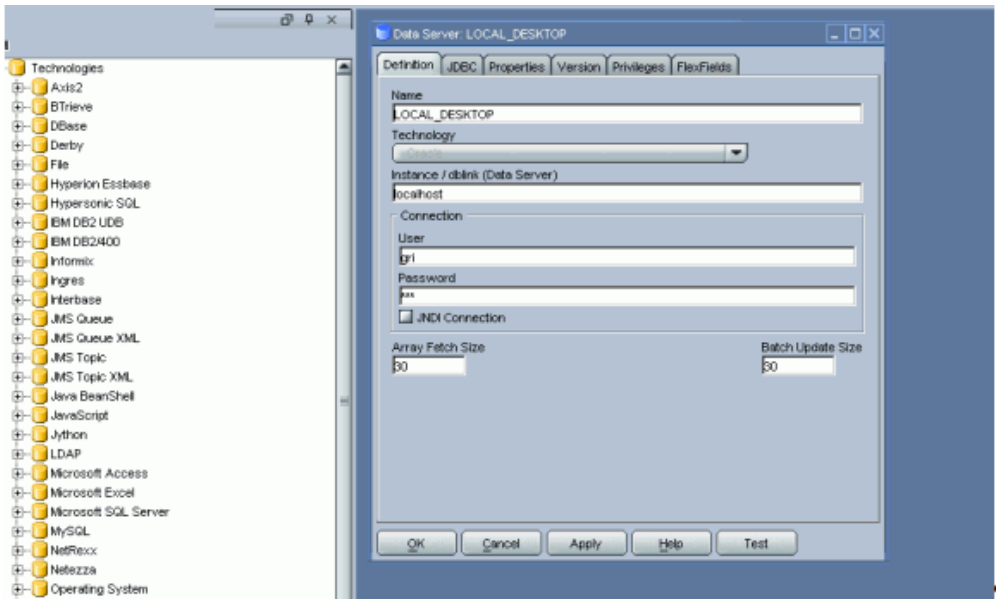
1. **Create a Master Repository and Work Repository.**

2. **Create a Physical Connection:**

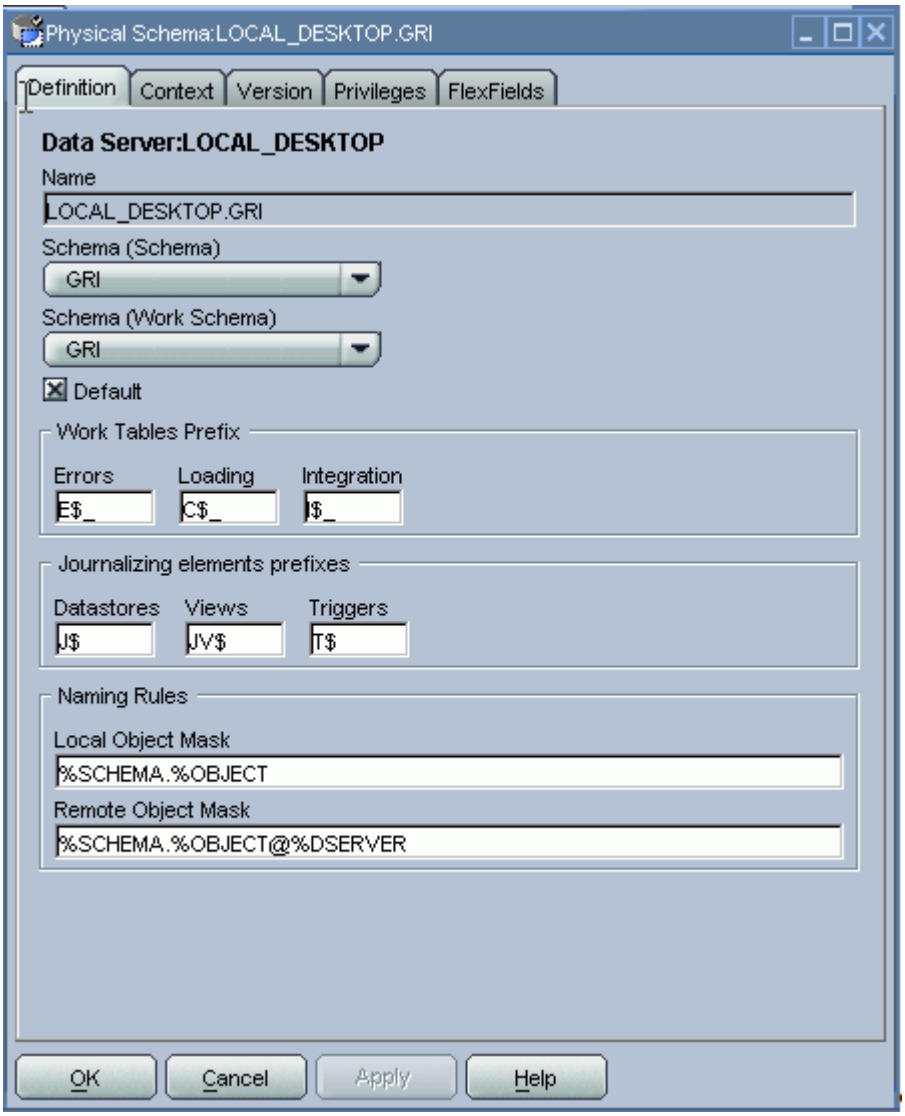
   Step 1: Login to the Topology Manager, switch to the Physical Architecture tab:



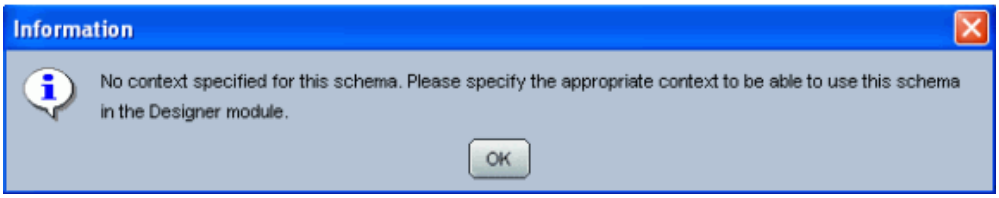
Step 2: Expand "Oracle" Physical Technologies and Insert a "New Data Server". Specify the details of the database where "GRI" schema is hosted. (In the JDBC tab provide the necessary information). Specify the login whose privileges will be used by the ETL processes.



Step 3: Once the data server information is saved, specify the "Insert Physical Schema" in the newly created data server, as shown (specify the "GRI" schema where GRI_% tables are stored as the physical schema in both Schema and Work Schema).

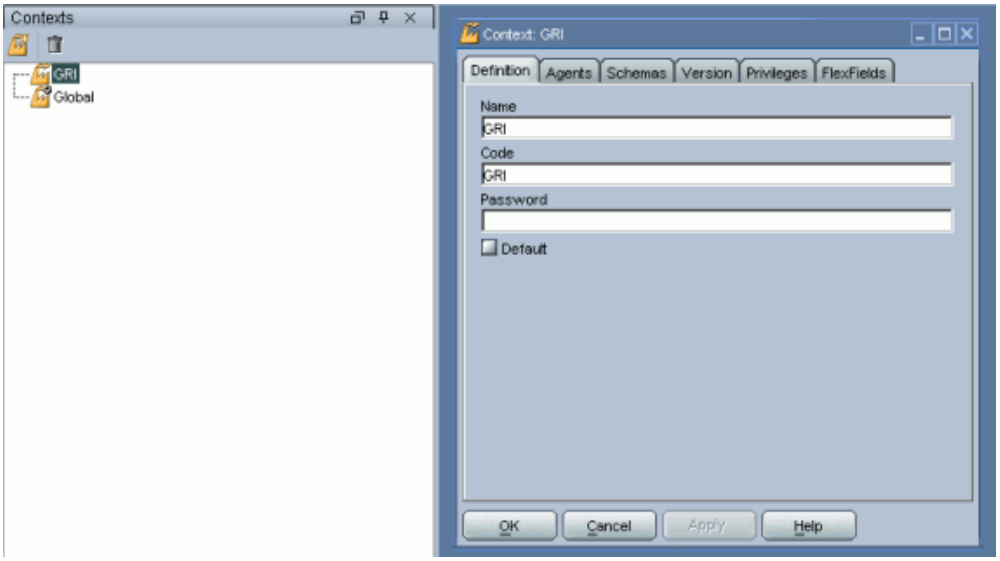


Step 4: Once you have saved the Physical Schema information, you will receive a Popup message asking for the "Context" for the physical schema, as shown.



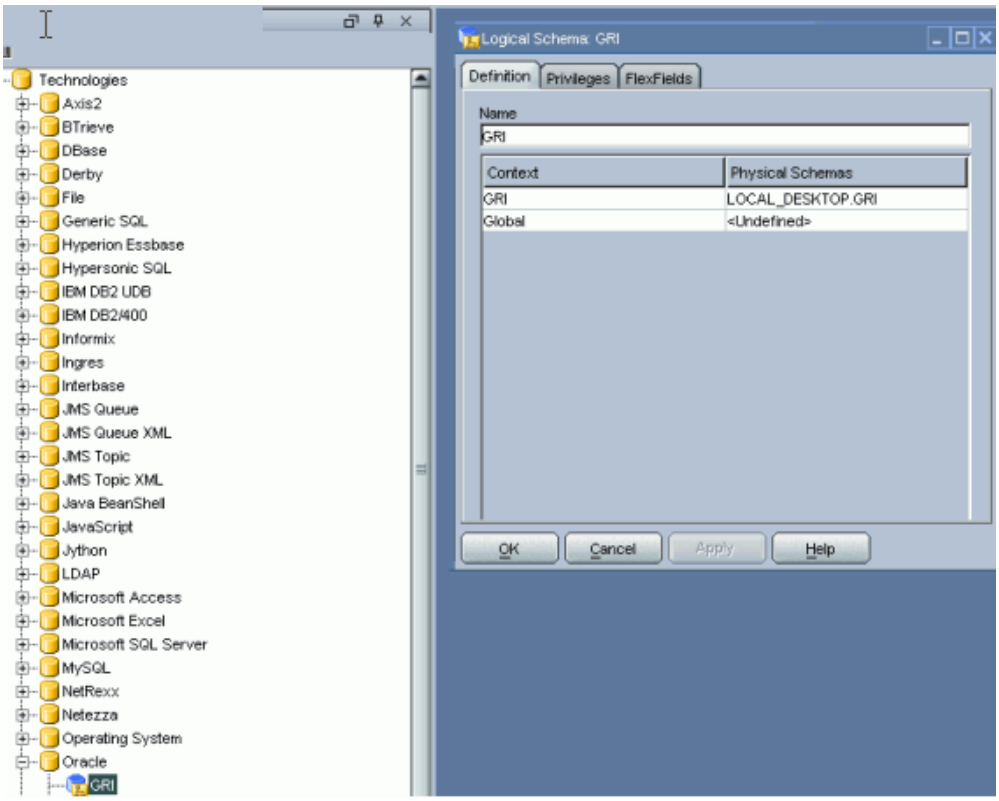
3. **Create a Context:**

In "Topology Manager", switch to the Context tab, and insert the new context (right click and insert context), as shown.



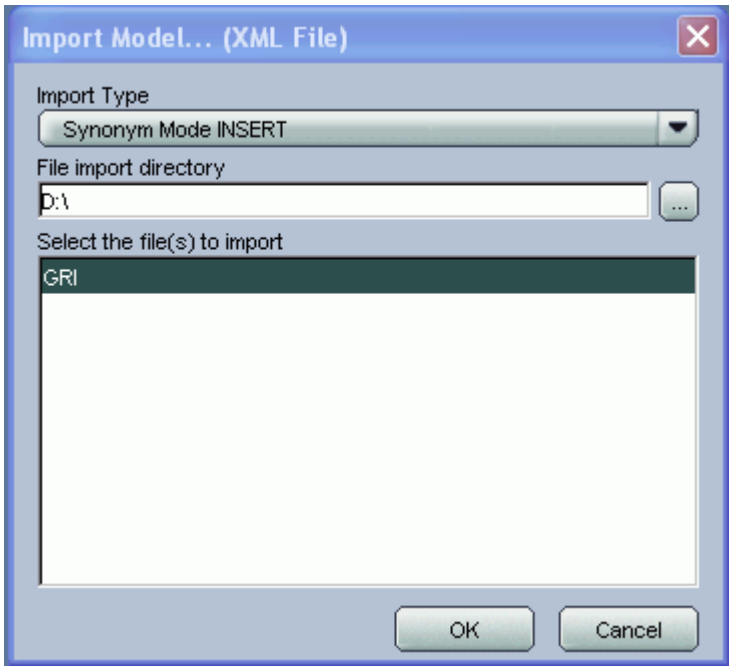
4. **Create a Logical Schema:**

   In Topology Manager, switch to the "Logical Architecture" tab, under "Oracle Technologies" select "Insert Logical Schema", specify the name as "GRI" and choose the appropriate physical schema (created in Step 1) for the Context created (created in Step 2), as shown.



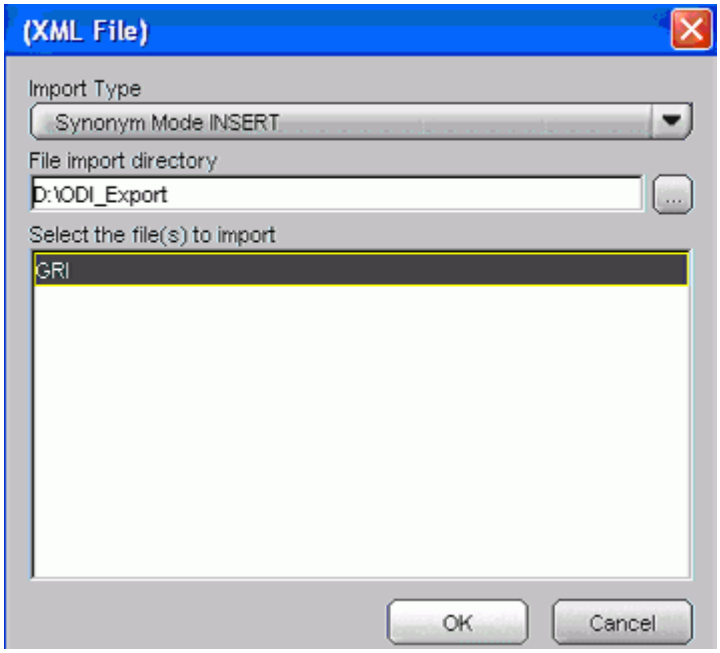
5. **Import Model:**

   Login to Designer, right click on the Models tab. Select Import Model and import the .xml file supplied, as shown.



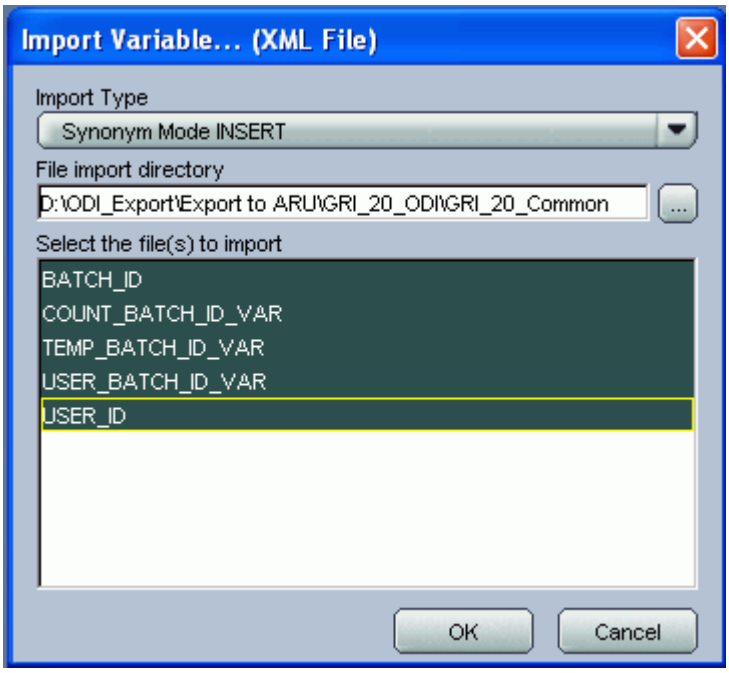
6. **Import Project (without child components):**

   Import the Project file provided with the "INSERT" mode. The project file does not import any child components into the project.



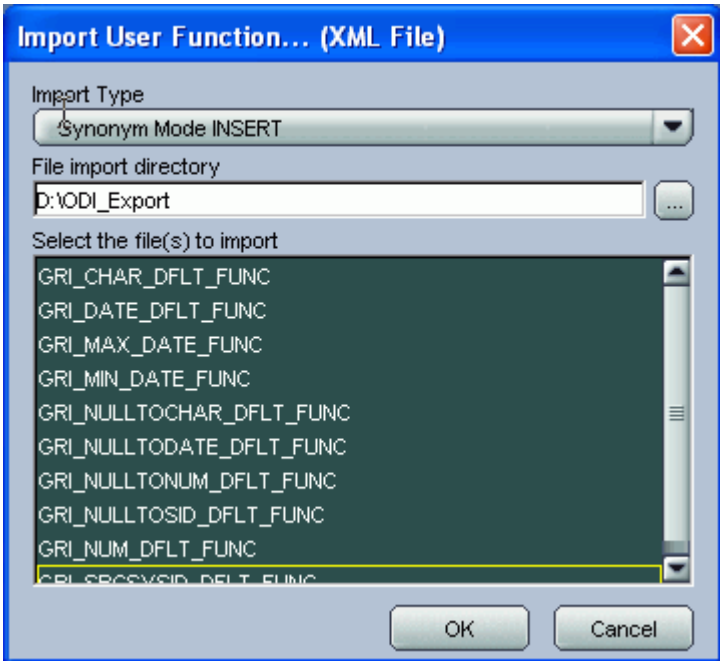
7. **Import Project Variables:**

Import the variables into the project with the "INSERT" option.



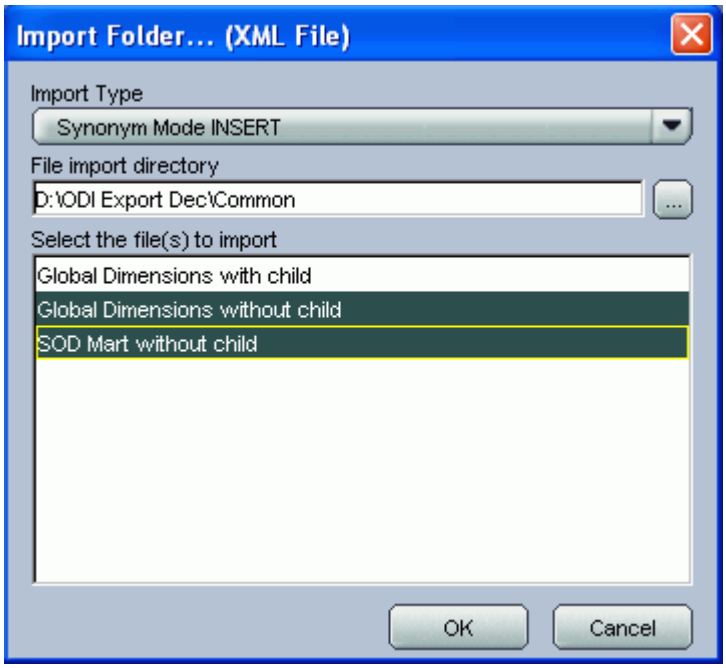
8. **Import User Functions:**

Import User Functions in the "INSERT" mode.



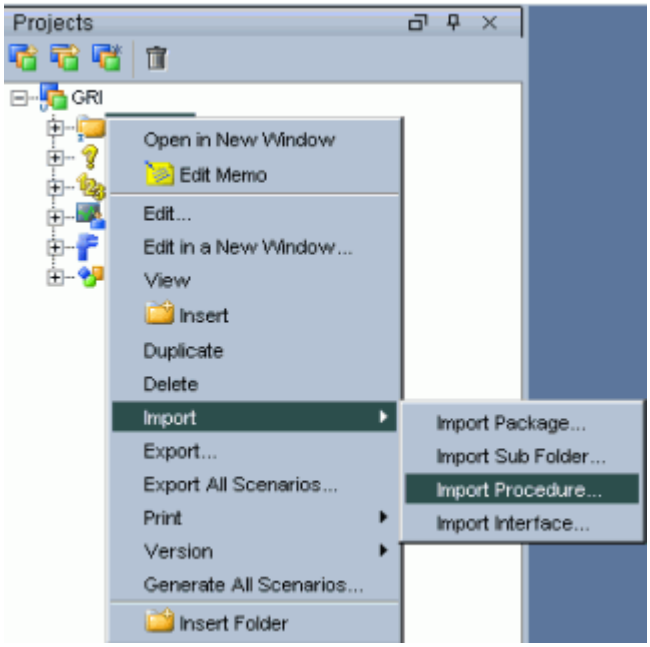
9. **Importing Folders:**

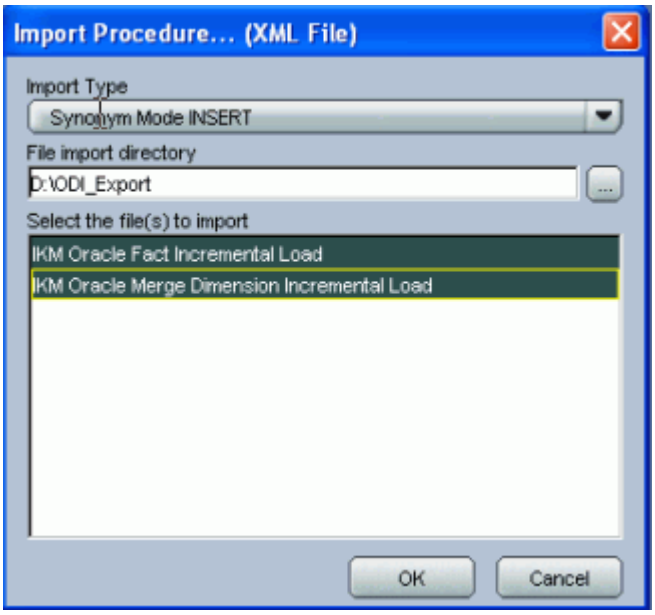
Import the Folders provided (SOD Mart and Global Dimensions) without the child component using "INSERT" mode.



10. **Import Knowledge Modules:**

Right click the imported SOD Mart folder, and select "Import Procedure".

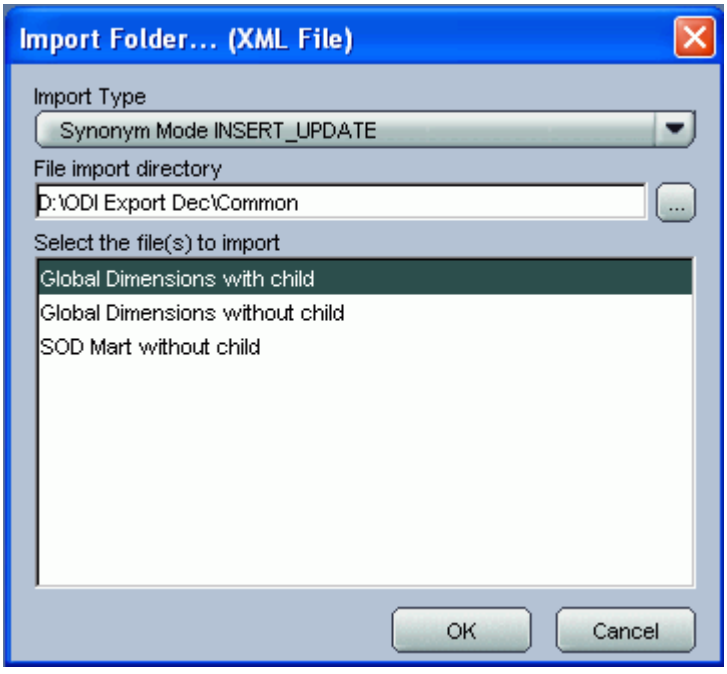




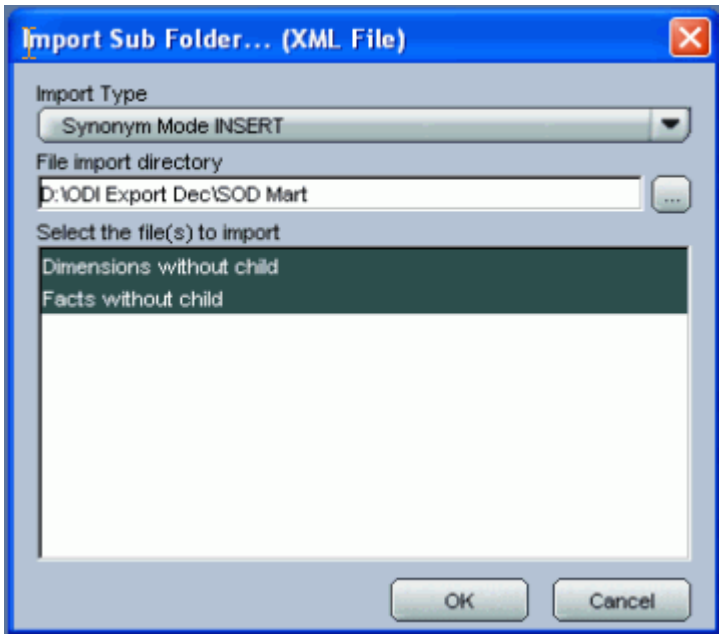
Import the "IKM Oracle Merge Dimension Incremental Load" and "IKM Oracle Fact Incremental Load" supplied, as shown above.

11. **Import Folders (with child components):**

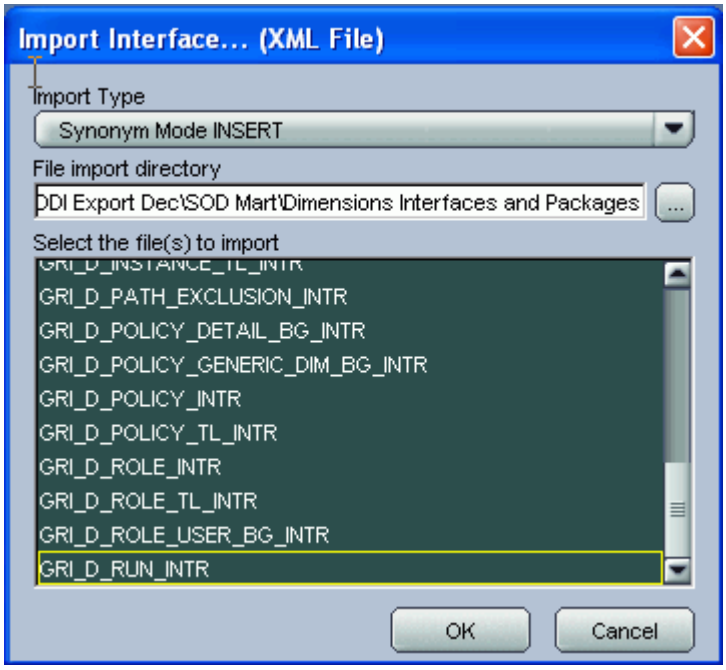
    Import the folder (Global Dimensions) with child components with the " INSERT_UPDATE" option.



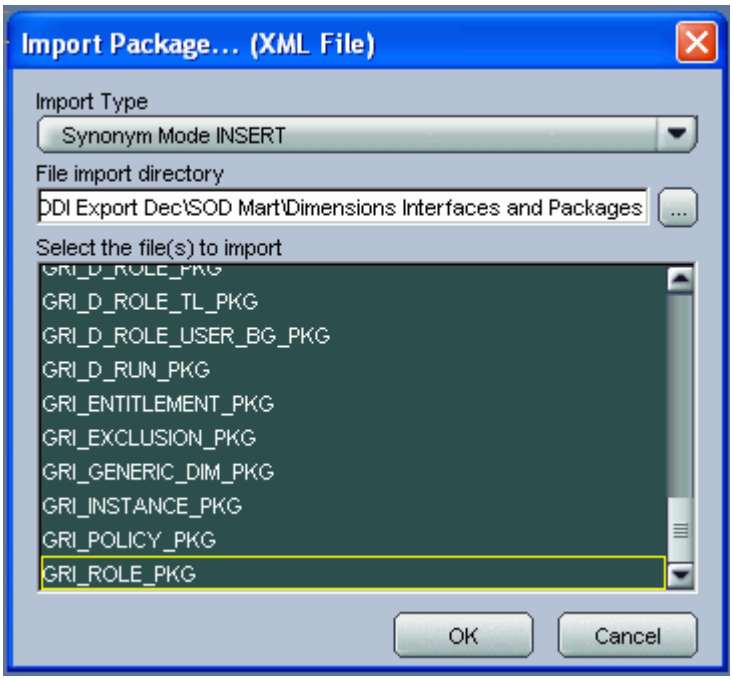
12. Once the folder Global Dimensions has been imported, import the sub-folders for the SOD Mart folder (Dimensions and Facts) without their child components from the SOD Mart folder that is provided.



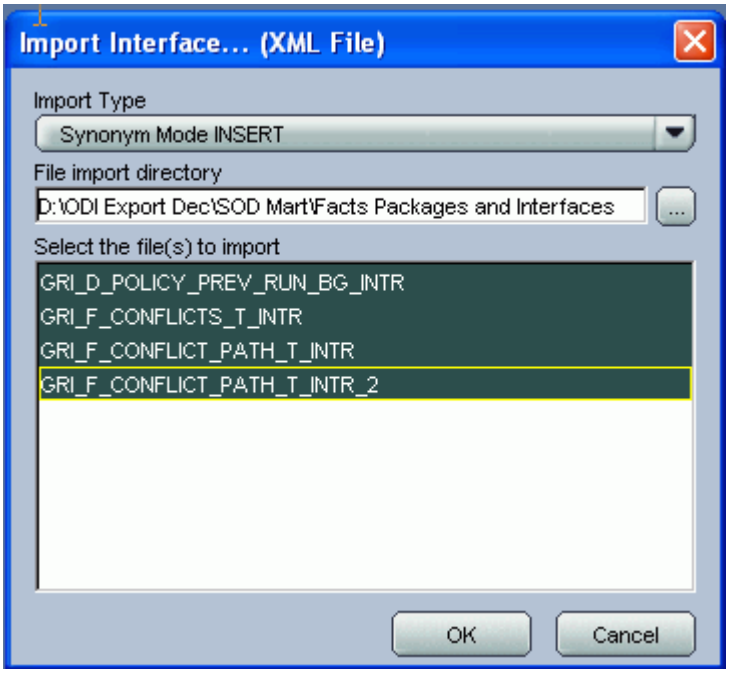
13. **Import Interfaces for the sub-folder Dimensions:**



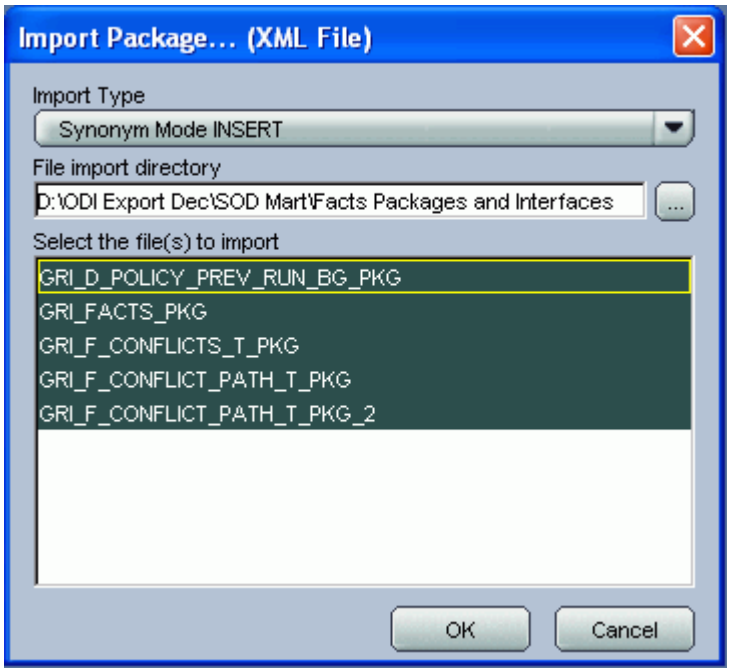
14. **Import Packages for the sub-folder Dimensions:**



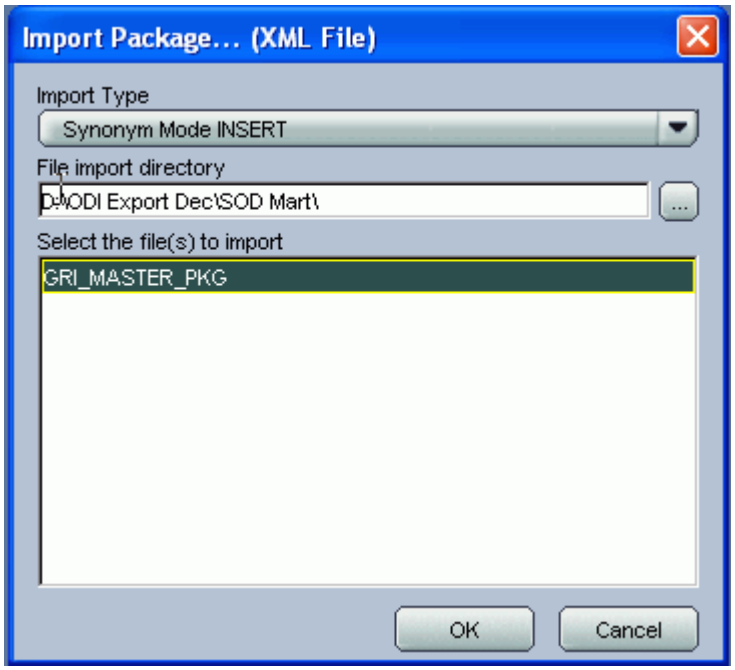
15. **Import Interfaces for the sub-folder Facts:**



16. **Import Packages for the sub-folder Facts:**



17. **Importing the Master Package:**



Execute any interface/package to test that the import has worked properly.

Installing OBIEE Reports

The GRI_30_OBIEE.zip contains the following files:

- GRCDiagnostic.zip
- GRCDWebcat.zip
- logoncontrolmessages.xml
- productmessages.xml
- bg_banner.JPG

These files contain the repository, web-catalog and two xml files and an image file (to be used for branding the product). The files will be used in the steps below to install the repository and reports-dashboards respectively.

1. After you successfully install OBIEE, extract the delivered zip file GRCDiagnostic.zip. Place the GRCDiagnostic.rpd file in the C:\OracleBI\server\Repository folder.
2. In the C:\OracleBI\server\Config folder, edit the NQSConfig.INI file. Enter the name of the RPD file after "Star =" in the [REPOSITORY] section.
3. Place the GRCDWebcat.zip file in the C:\OracleBIData\web\catalog folder and unzip the file. The GRCDWebcat folder now appears in the Catalog folder.
4. In the C:\OracleBIData\web\config folder, edit the instanceconfig.xml file. Enter OracleBIData\web\config folder, edit the instanceconfig.xml file. Enter the path of the GRCDWebcat folder in between the tags.
5. Create the TNS entry to point to your GRCI schema in Oracle home directory.
6. Open the GRCDiagnostic.rpd in the Oracle BI Administration Tool and go to the Variable Manager under the Manage > Variables menu.
7. Update the GRI_DSN variable with the name of the TNS entry name.
8. Update the GRI_USER_ID with the database user ID.
9. Open the properties window for 'GRC Diagnostics > GRCI Connection Pool' in the Physical layer and provide the password for EGRCI schema.
10. Save the changes in the Oracle BI Administration Tool.
11. Replace the xml and image file delivered as part of GRI_30_OBIEE.zip as

mentioned below:

- File "**bg_banner.jpg**" present in location \oc4j_bi\j2ee\home\applications\analytics\analytics\res\s_oracle10\b_mozilla_4\ is to be replaced with the file "bg_banner.jpg" available as part of delivered zip.

- File "**productmessages.xml**" present in location \web\msgdb\l_en\messages\ to be replaced with the file "productmessages.xml" available as part of delivered zip.

- File "**logoncontrolmessages.xml**" in location \web\msgdb\messages\ to be replaced with the file "logoncontrolmessages.xml" available as part of delivered zip.

  This would enable the product name during logon and background image for dashboards.

12. Restart the Oracle BI Services.

13. Log into the OBIEE using this URL: http://<localhost>:<TCPport>/analytics, where <localhost> is the name of the machine or the IP address where OBIEE is installed, and <TCPport> is the Web Site TCP Port number.

14. The OBIEE login page loads.

15. The installation is now complete.

Security Integration with AACG (Optional)

This section describes the security integration between GRC Intelligence 3.0 and AACG 8.5.

This section describes how a user logs into GRCI, and can drill-across to AACG to see more details without having to sign on.

Prerequisites

Installation of AACG version 8.5 and GRCI Release 3.0 is required.

Installed Software

- OBIEE (Oracle Business Intelligence Enterprise Edition) version 10.1.3.3.4 (with OC4J)

- Oracle HTTP Server (Apache 2.0)

- Web server and directory server. (Used here are SUN ONE Web server 6.1 and iplanet directory server 5.1)

- OAM (Oracle Access Manager)10.1.4.0.1
- WebGate (OAM Web component) 10.1.4.0.1

For installing and setting up software, please refer to the installation and user guides. Web server and directory server must be installed prior to OAM installation, as it is a prerequisite for OAM installation. OAM is installed on some servers, and OBIEE, OHS (Oracle HTTP Server) and WebGate are installed on the client side.

Steps for Integration

Step 1. Configuring the Access System, Policy and Users in OAM

At least one Access Server must be installed and configured. A policy and AccessGate should be created for the resource you want to protect. At least one WebGate must be installed on the client side, and configured to communicate with the Access Server AccessGate function, and performance can also be configured to respond to their unique needs.

- In the access system configuration, set up the access server, host identifier, and the access gate.
- Login into Oracle Access Manager. Go to Access System Configuration -> Access Server Configuration -> Add In the access server, provide a name, host, port of the machine where OAM is installed, and the search parameters.
- Login into Oracle Access Manager. Go to Access System Configuration, on the side navigation pane, click Host Identifiers -> Add ->Specify a name, description and all possible identifiers for this host. As a host can be known by multiple names, the Host Identifiers feature is used to enter the official name for the host, and every other name by which the host can be addressed by users.

  Create Access Gate. On the Access System Configuration page select Add New AccessGate. Provide a name, host, and port of the machine where OBIEE for GRCI is installed and other search parameters.
- Login into Oracle Access Manager. Go to Policy Manager -> Create Policy Domain -> Create a policy for the URL of the resource.

  For each policy you create, you can assign a specific authentication scheme (Basic Over LDAP), an authentication rule, an authorization expression, and an auditing rule.
- Login into Oracle Access Manager. Go to Identity System Console -> User Manager Tab -> Create User Identity tab, and create a new user.

  When the credentials are asked for to login into GRCI, a username and password should be entered. This will allow the user to drill down to AACG without having to log on.

- Below are the steps that describe the flow of the OAM component:

  a) User attempts to access web resource (http) on OHS which is protected by Oracle Access Manager, a request is received by WebGate

  b) WebGate requests the policy from the Access Server to see if the resource (URL) is protected or not

  c) If the resource/URL is not protected, the user is returned to the previous page. If resource/URL is protected, WebGate will ask the user to authenticate

  d) Credentials entered by the user, and are validated against the LDAP directory via the access system

  e) After successful authentication, a Oracle Access Manager Single Sign-On cookie is sent to the user's browser

  > **Note:** Refer to Oracle® Access Manager Access Administration Guide (10.1.4.2.0) for more details.

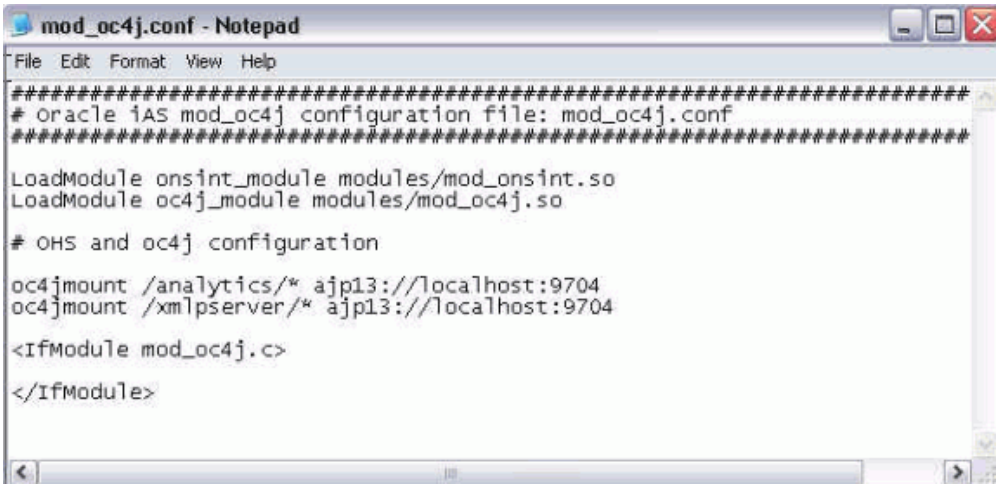
Step 2. Configuring mod_oc4j for Accessing an Application deployed in OC4J

- The directive Oc4jMount is used to make an Application deployed to OC4J accessible through OHS via mod_oc4j. This directive can be included in the file mod_oc4j.conf.

  Update mod_oc4j.conf located in C:\OraHome\ohs\conf directory

  Add the following lines:

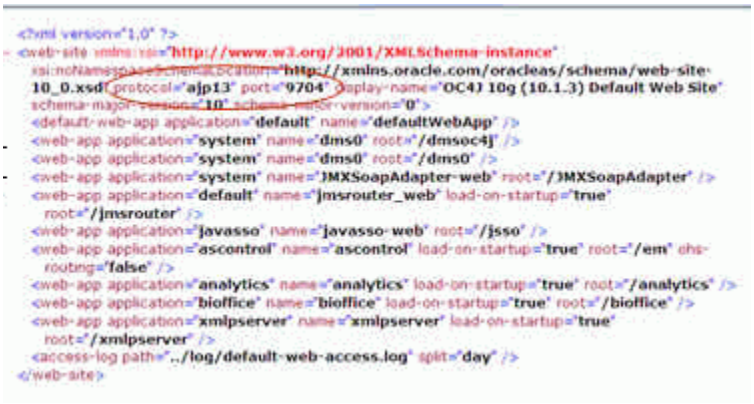
```
# OHS and oc4j configuration
oc4jmount /analytics/* ajp13://localhost:9704
```



- Restart the OPMN process by running ons.exe from C:\OraHome_3\opmn\bin.

Communication between OHS and OC4J uses Apache JServ protocol AJP13

Update protocol="ajp13" in
C:\OracleBI\oc4j_bi\j2ee\home\config\default-web-site.xml



Step 3. OBIEE - LDAP Authentication

Create a new LDAP Server entry in the repository (rpd) for iplanet Directory where OAM users get stored using the following procedure.

a) To Modify the Repository for User Authentication in iplanet Directory

- Open the rpd in the BI Administration Tool and select Manage > Security from the application menu.
- From the Security Manager menu, choose Action > New > LDAP Server.
- In the General tab, enter values for fields as shown in the following example:

  Hostname = < iplanet Directory hostname>

Port number = < iplanet Directory port>

LDAP version = LDAP 3

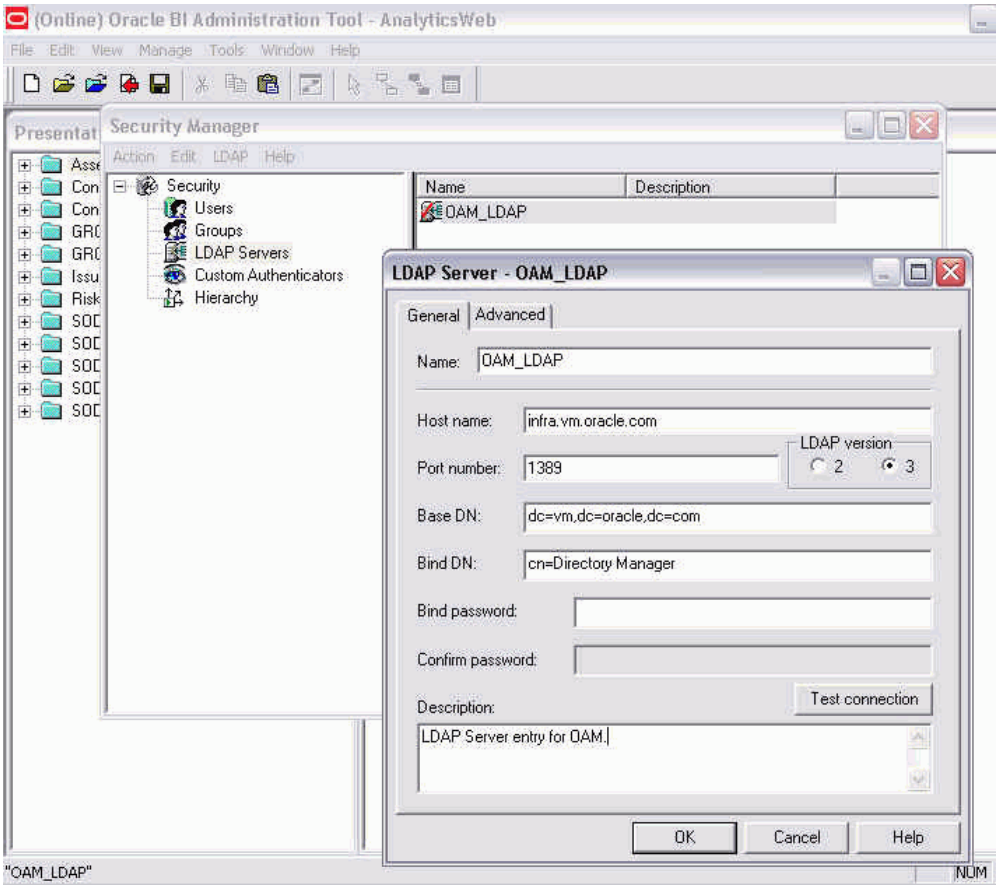
Base DN = < Base distinguished name (DN)>

Bind DN = < Distinguished name required to bind to iplanet Directory >

Bind password = < Password of bind DN>

where the Base DN field identifies the starting point of the authentication search.

If the Bind DN and Bind password entries are blank, anonymous binding is assumed.



- Return to the General tab and click on the Test Connection button to ensure the connection to iplanet Directory server is successful.

b) Configuring the Initialization Block Used for User Authentication

- One initialization block is required for user authentication and to configure it to use LDAP authentication. It will set the value of USER system session variable.

- Create new init block

- In the Session Variable Initialization Block window, click on the "Edit Data Source" button. Select LDAP as the Data Source Type from the drop-down and select the LDAP Server that was created in above step.

- Select the Edit Data Target button. In the System Session Variable window, enter "USER" in the Name field. Click OK. Click OK when asked to confirm if you want to use this name.

- Test the authentication by clicking on the Test button in the Session Variable Initialization Block window.

c) Configuring the Initialization Block Used to set the GROUP for the User

> **Note:** OBIEE will be not able to recognize nor use any LDAP defined user-to-group relationships until 11g (or later).

Users are typically assigned to groups via an OBIEE repository session init block using an external source (E.g. a database table) that contains the user-to-group association. This init block sets the GROUP session variable.

- Shutdown Oracle BI Server and Oracle BI Presentation Server services

- Launch Oracle BI Administration tool. Open the rpd file in offline mode

- From the Manage menu, click on Variables to launch the Variable Manager

- From the menu click on Action, Select New and choose Session->Initialization Block to create an initialization block

- In the Data Source section, click on Edit Data Source. From the Data Source Type drop-down box and choose Database. In the 'Default Initialization String' window type the following SQL:

  SELECT ROLE_NAME

  FROM GRCD_USERS A, GRI_D_ROLE_USER_BG B, GRI_D_ROLE_TL C

  WHERE A.USERNAME=':USER' AND

  A.SRC_SYS_ID='AG80'

  AND A.GRCD_USER_SID = B.GRCD_USER_SID

  AND A.SRC_SYS_ID = B.SRC_SYS_ID

  AND B.ROLE_SID = C.ROLE_SID

  AND B.SRC_SYS_ID = C.SRC_SYS_ID

  AND C.LANGUAGE = 'VALUEOF(NQ_SESSION.LANGUAGE_CODE)'

- The Connection Click on Browse to launch the Select Connection Pool window.

Click on the appropriate Connection Pool and click Select, then click OK.

- In the Variable Target section, click on Edit Data Target. Click New to launch the Session Variable window. In the name box enter GROUP. Click OK. Accept the 'special purpose' prompt by clicking on Yes.
- Enable the 'Required for Authentication' check box.
- Save the initialization block.

d) Creation of Repository Group and Presentation Catalog Group

Create a repository group and a presentation catalog group (the same as group that was assigned in the prior step). For example, if the GROUP has a variable set to Apps Administrator, then the user creates a repository group, and a presentation catalog group as "Apps Administrator". This step is needed in order to see the group in the rpd and the webcat to further secure presentation layer catalogs, dashboards, folders and answers. A dynamic assignment is done in the prior steps only.

> **Note:** Creation of a group should be done by logging in as an Administrator to rpd and webcat. This should be done on a different machine that does not have OAM integration on it. With OAM integration only, OAM users can log into presentation services even if they don't have Administrator user privileges.

- Creation of Repository Group

  Open the GRCM rpd in the OBIEE Administration tool and logon with admin privileges

  Click on Manage->Security from the menu

  On the Security Manager window, select Groups in the left pane and click on Action->New->Group. Enter a group name that gets assigned to the GROUP session variable in the prior step.

- Creation of a Presentation Catalog Group

  Connect to OBIEE Presentation server and log on as Administrator

  Click on Settings->Administration, select 'Manage Presentation Catalog Groups and Users', and click on 'Create new catalog group'

  Enter the group name that gets assigned to the GROUP session variable in the prior step, Dashboard Name and Dashboard Builder columns of the Create Catalog Group screen

  > **Note:** Check Oracle® Business Intelligence Enterprise Edition User Guide for securing presentation layer catalogs, dashboards, folders and

answers.

Step 4. Configuring BI Presentation Services to Use the Impersonator User

The steps to configure BI Presentation Services are:

a) Creating the Oracle BI Server Impersonator User

- Open the BI Server repository file (.rpd) using BI Administration Tool.
- Select Manage > Security to display the Security Manager.
- Select Action > New > User to open the User dialog box.

  Enter a name and password for this user.

  For example, Name = Impersonator and Password = secret.
- Click OK to create the user.

  Make this user a member of the group Administrators.
- Double-click on the icon for the user that was created.
- In the Group Membership portion of the dialog box, check the Administrators group.

b) Creating Adding Impersonator User Credentials to Oracle BI Presentation Services Credential Store

1. Open a command prompt window or command shell on the machine where BI Presentation Services has been installed.
2. Navigate to the directory OracleBI/web/bin.
3. Execute the CryptoTools utility to add the impersonator user credentials to the BI Presentation Services Credential Store:

   cryptotools credstore -add -infile OracleBIData/web/config/credentialstore.xml
4. Supply values for the prompted parameters, as shown:

```
C:\OracleBI\web\bin>cryptotools credstore -add -infile C:/OracleBIData/web/config/credentialstore.xml
>Credential Alias: impersonation
>Credential "impersonation" already exists. Do you want to overwrite it? y/n (y) : y
>Username: Impersonator
>Password: password
>Do you want to encrypt the password? y/n (y): y
>Passphrase for encryption:password123
>Do you want to write the passphrase to the xml? y/n (n): n
>File "C:/OracleBIData/web/config/credentialstore.xml" exists. Do you want to overwrite it? y/n (y): y
```

c) Configuring Oracle BI Presentation Services to Identify Credential Store and Decryption Passphrase

Step 1. Locate the node within the instanceconfig.xml file.

Step 2. Specify the attribute values as shown in the following example.

If the node does not exist, create this element with sub-elements and attributes with attribute values given in the following example.

```
<WebConfig>
<ServerInstance>
<!-- other settings ... -->
<CredentialStore>
<CredentialStorage type="file" path="<path to credentialstore.xml>" passphrase="<passphrase>"/>
<!-- other settings ... -->
</CredentialStore>
<!-- other settings ... -->
</ServerInstance>
</WebConfig>
```

After modification, CredentialStore node in instanceconfig.xml file looks as below:

```
<?xml version="1.0"?>
<WebConfig>
<ServerInstance>
<!-- other settings ... -->
<CredentialStore>
<CredentialStorage type="file" path="C:/OracleBIData/web/config/ credentialstore.xml" passphrase="password123"/>
<!-- other settings ... -->
</CredentialStore>
<!-- other settings ... -->
</ServerInstance>
</WebConfig>
```

d) Configuring BI Presentation Services to Operate in the OAM Environment

1. Open instanceconfig.xml for editing. Locate the <Auth>element. If this does not exist, create this element, sub-elements and parameters as shown in the following example:

   ```
   <!-- other settings ... -->
   <Auth>
   <SSO enabled="true">
   <ParamList>
   <!-- IMPERSONATE param is used to get the authenticated user's username and is
   required
   -->
   <Param name="IMPERSONATE" source="httpHeader" nameInSource="SSO_UID" />
   </ParamList>
   </SSO>
   </Auth>
   ```

2. Secure the machines that are permitted to communicate with BI Presentation Services directly.

   This can be done by setting the Listener\Firewall node in instanceconfig.xml with the list of HTTP Server or servlet container IP addresses. For example:

```
<Listener>
<Firewall>
<Allow address="127.0.0.1"/>
<Allow address="10.111.111.111"/>
</Firewall>
<!-- other settings ... -->
</Listener>
```

Step 5. Drilldown to source system from OBIEE

- GRI_S_SRC_SYSTEM_INFO table is used to store the source instance URL and component path. SOURCE_URL column stores URL and policy, confilctpath id store component path for policy and conflict path respectively. Refer to AACG documentation for populating data for these three columns.

- Create an Initialization Block and Dynamic Repository Variable, which are used to create the URL for the source system. For every drill to page, a separate Init Block creation is required.

  1. In OBIEE Admin tool open the rpd. Go to Manage->Variables->Action->New->Repository Initialization Block.

  2. In the Repository Variable Init Block window put init block name.

  3. Click on edit data source write a query to get URL and component from GRI_A_SRC_SYSTEM_INFO table. For conflictpathId drill down the query would look like the following:

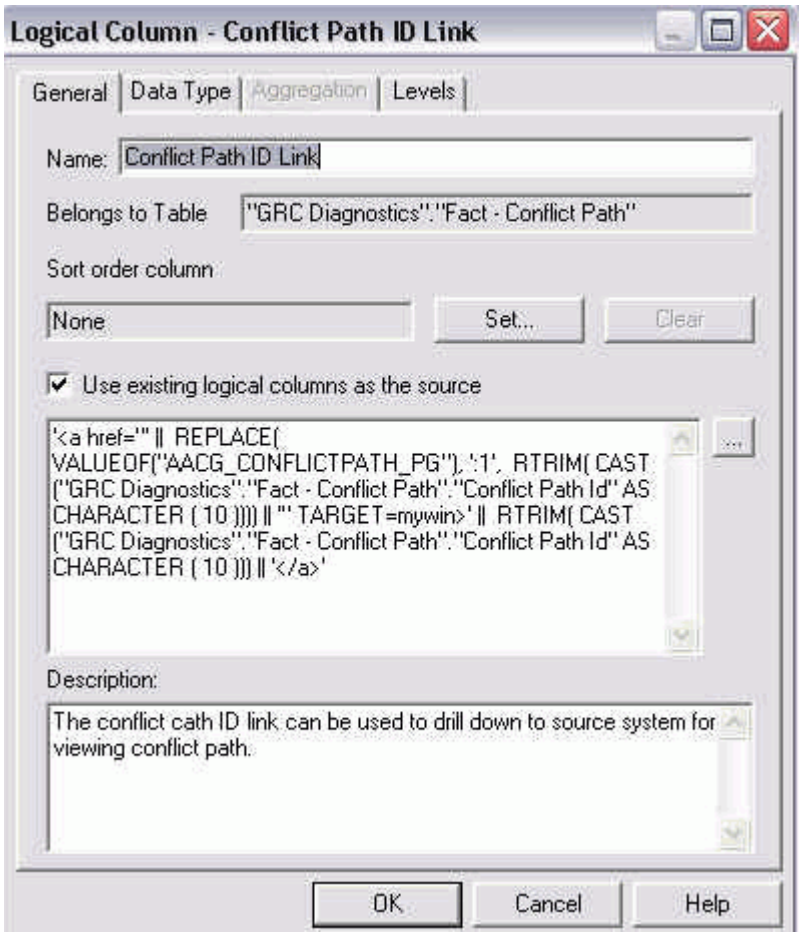
```
SELECT SOURCE_URL || CONFLICT_COMPONENT
FROM GRI_A_SRC_SYSTEM_INFO
WHERE SRC_SYS_ID = 'AG80'
```

- Assign a connection pool for this init block. Test the authentication by clicking on the Test button in the Repository Variable Initialization Block window.

- Select Edit Data Target button. Select New in Repository Variable Init Block Variable Window. Create a Dynamic Repository variable. Similarly, an Init block for policy Id should be created.

  Similarly, Init block for policyID should be created.

- Create a logical column in the business layer of the OBIEE admin tool and select the check box for Use existing logical columns as source. Specify the expression from which the logical column should be derived. Replace the :1 with the dynamic field value, for multiple parameters use nested REPLACE functions. For example, the expression for logical column for conflictpathId drill would look like the following:



- Create an answer with the logical column as created above and change the data format as HTML) and run the report.

- "Save system-wide column formats" and "Save Content with HTML Markup" privilege should be given to Everyone, which is by default given to Presentation Server Administrators

References

1. Oracle Access Manager Installation Guide 10g (10.1.4.0.1)

2. Oracle Access Manager Identity and Common Administration Guide10g (10.1.4.0.1)

3. Oracle Access Manager Access Administration Guide 10g (10.1.4.0.1)

4. Oracle Business Intelligence Infrastructure Installation and Configuration Guide

5. Oracle Business Intelligence Enterprise Edition User Guide

4

Installation and Upgrade Options for Oracle Governance, Risk and Compliance Intelligence 3.0

Overview

This chapter refers the user to the previous sections of the GRCI 3.0 implementation guide when installing for both EGRCM 8.0 and AACG 8.5.

Additionally within this chapter, if there is an existing GRCI 2.0.1 installation and it needs to be upgraded to GRCI 3.0, then the user should refer to the upgrade section, and follow the instructions.

Installing Oracle Governance, Risk and Compliance Intelligence for both EGRCM 8.0 and AACG 8.5

Installing Oracle EGRCM Scripts

Please refer to Chapter 2, which describes the necessary steps for the installation of EGRCM 8.0 as a source application.

Installing Oracle AACG Scripts

Please refer to Chapter 3, which describes the necessary steps for the installation of AACG 8.5 as a source application.

Installing ODI Code

Please refer to Chapter 2 or 3, which describes the necessary steps for the installation of ODI Code in GRCI.

Installing OBIEE Reports

Please refer to Chapter 2 or 3, which describes the necessary steps for the installation of OBIEE Reports.

Security Integration with AACG 8.5

Please refer to Chapter 3, which provides optional details and requirements on the integration of the security components for both AACG 8.5 and GRCI 3.0.

Upgrading GRCI 2.0.1 to GRCI 3.0

At present, there is no upgrade for GRC Manager content from Release 2.0.1 to 3.0, as the source application does not support it.

When upgrading AACG content, it is recommended that you create a new schema when you install GRCI 3.0. This will upgrade all of the data from the source application to GRCI 3.0.

A

ETL Execution

This appendix covers the following topics:

- Execution Sequence for EGRCM
- Execution Sequence for AACG
- ETL Execution for EGRCM
- ETL Execution for AACG
- Execute a Package

Execution Sequence for EGRCM

Order of Execution for the ETL:

The following packages are placed into a single package **GRI_MASTER_EGRC_PKG**.

1. GRI_STAGE_EGRCM_PG
2. GRI_DIMENSIONS_EGRC_PKG
3. GRI_FACTS_EGRC_PKG
4. GRI_VIEWS_PKG

The order for execution of the **GRI_STAGE_EGRC_PKG** is as follows:

1. GRI_A_LOOKUP_ALL_PKG
2. GRI_S_ASSOCIATION_PKG
3. GRI_A_UDA_PKG
4. GRI_S_COMPONENTS_PKG
5. GRI_S_CONTROLS_ALL_PKG

6. GRI_S_RISKS_ALL_PKG
7. GRI_S_PERSPECTIVES_PKG
8. GRI_S_ASSESSMENTS_ALL_PKG
9. GRI_S_ISSUES_PKG
10. GRI_S_EGRC_ROLE_PKG
11. GRI_S_EGRC_USERS_PKG

> **Note:** Steps 4-11 can be run asynchronously, but only after the first three packages are run serially.

The order for execution of the **GRI_DIMENSIONS_EGRC_PKG** is as follows:

1. GRI_D_LANGUAGES_PKG
2. GRI_D_CURRENCIES_PKG
3. GRCD_USERS_MAIN_EGRC_PKG
4. GRI_D_ROLE_MAIN_EGRC_PKG
5. GRI_D_OBJECT_TYPES_PKG
6. GRI_A_UDT_INFO_PKG
7. GRI_D_OBJECT_CLASSES_PKG
8. GRI_D_COMPONENTS_PKG
9. GRI_D_CONTROLS_ALL_PKG
10. GRI_D_RISKS_PKG
11. GRI_D_PRERSPECTIVES_PKG
12. GRI_D_ASSESSMENTS_PKG
13. GRI_D_ISSUES_PKG

> **Note:** Steps 5-13 can be run asynchronously, but only after the 1-5 packages are run and complete.

The **GRI_FACTS_EGRC_PKG** contains the following packages for loading the facts

(Assessment and Issues), and the various associations; they should be loaded in the following order, and only after the loading of the Stage and Dimensions tables.

1. GRI_D_ROLE_USER_BG_EGRC_PKG
2. GRI_F_ASSOCIATION_PKG
3. Populate Date Association Procedure
4. GRI_F_CONTROL_ASSOC_DETAIL_INTR_PKG
5. GRI_D_RELATEDCONTROL_BG_PKG
6. GRI_D_PERSP_ASSOC_BG_PKG
7. GRI_F_ASSESSMENTS_PKG
8. GRI_F_ISSUES_PKG
9. LOAD_DYNAMIC_RENDERER_PROC

Execution Sequence for AACG

Order of Execution for the ETL:

The following packages are placed into a single package **GRI_MASTER_EGRC_PKG**.

1. GRI_DIMENSIONS_PKG
2. GRI_BRIDGE_TABLES_PKG
3. GRI_FACTS_PKG

The order for execution of the **GRI_DIMENSIONS_PKG** is as follows:

1. GRI_INSTANCE_PKG
2. GRI_GENERIC_DIM_PKG
3. GRCD_USER_MAIN_PKG
4. GRI_POLICY_PKG
5. GRI_ENTITLEMENT_PKG
6. GRI_ACCESS_POINT_PKG
7. GRI_APPS_USER_PKG

8. GRI_D_RUN_PKG
9. GRI_EXCLUSION_PKG

> **Note:** Steps 4-8 may be run independent of each other, but the rest should be run in numeric order.

The bridge tables can be run independent of each other, and these are the packages present in the **GRI_BRIDGE_TABLES_PKG**. They should be run after the loading of all the dimensions.

1. GRI_D_ROLE_USER_BG_PKG
2. GRI_D_POLICY_GENERIC_DIM__BG_PKG
3. GRI_POLICY_DETAIL_BG_PKG
4. GRI_D_ENTLMNT_GENERIC_DIM_BG_PKG
5. GRI_D_ENTITLEMENT_AP_BG_PKG

The **GRI_FACTS_PKG** contains the following packages for loading the conflicts and conflict paths and they should be loaded in the following order and only after the loading of the dimensions and bridge tables.

1. GRI_F_CONFLICTS_T_PKG
2. GRI_D_POLICY_PREV_RUN_BG_PKG
3. GRI_F_CONFLICT_PATH_T_PKG
4. GRI_F_CONFLICT_PATH_T_PKG_2

ETL Execution for EGRCM

In the ODI Designer module, (N) GRI > EGRCM Mart > Packages; the user can then locate the following master package: GRI_MASTER_EGRC_PKG.

The stage tables related interfaces and packages are found by navigating in the ODI Designer module to (N) GRI > EGRCM Mart > Staging.

The dimension related interfaces and packages are found by navigating in the ODI Designer module to (N) GRI > EGRCM Mart > Dimensions.

The fact table and related interfaces and packages are found by navigating in the ODI Designer module to (N) GRI > EGRCM Mart > Facts.

There are three ETL Execution for EGRCM options:

Option 1:

1. Execute GRI_MASTER_EGRC_PKG Package.
2. This action triggers all the packages required to load the entire star schema.

Option 2:

Important: Execute the packages in the following order.

1. GRI_STAGE_EGRC_PKG – this package will load all the stage tables.
2. GRI_DIMENSIONS_EGRC_PKG – this package will load all the dimension tables.
3. GRI_FACTS_EGRC_PKG – this package will load all the fact tables.
4. GRI_VIEWS_PKG - this package will generate the views of the user defined objects.

Option 3:

Run individual table level packages, in the same order as in**Option 2**.

ETL Execution for AACG

In the ODI Designer module, (N) GRI > SOD Mart > Packages; the user can then locate the following master package: GRI_MASTER_PKG.

The dimension and bridge table related interfaces and packages are found by navigating in the ODI Designer module to (N) GRI > SOD Mart.

The fact table and related interfaces and packages are found by navigating in the ODI Designer module to (N) GRI > SOD Mart > Facts.

There are three ETL Execution for AACG options:

Option 1:

1. Execute GRI_MASTER_PKG Package.
2. This action triggers all the packages required to load the entire star schema.

Option 2:

Important: Execute the packages in the following order.

1. GRI_DIMENSIONS_PKG – this package will load all the dimension tables.
2. GRI_BRIDGE_TABLES_PKG – this package will load all the bridge tables.
3. GRI_FACTS_PKG – this package will load all the fact tables.

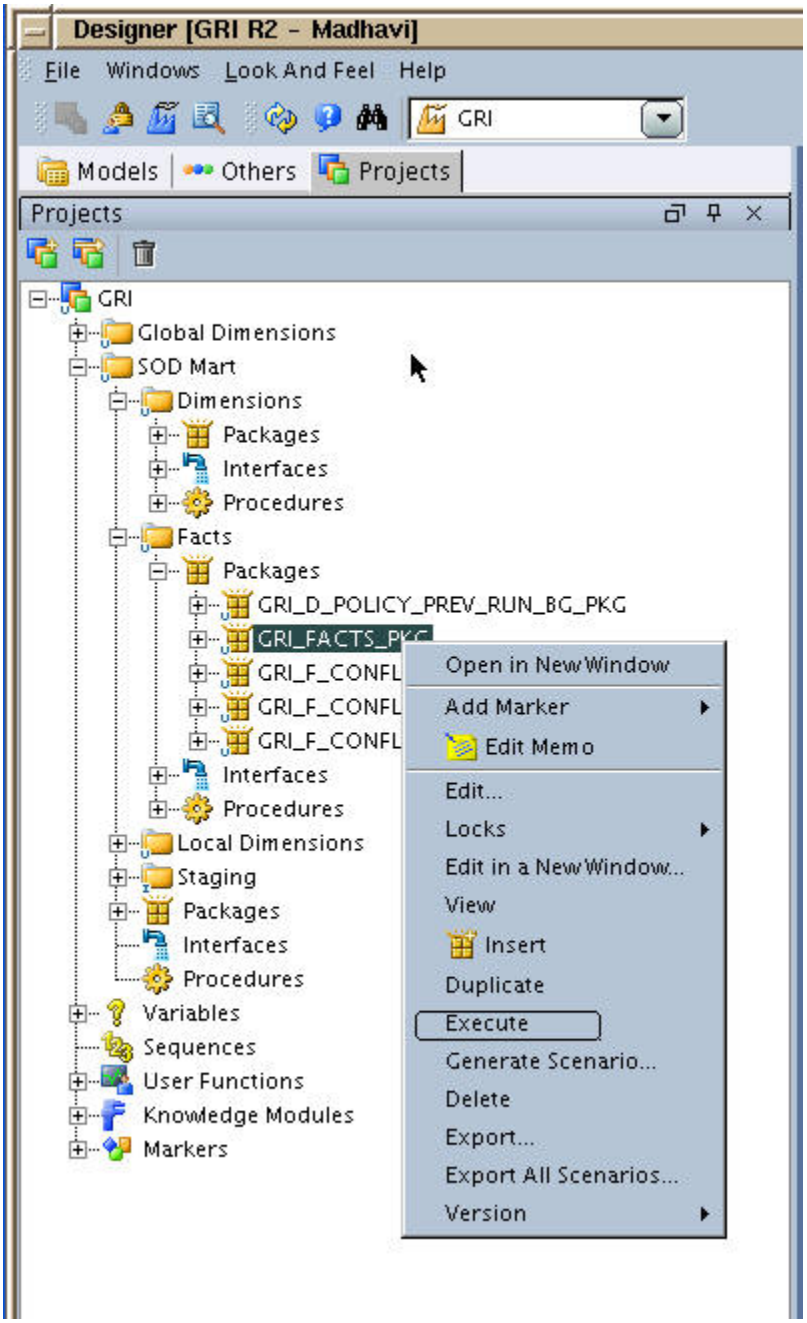
Option 3:

Run individual table level packages, in the same order as in **Option 2**.

Execute a Package

In order to execute a package, navigate to the ODI Designer and locate the required package to execute

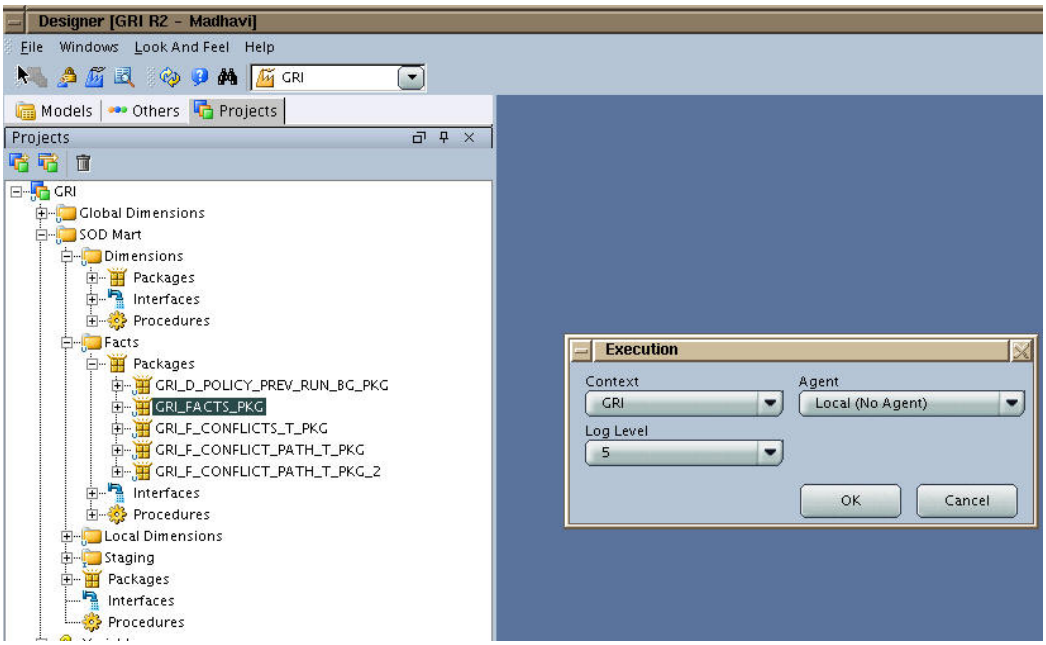
Right click on that package, and then click Execute as shown below:



In the Execution window, select the context that was created as part of the ODI Code installation.

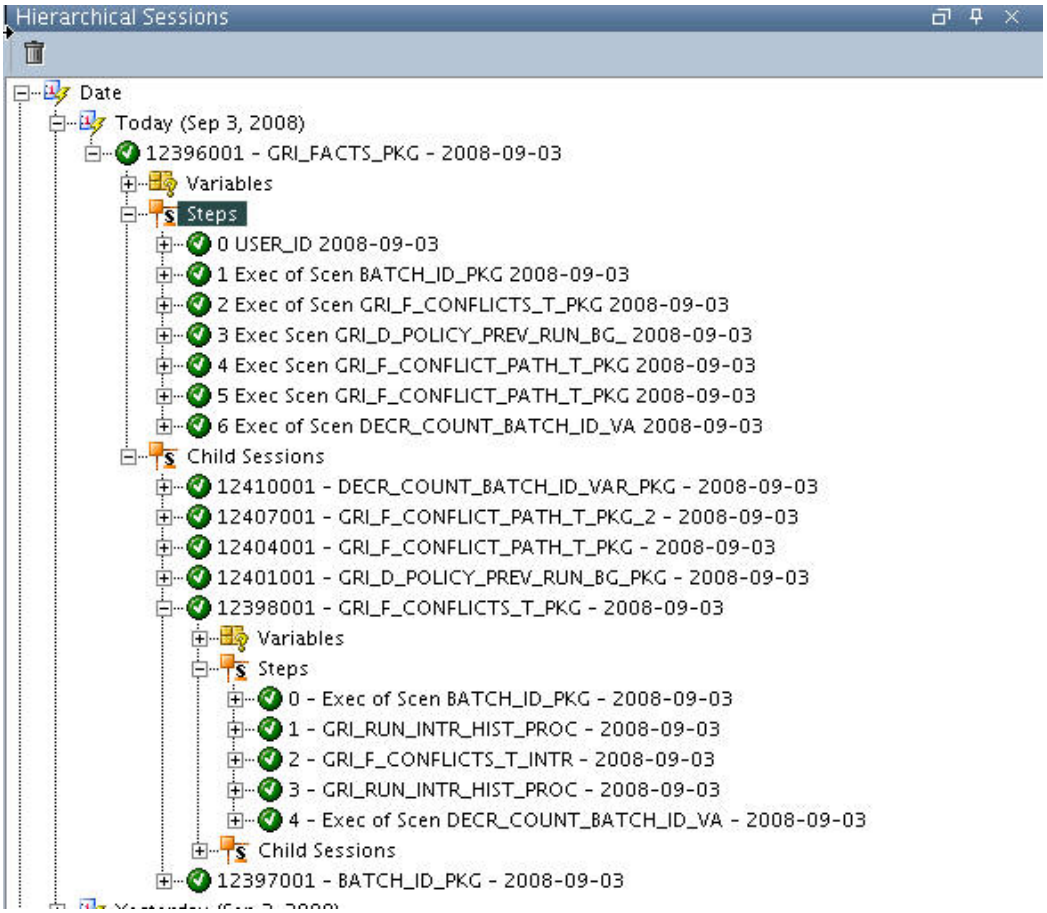
Note: Please refer to Chapter 3 "Installing ODI Code"

Click OK. This starts a session for the executed package.



The status of a session and its corresponding steps and tasks can be checked in, in the ODI Operator module.

In case of a higher-level package, such as one encapsulating multiple child packages, the status for each child package session can also be monitored.



Verify that the package has run successfully. The result of each task execution can be viewed in the Execution tab of Session Task window.

Verify the number of rows processed as part of each task in the session.

> **Note:** Please refer to the Oracle Data Integrator User's Guide for more detail on using the ODI Designer and ODI Operator modules.

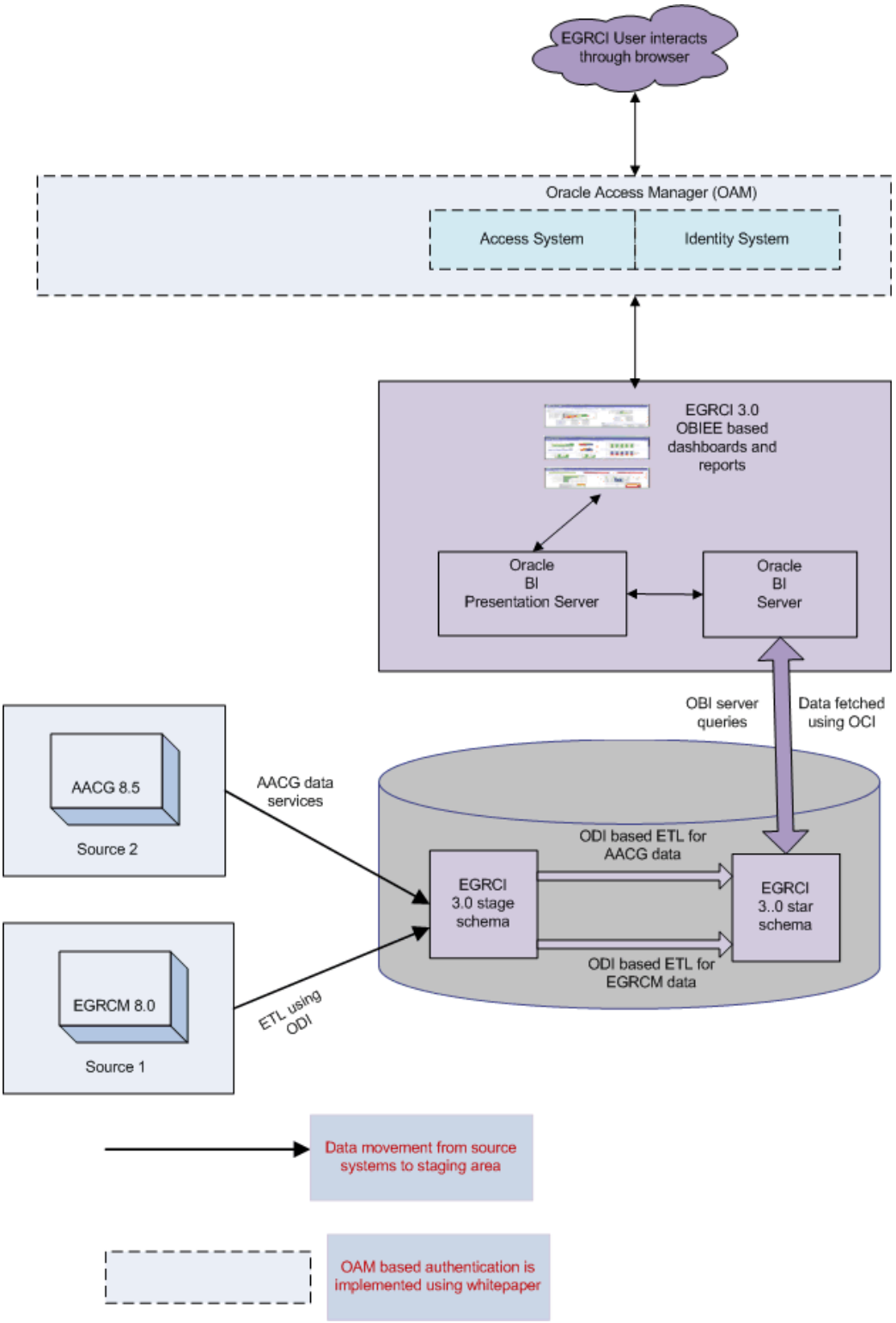
B

Architecture

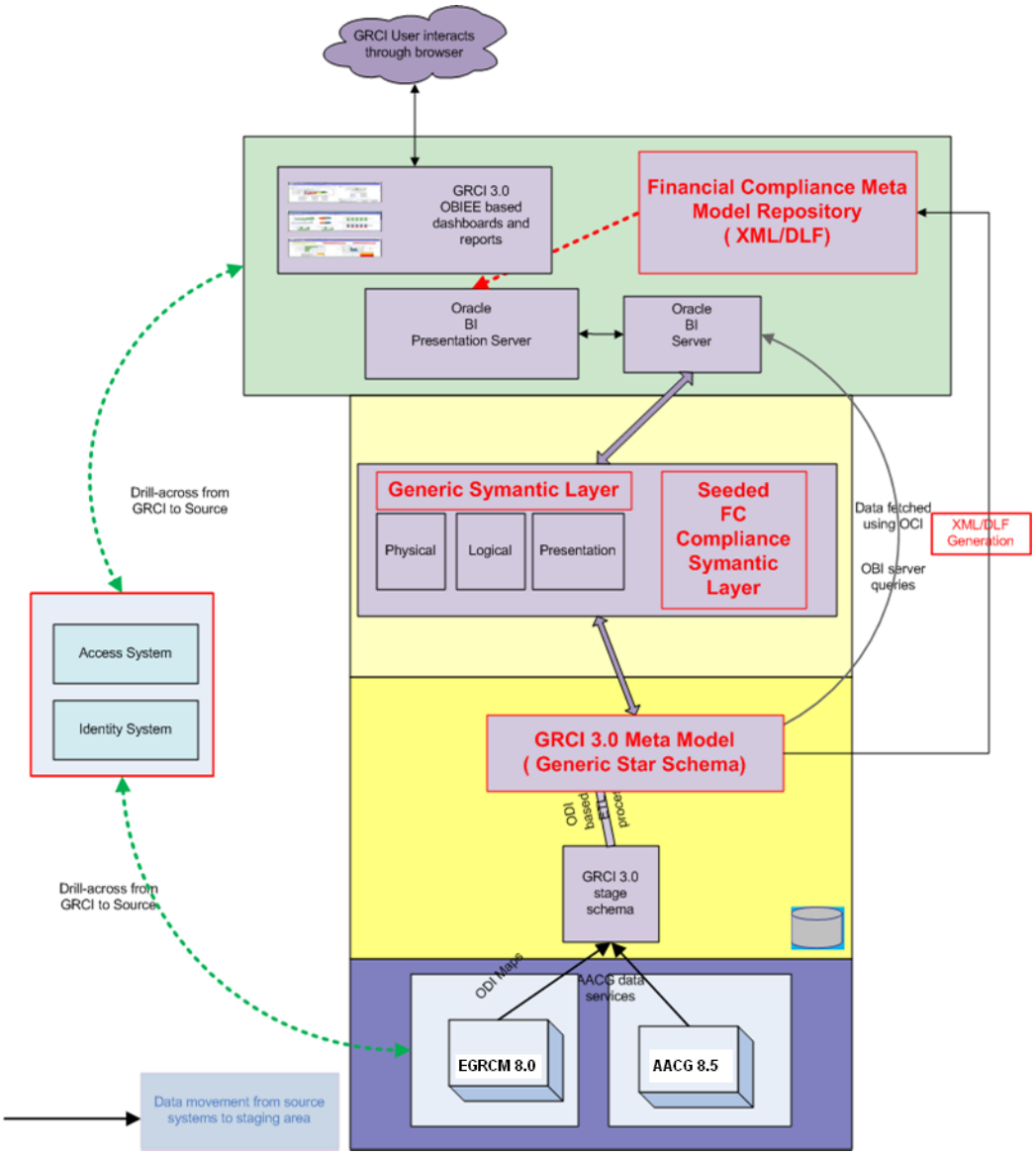
This appendix covers the following topics:

- Architecture Diagram
- Data Flow Diagram

Architecture Diagram



Data Flow Diagram



C

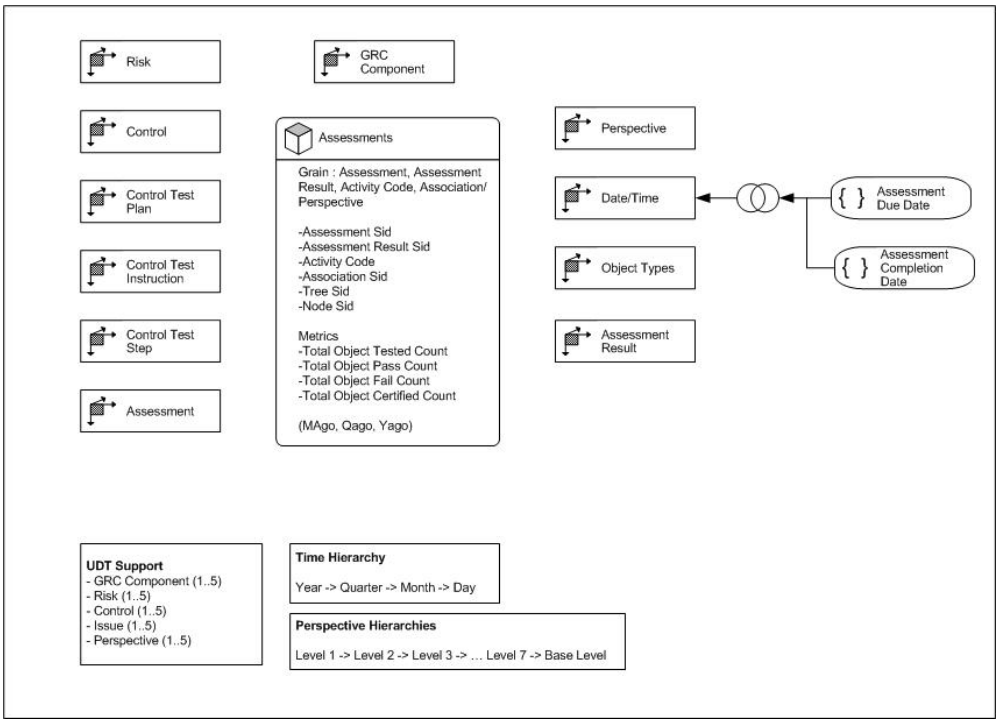
Logical and Physical Models

This appendix covers the following topics:

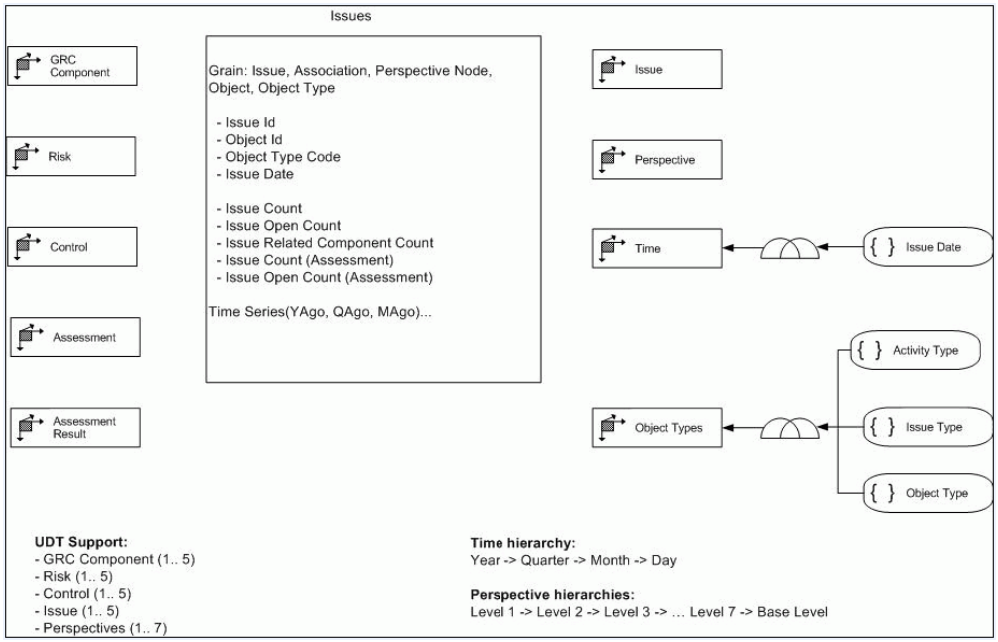
- GRCI 3.0 - EGRCM 8.0 Logical Model
- GRCI 3.0 - EGRCM 8.0 Physical Model
- GRCI 3.0 - AACG 8.5 Logical Model
- GRCI 3.0 - AACG 8.5 Physical Model

GRCI 3.0 - EGRCM 8.0 Logical Model

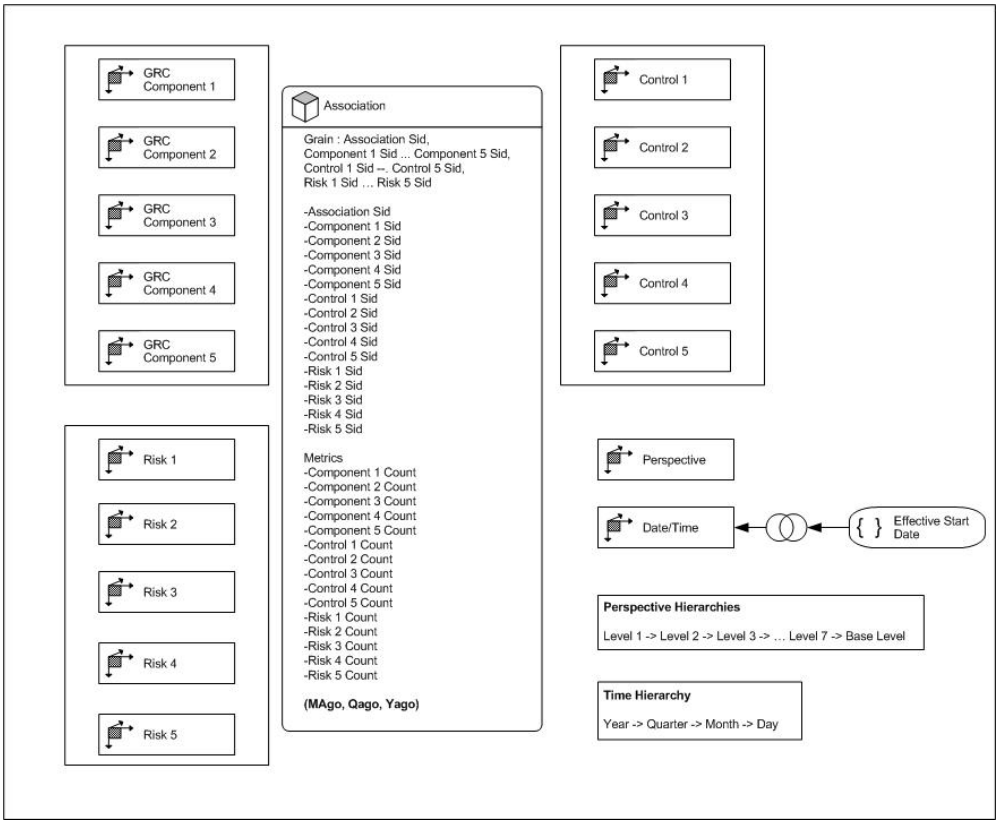
- **Assessments**


Risk
GRC Component
Control
Assessments
Perspective
Control Test Plan
Grain : Assessment, Assessment Result, Activity Code, Association/ Perspective
-Assessment Sid
-Assessment Result Sid
-Activity Code
-Association Sid
-Tree Sid
-Node Sid
Metrics
-Total Object Tested Count
-Total Object Pass Count
-Total Object Fail Count
-Total Object Certified Count
(MAgo, Qago, Yago)
Date/Time
Assessment Due Date
Control Test Instruction
Object Types
Assessment Completion Date
Control Test Step
Assessment Result
Assessment
UDT Support
- GRC Component (1..5)
- Risk (1..5)
- Control (1..5)
- Issue (1..5)
- Perspective (1..5)
Time Hierarchy
Year -> Quarter -> Month -> Day
Perspective Hierarchies
Level 1 -> Level 2 -> Level 3 -> … Level 7 -> Base Level

- **Issues**

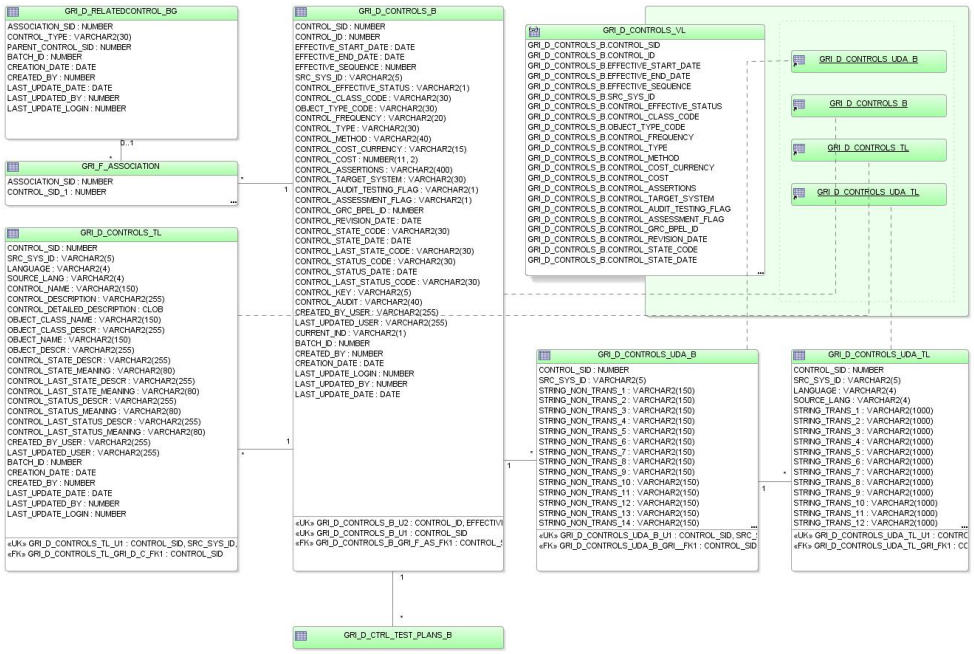


- **Association**

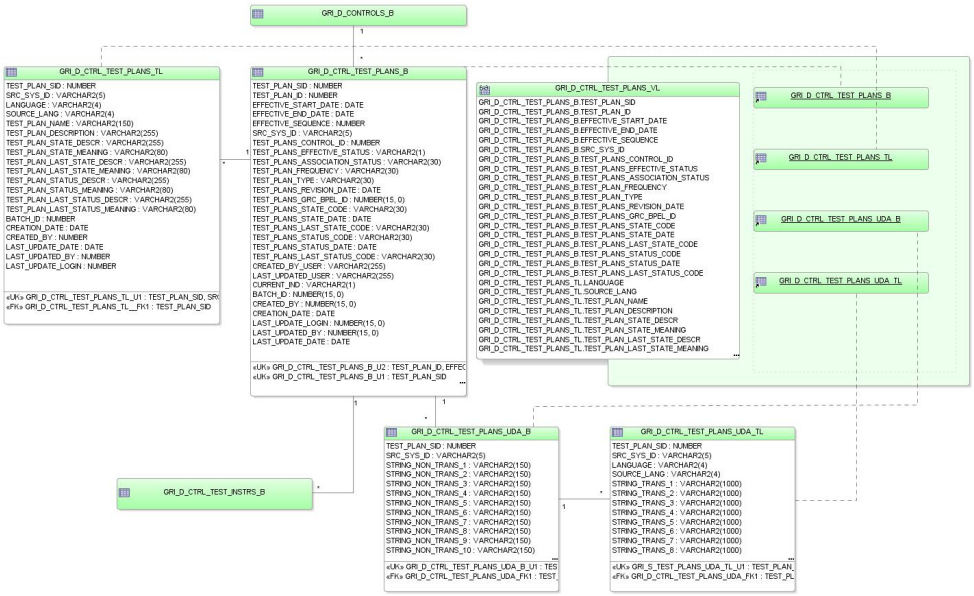


GRCI 3.0 - EGRCM 8.0 Physical Model

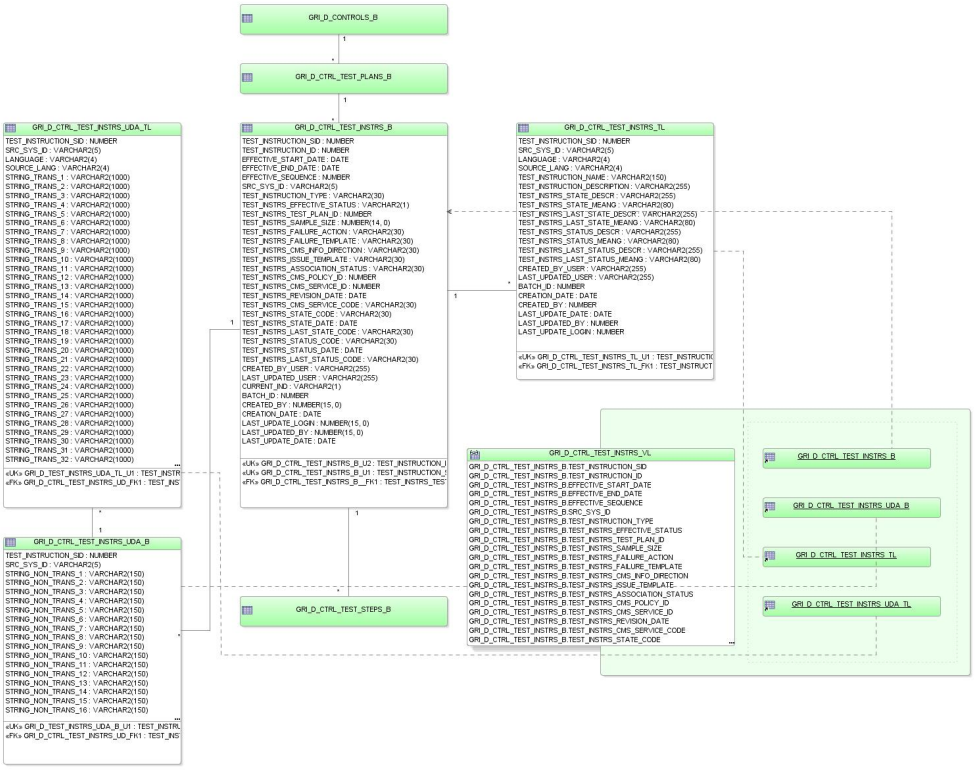
- **Controls**



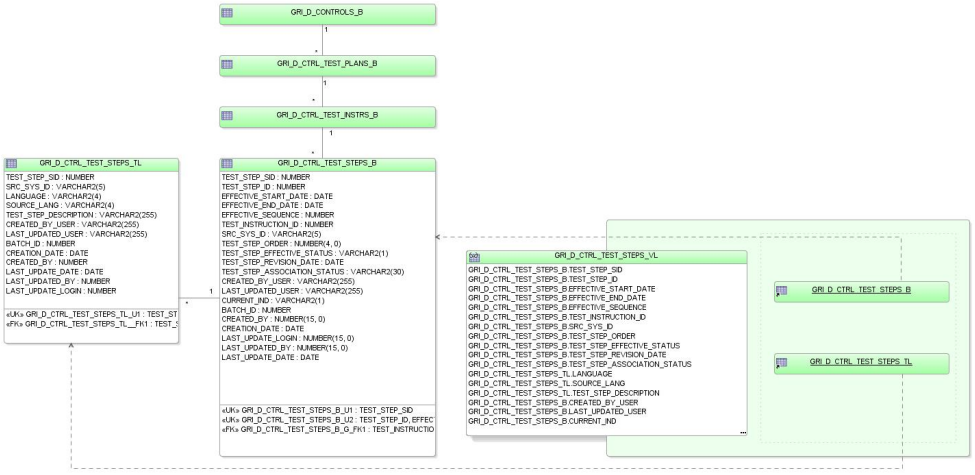
- **Test Plans**



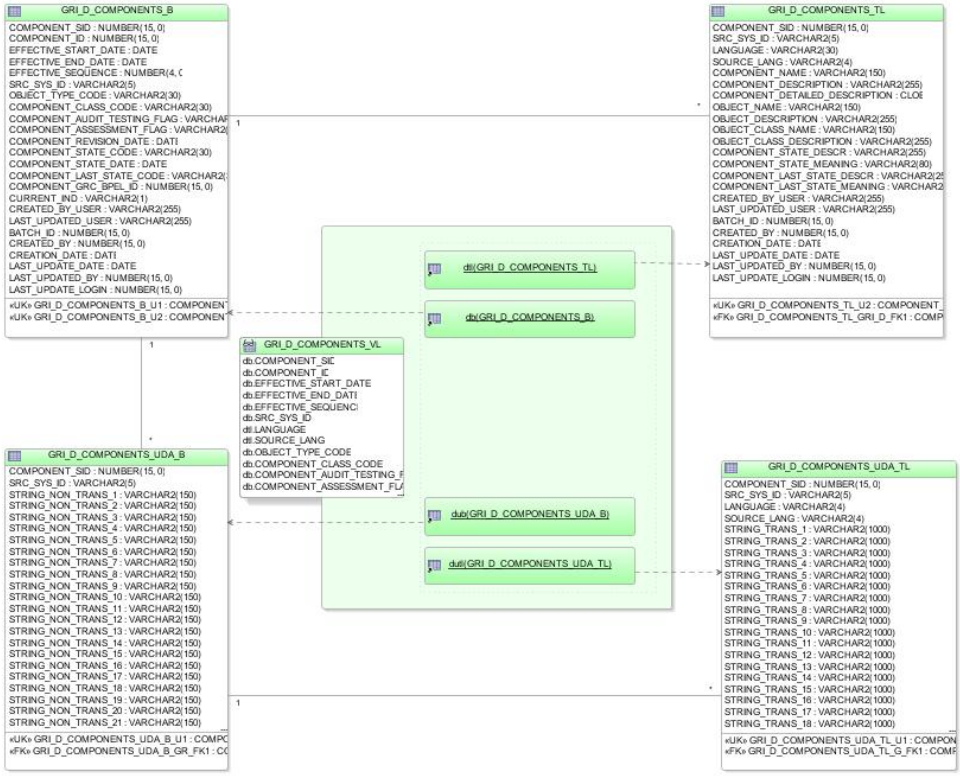
- **Test Instructions**



- **Test Steps**



- **Components**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COMPONENT_ASSESSMENT_FLAG : VARCHAR2(
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COMPONENT_STATE_CODE : VARCHAR2(30)
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«UK» GRI_D_COMPONENTS_B_U2 : COMPONENT
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LAST_UPDATE_LOGIN : NUMBER(15, 0)
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«FK» GRI_D_COMPONENTS_TL_GRI_D_FK1 : COMP
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db(GRI_D_COMPONENTS_B)
GRI_D_COMPONENTS_VL
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db.COMPONENT_ID
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db.EFFECTIVE_END_DATE
db.EFFECTIVE_SEQUENCE
db.SRC_SYS_ID
dtl.LANGUAGE
dtl.SOURCE_LANG
db.OBJECT_TYPE_CODE
db.COMPONENT_CLASS_CODE
db.COMPONENT_AUDIT_TESTING_F
db.COMPONENT_ASSESSMENT_FLA
dub(GRI_D_COMPONENTS_UDA_B)
dutl(GRI_D_COMPONENTS_UDA_TL)
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STRING_NON_TRANS_21 : VARCHAR2(150)
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«FK» GRI_D_COMPONENTS_UDA_B_GR_FK1 : CO
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STRING_TRANS_16 : VARCHAR2(1000)
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STRING_TRANS_18 : VARCHAR2(1000)
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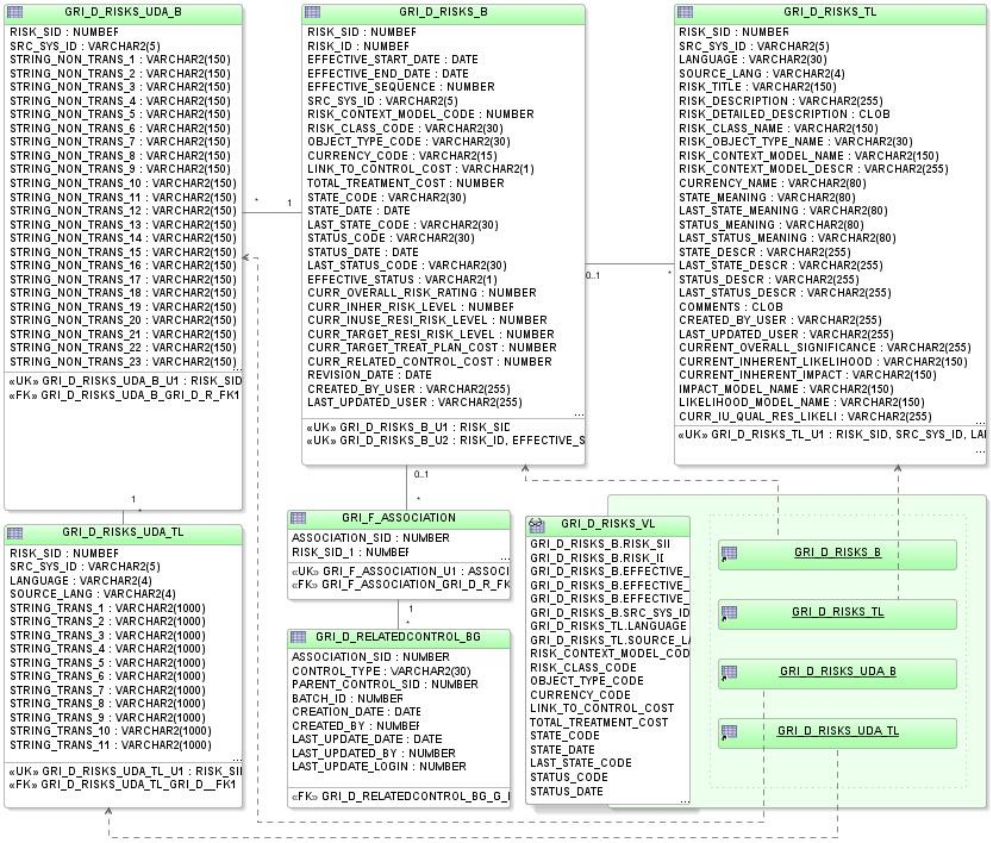
«FK» GRI_D_COMPONENTS_UDA_TL_G_FK1 : COMP

- **Risks**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GRI_D_RISKS_B
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CURR_TARGET_TREAT_PLAN_COST : NUMBER
CURR_RELATED_CONTROL_COST : NUMBER
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«UK» GRI_D_RISKS_B_U2 : RISK_ID, EFFECTIVE_S
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STRING_TRANS_11 : VARCHAR2(1000)
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RISK_SID_1 : NUMBEF
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«FK» GRI_F_ASSOCIATION_GRI_D_R_FK
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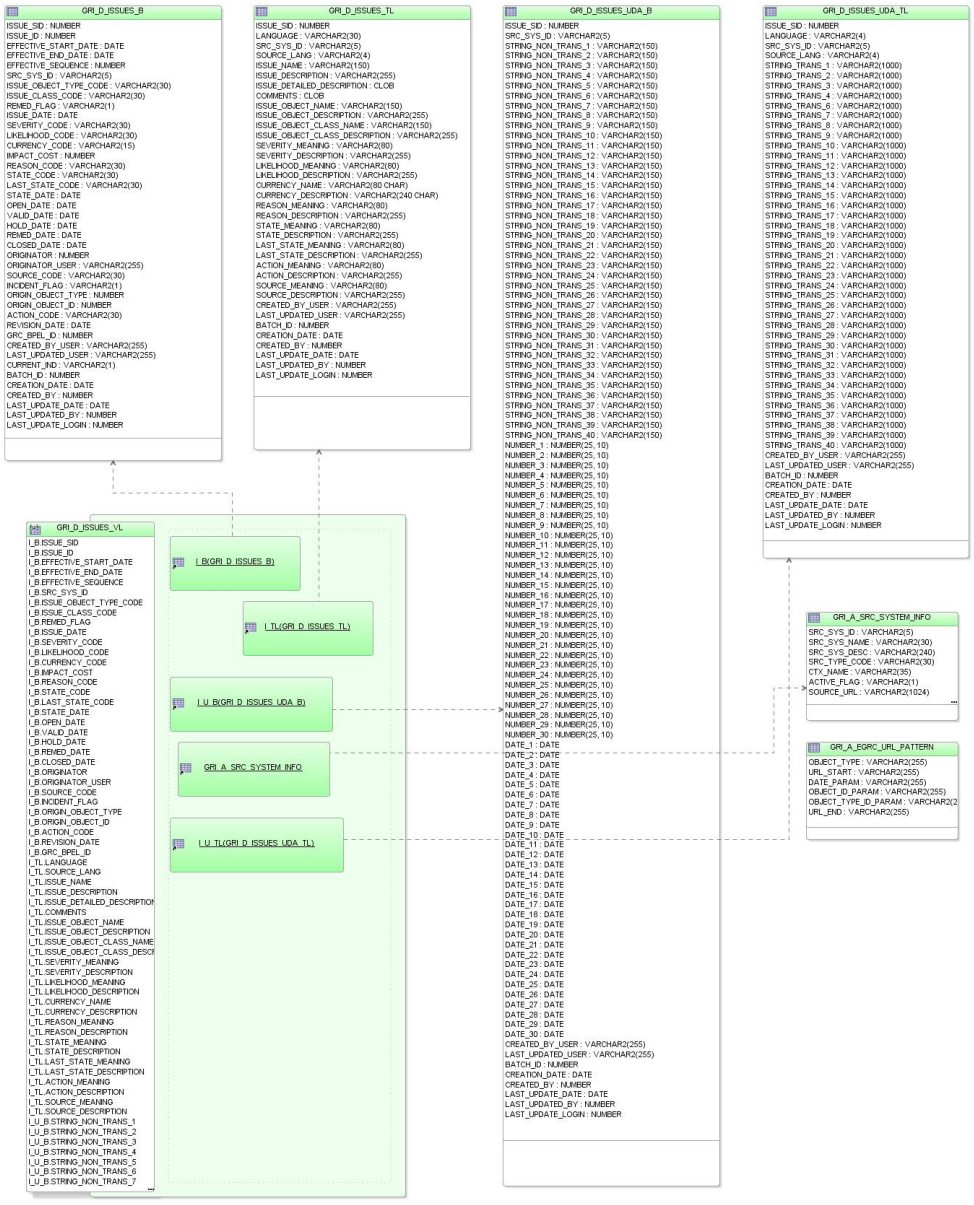
- **Issues**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LAST_UPDATE_LOGIN : NUMBER
GRI_D_ISSUES_UDA_B
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CREATION_DATE : DATE
CREATED_BY : NUMBER
LAST_UPDATE_DATE : DATE
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LAST_UPDATE_LOGIN : NUMBER
GRI_D_ISSUES_VL
I_B.ISSUE_SID
I_B.ISSUE_ID
I_B.EFFECTIVE_START_DATE
I_B.EFFECTIVE_END_DATE
I_B.EFFECTIVE_SEQUENCE
I_B.SRC_SYS_ID
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I_B.ISSUE_CLASS_CODE
I_B.REMED_FLAG
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I_B.CURRENCY_CODE
I_B.IMPACT_COST
I_B.REASON_CODE
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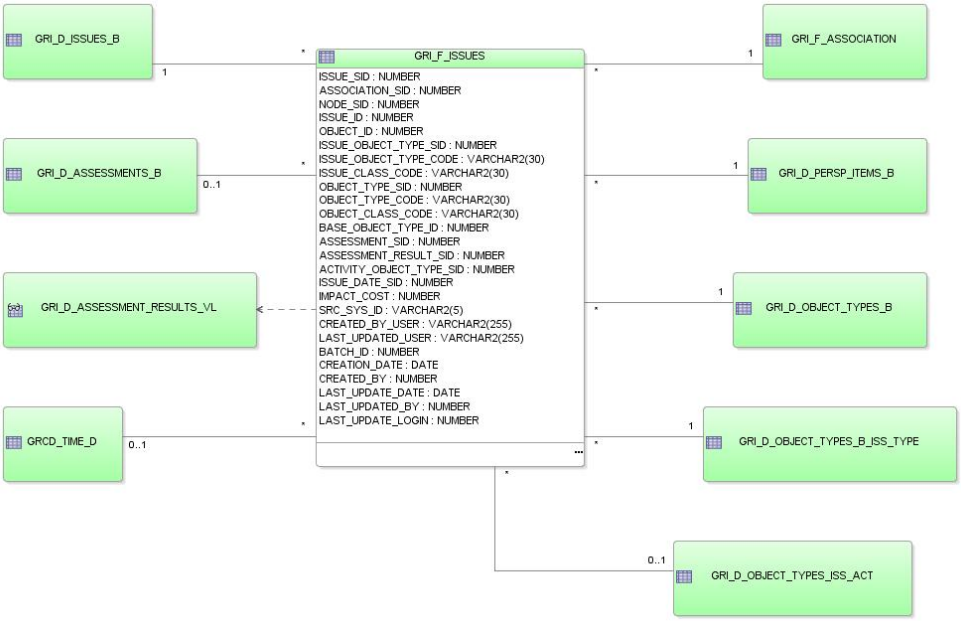
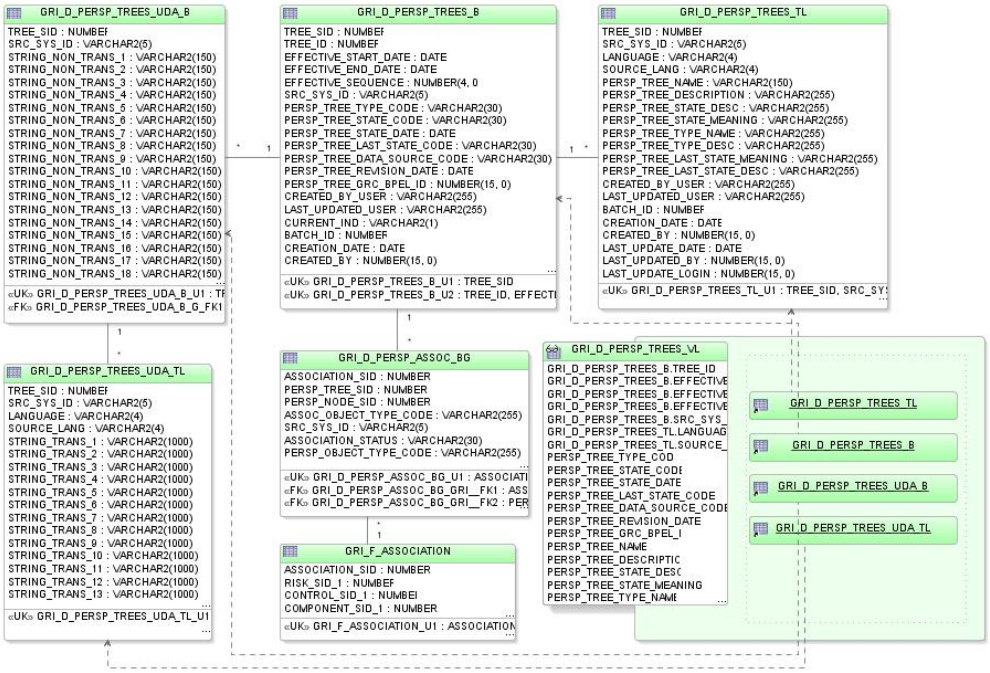
I_B.HOLD_DATE
I_B.REMED_DATE
I_B.CLOSED_DATE
I_B.ORIGINATOR
I_B.ORIGINATOR_USER
I_B.SOURCE_CODE
I_B.INCIDENT_FLAG
I_B.ORIGIN_OBJECT_TYPE
I_B.ORIGIN_OBJECT_ID
I_B.ACTION_CODE
I_B.REVISION_DATE
I_B.GRC_BPEL_ID
I_TL.LANGUAGE
I_TL.SOURCE_LANG
I_TL.ISSUE_NAME
I_TL.ISSUE_DESCRIPTION
I_TL.ISSUE_DETAILED_DESCRIPTION
I_TL.COMMENTS
I_TL.ISSUE_OBJECT_NAME
I_TL.ISSUE_OBJECT_DESCRIPTION
I_TL.ISSUE_OBJECT_CLASS_NAME
I_TL.ISSUE_OBJECT_CLASS_DESC
I_TL.SEVERITY_MEANING
I_TL.SEVERITY_DESCRIPTION
I_TL.LIKELIHOOD_MEANING
I_TL.LIKELIHOOD_DESCRIPTION
I_TL.CURRENCY_NAME
I_TL.CURRENCY_DESCRIPTION
I_TL.REASON_MEANING
I_TL.REASON_DESCRIPTION
I_TL.STATE_MEANING
I_TL.STATE_DESCRIPTION
I_TL.LAST_STATE_MEANING
I_TL.LAST_STATE_DESCRIPTION
I_TL.ACTION_MEANING
I_TL.ACTION_DESCRIPTION
I_TL.SOURCE_MEANING
I_TL.SOURCE_DESCRIPTION
I_U_B.STRING_NON_TRANS_1
I_U_B.STRING_NON_TRANS_2
I_U_B.STRING_NON_TRANS_3
I_U_B.STRING_NON_TRANS_4
I_U_B.STRING_NON_TRANS_5
I_U_B.STRING_NON_TRANS_6
I_U_B.STRING_NON_TRANS_7
I_B(GRI_D_ISSUES_B)
I_TL(GRI_D_ISSUES_TL)
I_U_B(GRI_D_ISSUES_UDA_B)
GRI_A_SRC_SYSTEM_INFO
I_U_TL(GRI_D_ISSUES_UDA_TL)
GRI_A_SRC_SYSTEM_INFO
SRC_SYS_ID : VARCHAR2(5)
SRC_SYS_NAME : VARCHAR2(30)
SRC_SYS_DESC : VARCHAR2(240)
SRC_TYPE_CODE : VARCHAR2(30)
CTX_NAME : VARCHAR2(35)
ACTIVE_FLAG : VARCHAR2(1)
SOURCE_URL : VARCHAR2(1024)
GRI_A_EGRC_URL_PATTERN
OBJECT_TYPE : VARCHAR2(255)
URL_START : VARCHAR2(255)
DATE_PARAM : VARCHAR2(255)
OBJECT_ID_PARAM : VARCHAR2(255)
OBJECT_TYPE_ID_PARAM : VARCHAR2(2
URL_END : VARCHAR2(255)

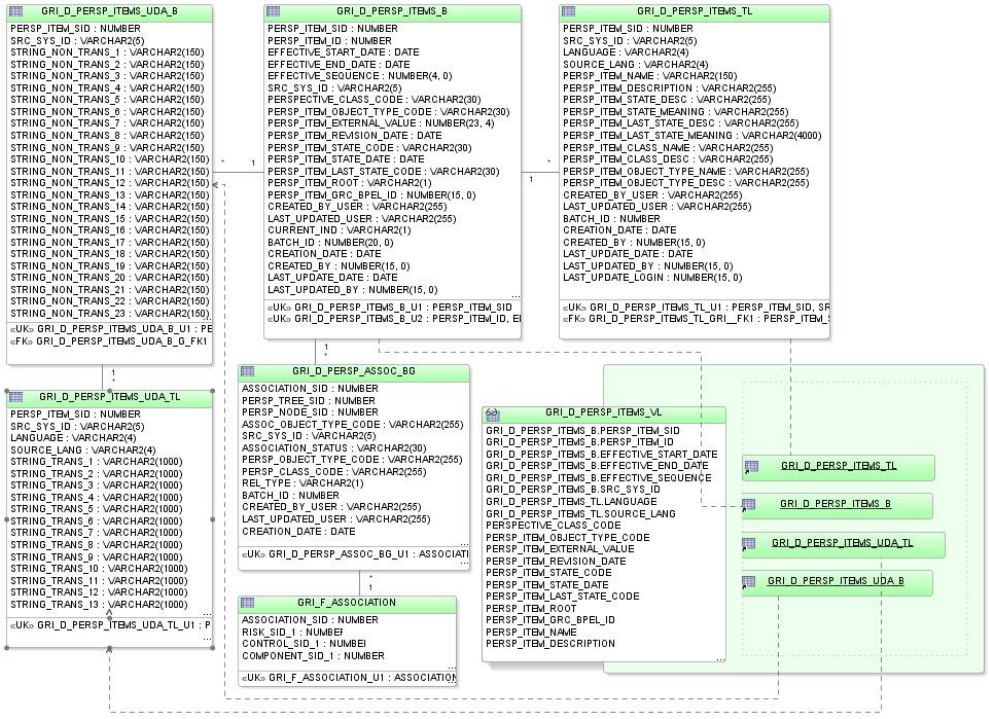
- **Issues Star**



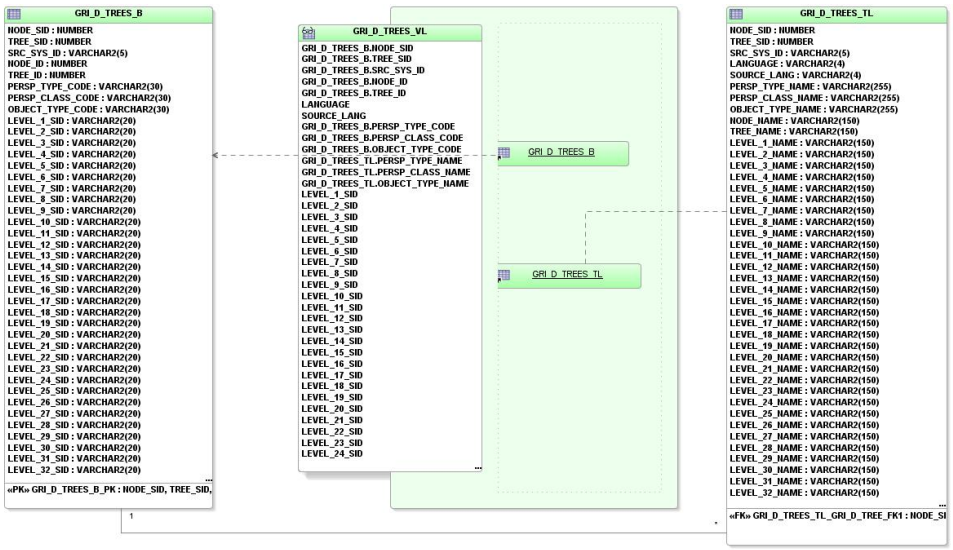
- **Perspective Hierarchy**



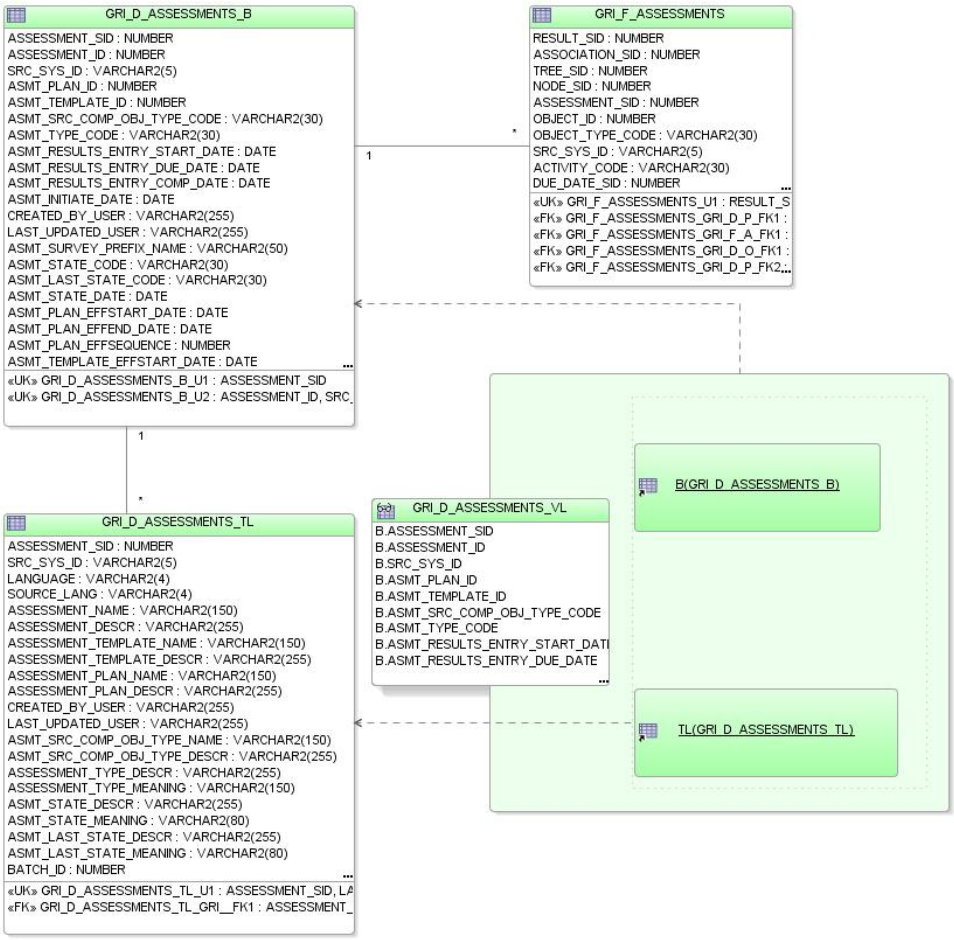
- **Perspective Items**



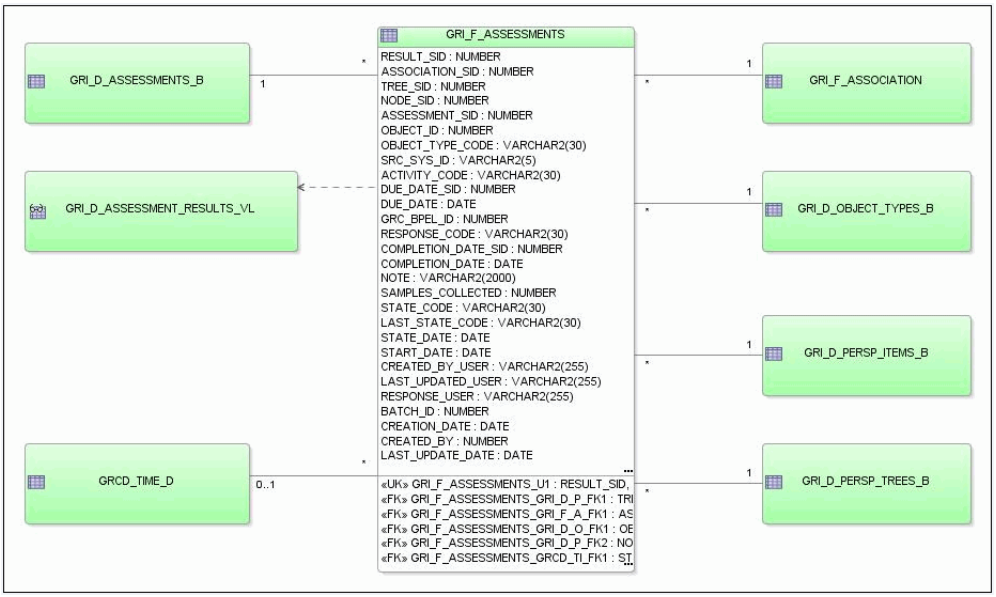
- **Trees**



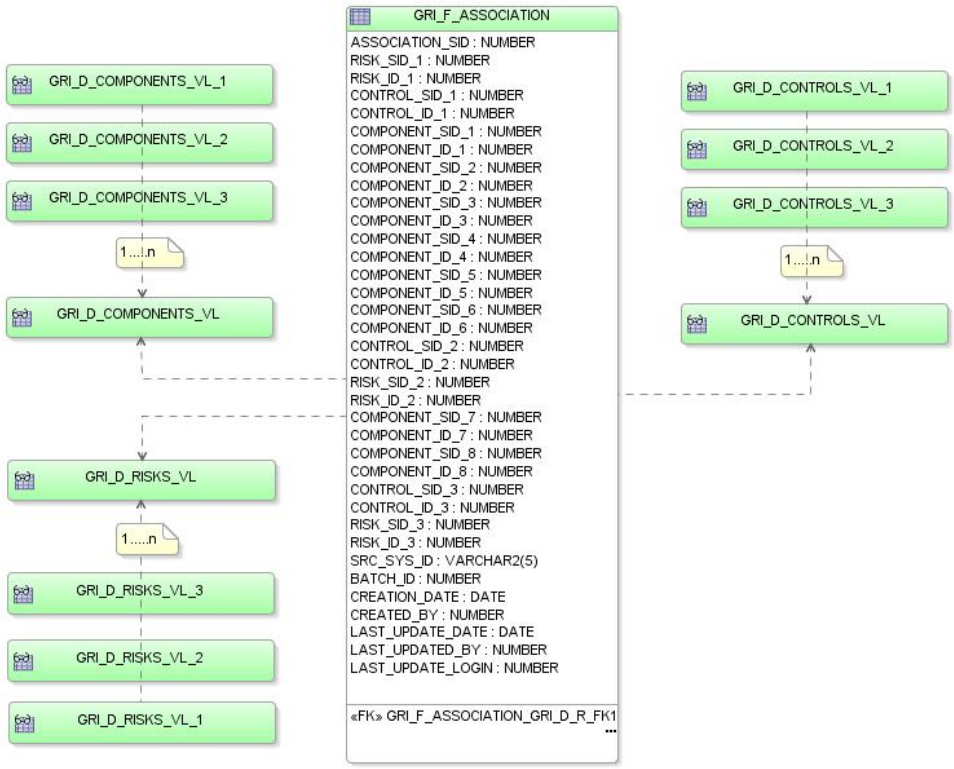
- **Assessment**



- **Assessment Star**

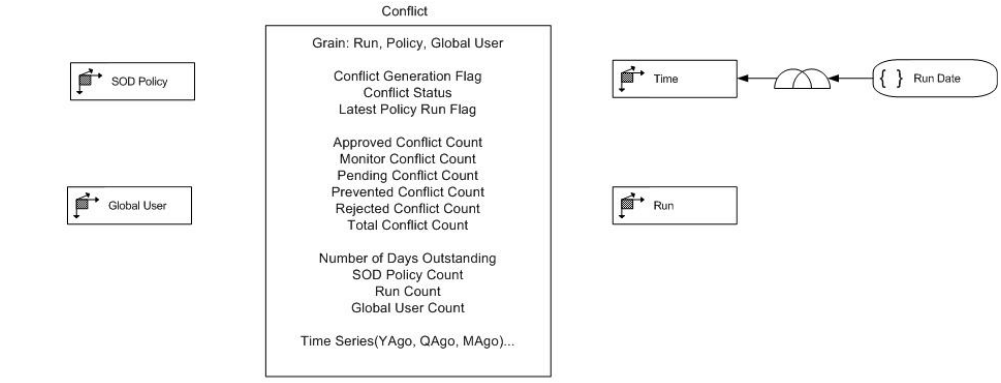


- **Association Star**



GRCI 3.0 - AACG 8.5 Logical Model

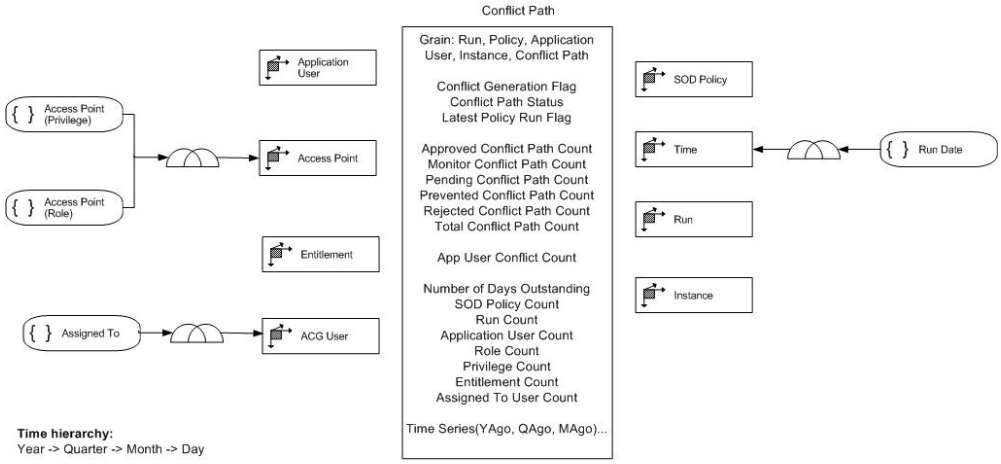
- **Conflicts**



Time hierarchy:
Year -> Quarter -> Month -> Day

Policy hierarchies:
Policy Type -> Policy Name
Policy Priority -> Policy Name
Process -> Policy Name
Risk -> Policy Name

- **Conflict Path**

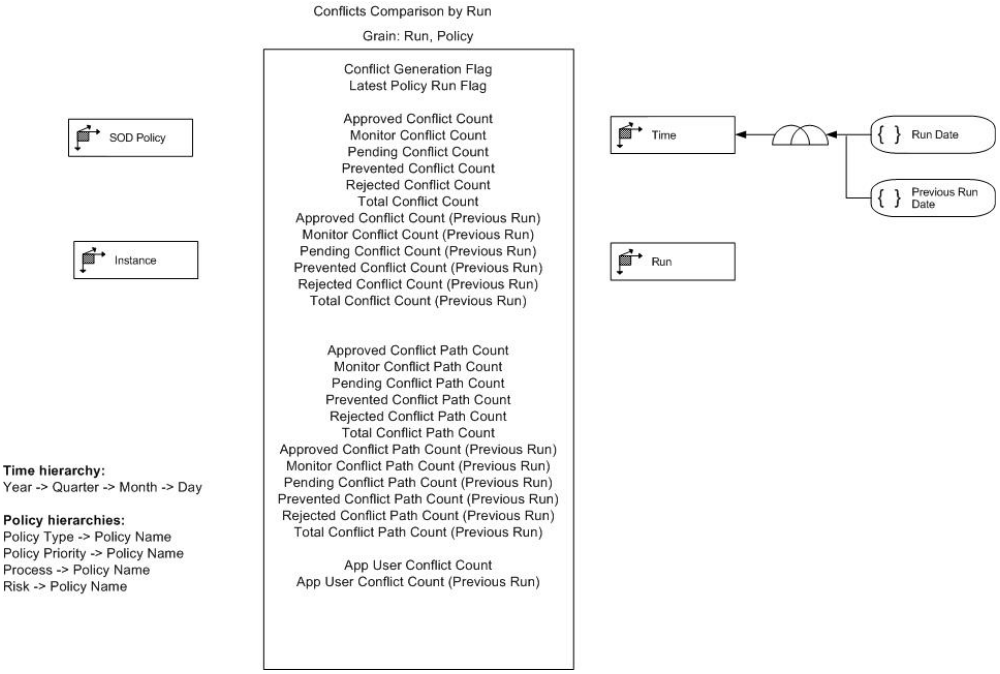


Time hierarchy:
Year -> Quarter -> Month -> Day

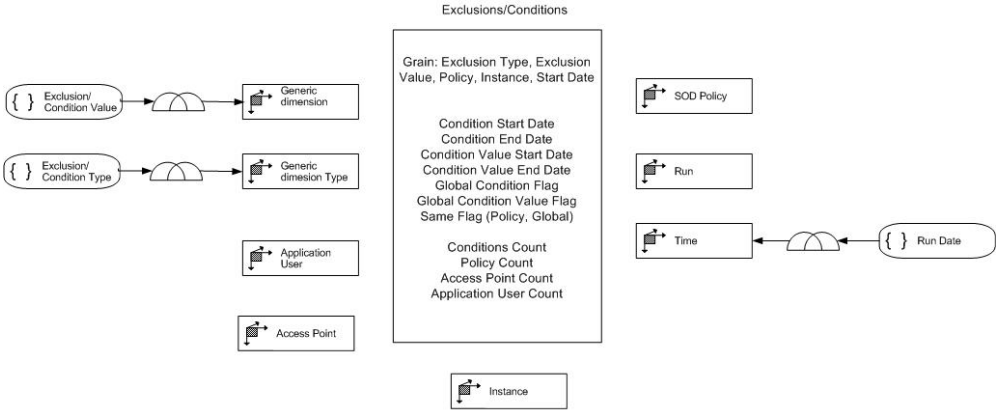
Policy hierarchies:
Policy Type -> Policy Name
Policy Priority -> Policy Name
Process -> Policy Name
Risk -> Policy Name

Access Point hierarchy:
Access Point Type -> Access Point Name

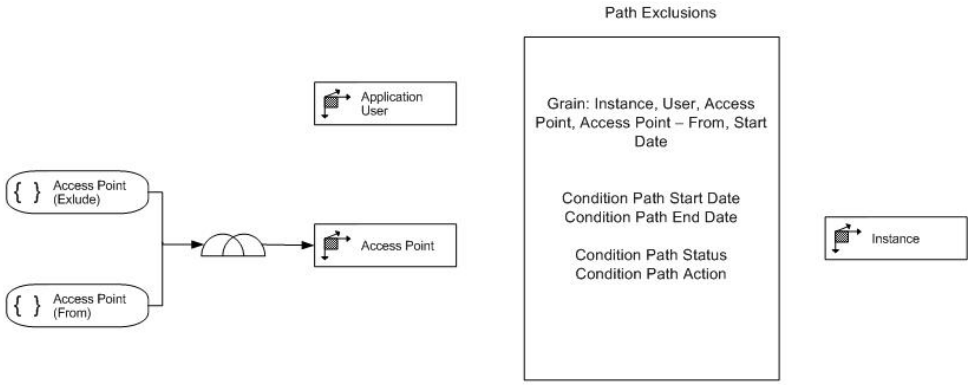
- **Conflict Comparison by Run**



- **Exclusions**



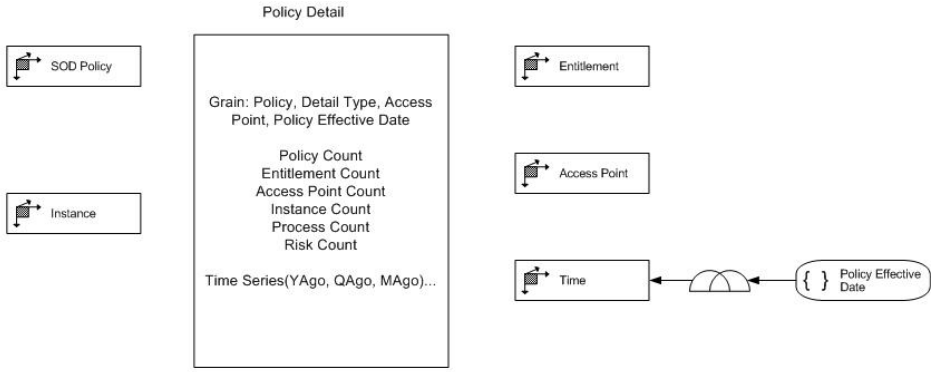
- **Path Exclusions**



Policy hierarchies:
Policy Type -> Policy Name
Policy Priority -> Policy Name
Process -> Policy Name
Risk -> Policy Name

Access Point hierarchy:
Access Point Type -> Access Point Name

- **Policy Detail**

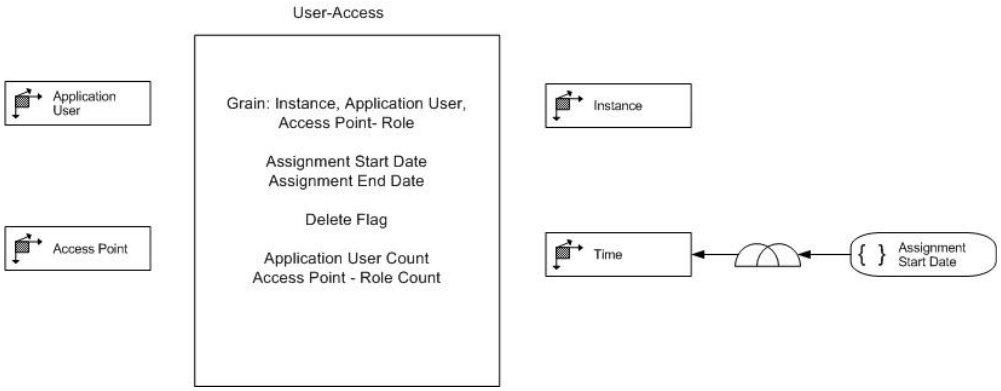


Time hierarchy:
Year -> Quarter -> Month -> Day

Policy hierarchies:
Policy Type -> Policy Name
Policy Priority -> Policy Name
Process -> Policy Name
Risk -> Policy Name

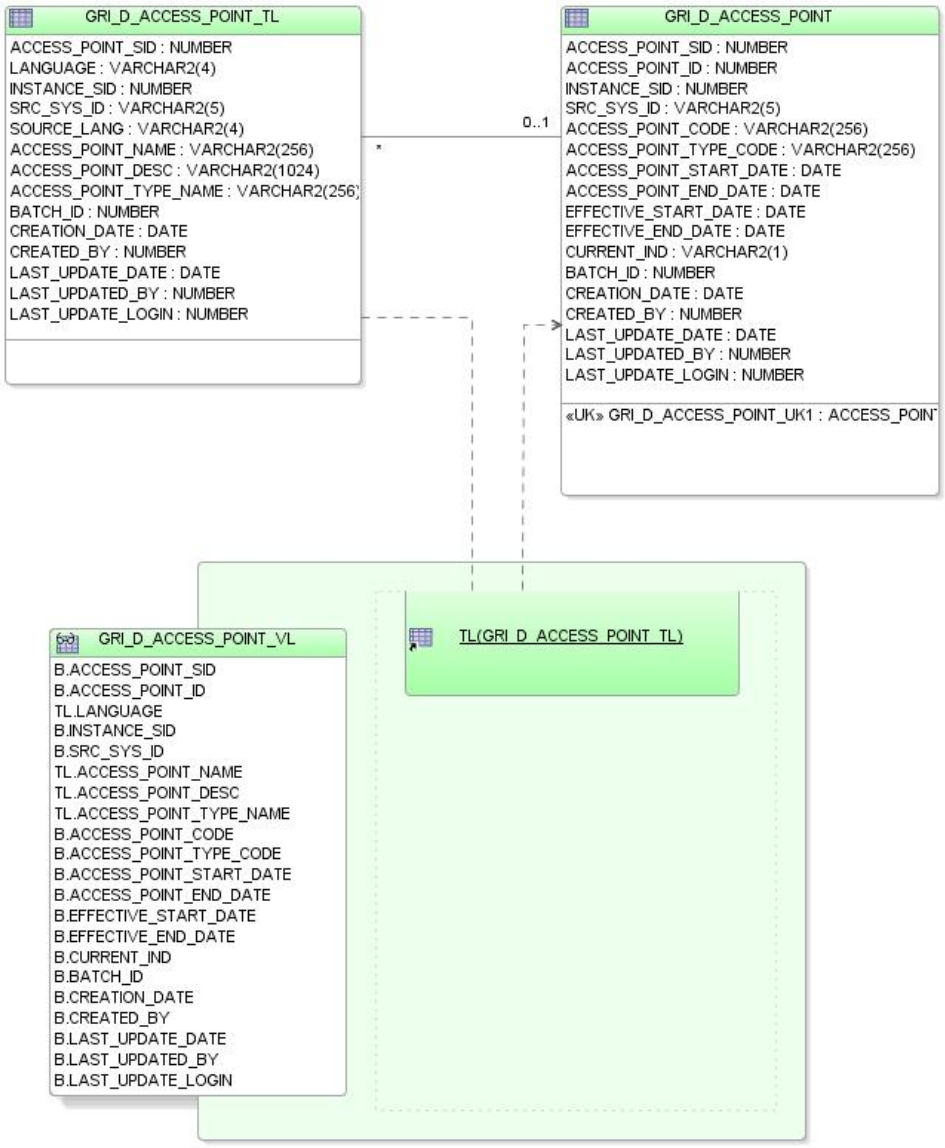
Access Point hierarchy:
Access Point Type -> Access Point Name

- **User Access**

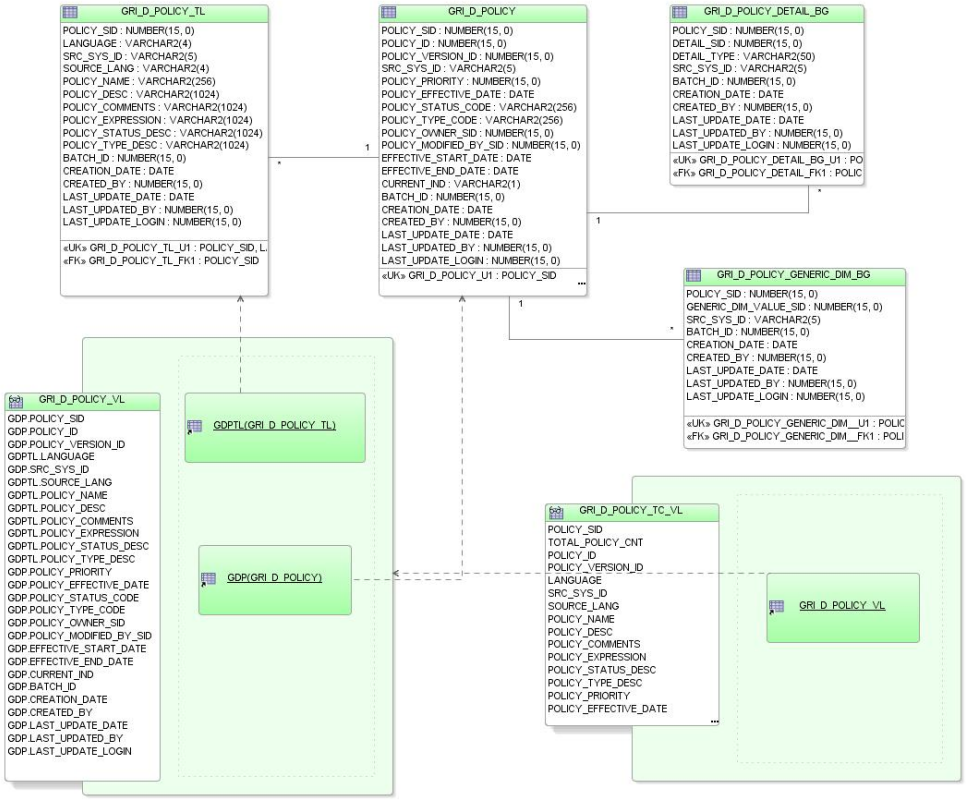


GRCI 3.0 - AACG 8.5 Physical Model

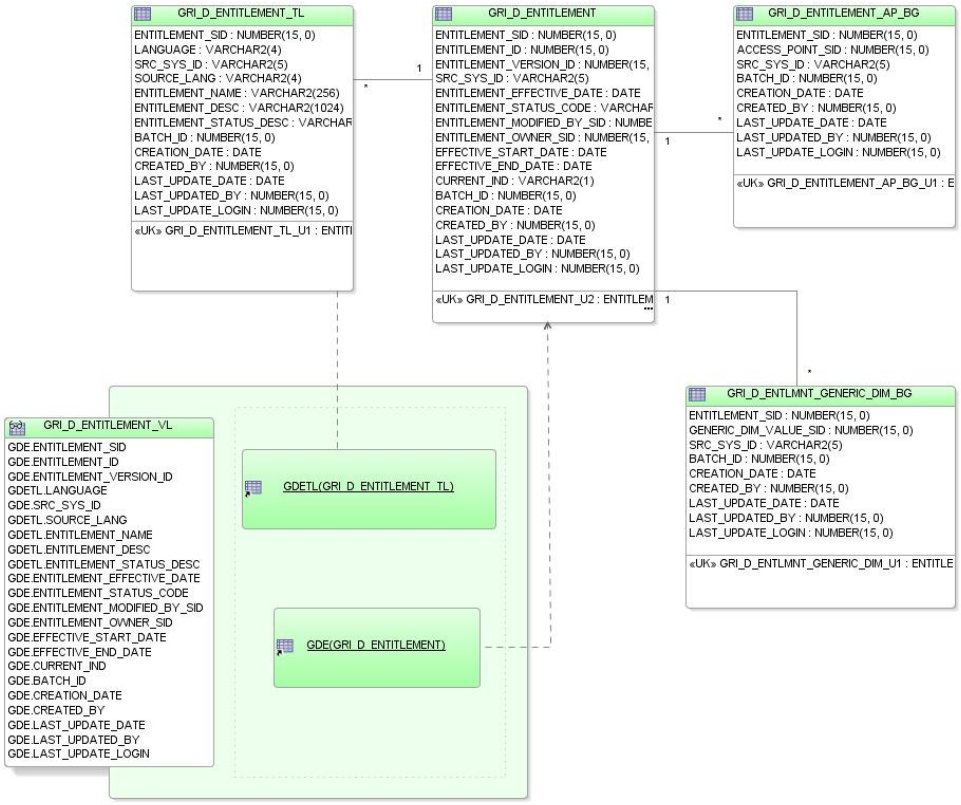
- **Access Point**


GRI_D_ACCESS_POINT_TL
ACCESS_POINT_SID : NUMBER
LANGUAGE : VARCHAR2(4)
INSTANCE_SID : NUMBER
SRC_SYS_ID : VARCHAR2(5)
SOURCE_LANG : VARCHAR2(4)
ACCESS_POINT_NAME : VARCHAR2(256)
ACCESS_POINT_DESC : VARCHAR2(1024)
ACCESS_POINT_TYPE_NAME : VARCHAR2(256)
BATCH_ID : NUMBER
CREATION_DATE : DATE
CREATED_BY : NUMBER
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER
LAST_UPDATE_LOGIN : NUMBER
0..1
*
GRI_D_ACCESS_POINT
ACCESS_POINT_SID : NUMBER
ACCESS_POINT_ID : NUMBER
INSTANCE_SID : NUMBER
SRC_SYS_ID : VARCHAR2(5)
ACCESS_POINT_CODE : VARCHAR2(256)
ACCESS_POINT_TYPE_CODE : VARCHAR2(256)
ACCESS_POINT_START_DATE : DATE
ACCESS_POINT_END_DATE : DATE
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(1)
BATCH_ID : NUMBER
CREATION_DATE : DATE
CREATED_BY : NUMBER
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER
LAST_UPDATE_LOGIN : NUMBER
«UK» GRI_D_ACCESS_POINT_UK1 : ACCESS_POIN
GRI_D_ACCESS_POINT_VL
B.ACCESS_POINT_SID
B.ACCESS_POINT_ID
TL.LANGUAGE
B.INSTANCE_SID
B.SRC_SYS_ID
TL.ACCESS_POINT_NAME
TL.ACCESS_POINT_DESC
TL.ACCESS_POINT_TYPE_NAME
B.ACCESS_POINT_CODE
B.ACCESS_POINT_TYPE_CODE
B.ACCESS_POINT_START_DATE
B.ACCESS_POINT_END_DATE
B.EFFECTIVE_START_DATE
B.EFFECTIVE_END_DATE
B.CURRENT_IND
B.BATCH_ID
B.CREATION_DATE
B.CREATED_BY
B.LAST_UPDATE_DATE
B.LAST_UPDATED_BY
B.LAST_UPDATE_LOGIN
TL(GRI_D_ACCESS_POINT_TL)

- **Policy**



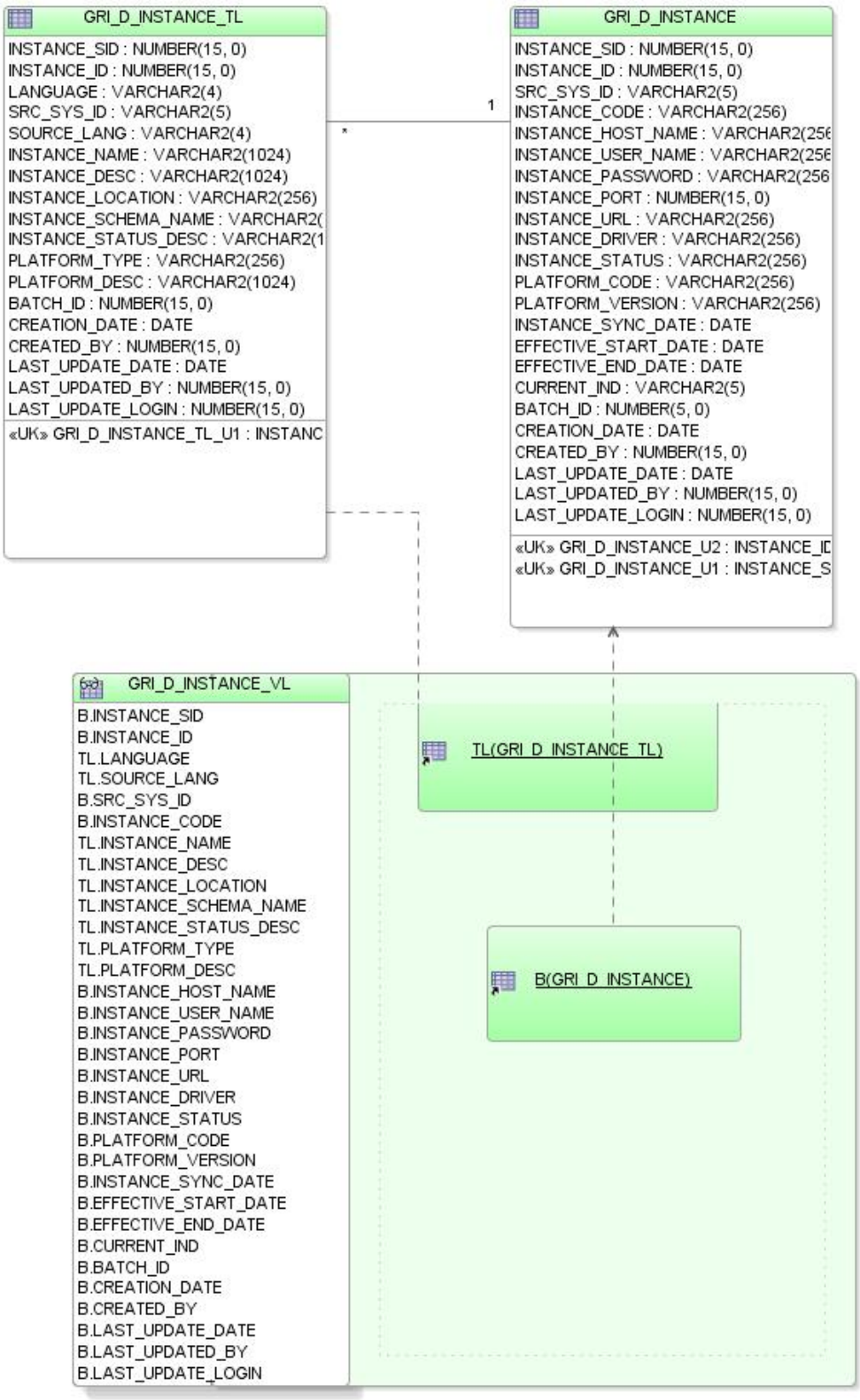
- **Entitlement**



- **Generic Dimension**


GRI_D_GENERIC_DIM_TL
GENERIC_DIM_SID : NUMBER(15, 0)
LANGUAGE : VARCHAR2(4)
SRC_SYS_ID : VARCHAR2(5)
SOURCE_LANG : VARCHAR2(4)
GENERIC_DIM_NAME : VARCHAR2(256)
GENERIC_DIM_DESC : VARCHAR2(1024)
GENERIC_DIM_STATUS_DESC : VARCHAR
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_GENERIC_DIM_TL_U1 : GENE
GRI_D_GENERIC_DIM
GENERIC_DIM_SID : NUMBER(15, 0)
GENERIC_DIM_ID : NUMBER(15, 0)
SRC_SYS_ID : VARCHAR2(5)
GENERIC_DIM_TYPE_CODE : VARCHAR2(
GENERIC_DIM_STATUS_CODE : VARCHAR
INSTANCE_SID : NUMBER(15, 0)
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(1)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_GENERIC_DIM_U1 : GENERIC_
«UK» GRI_D_GENERIC_DIM_U2 : GENERIC_
GRI_D_GENERIC_DIM_VAL
GENERIC_DIM_VAL_SID : NUMBER(15, 0)
GENERIC_DIM_SID : NUMBER(15, 0)
GENERIC_DIM_VAL_ID : NUMBER(15, 0)
SRC_SYS_ID : VARCHAR2(5)
GENERIC_DIM_VAL_STATUS_CODE : VAR
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(1)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_GENERIC_DIM_VAL_U2 : GEN
«UK» GRI_D_GENERIC_DIM_VAL_U1 : GEN
GRI_D_GENERIC_DIM_VAL_TL
GENERIC_DIM_VAL_SID : NUMBER(15, 0)
LANGUAGE : VARCHAR2(4)
SRC_SYS_ID : VARCHAR2(5)
SOURCE_LANG : VARCHAR2(4)
GENERIC_DIM_VAL_NAME : VARCHAR2(256
GENERIC_DIM_VAL_STATUS_DESC : VARCH
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_GENERIC_DIM_VAL_TL_U1 : GE
«FK» GRI_D_GENERIC_DIM_VAL_TL__FK1 : C
1
0..1
*
0..1
GRI_D_GENERIC_DIM_VL
B.GENERIC_DIM_SID
B.GENERIC_DIM_ID
TL.LANGUAGE
B.SRC_SYS_ID
TL.SOURCE_LANG
B.GENERIC_DIM_TYPE_CODE
TL.GENERIC_DIM_NAME
TL.GENERIC_DIM_DESC
B.GENERIC_DIM_STATUS_CODE
TL.GENERIC_DIM_STATUS_DESC
B.INSTANCE_SID
B.EFFECTIVE_START_DATE
B.EFFECTIVE_END_DATE
B.CURRENT_IND
B.BATCH_ID
B.CREATION_DATE
B.CREATED_BY
B.LAST_UPDATE_DATE
B.LAST_UPDATED_BY
B.LAST_UPDATE_LOGIN
TL(GRI_D_GENERIC_DIM_TL)
B(GRI_D_GENERIC_DIM)
GRI_D_GENERIC_DIM_VAL_VL
B.GENERIC_DIM_VAL_SID
B.GENERIC_DIM_SID
B.GENERIC_DIM_VAL_ID
TL.LANGUAGE
B.SRC_SYS_ID
TL.SOURCE_LANG
TL.GENERIC_DIM_VAL_NAME
B.GENERIC_DIM_VAL_STATUS_CODE
TL.GENERIC_DIM_VAL_STATUS_DESC
B.EFFECTIVE_START_DATE
B.EFFECTIVE_END_DATE
B.CURRENT_IND
B.BATCH_ID
B.CREATION_DATE
B.CREATED_BY
B.LAST_UPDATE_DATE
B.LAST_UPDATED_BY
B.LAST_UPDATE_LOGIN
B(GRI_D_GENERIC_DIM_VAL)
TL(GRI_D_GENERIC_DIM_VAL_TL)
Type as Business Process
GRI_D_GENERIC_DIM_VAL_BP_VL
Type as Risk
GRI_D_GENERIC_DIM_VAL_RISK_VL

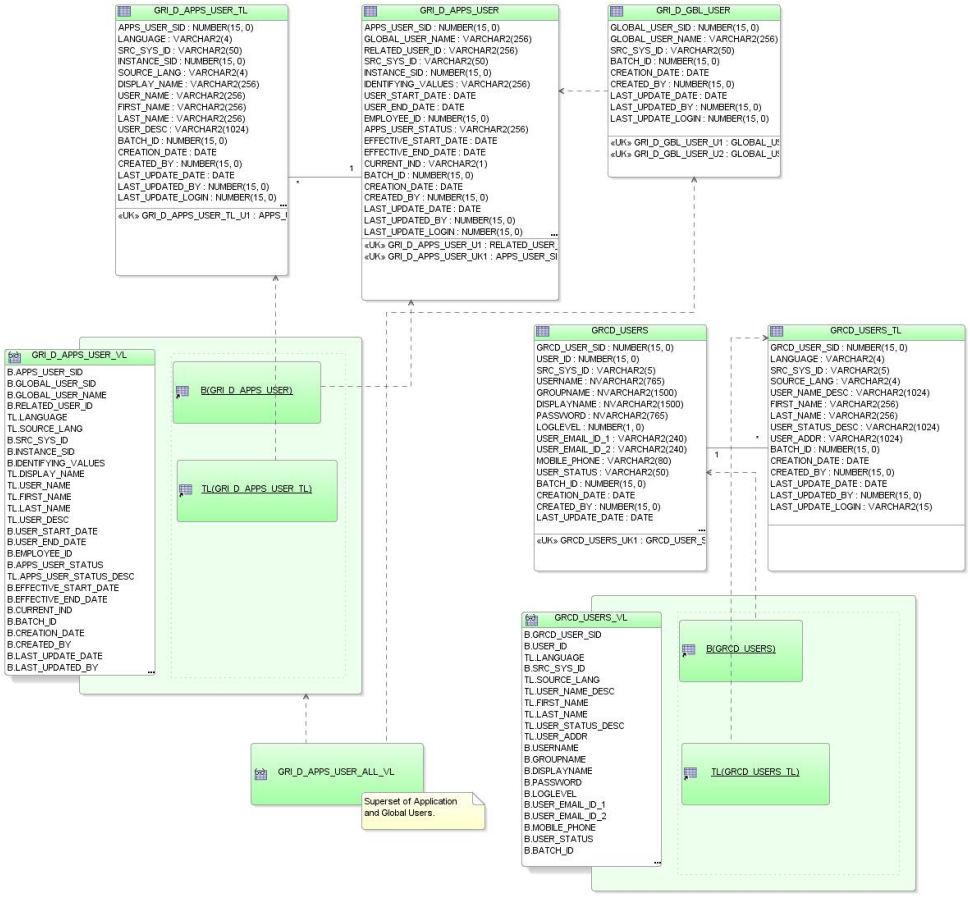
- **Instance**


GRI_D_INSTANCE_TL
INSTANCE_SID : NUMBER(15, 0)
INSTANCE_ID : NUMBER(15, 0)
LANGUAGE : VARCHAR2(4)
SRC_SYS_ID : VARCHAR2(5)
SOURCE_LANG : VARCHAR2(4)
INSTANCE_NAME : VARCHAR2(1024)
INSTANCE_DESC : VARCHAR2(1024)
INSTANCE_LOCATION : VARCHAR2(256)
INSTANCE_SCHEMA_NAME : VARCHAR2(
INSTANCE_STATUS_DESC : VARCHAR2(1
PLATFORM_TYPE : VARCHAR2(256)
PLATFORM_DESC : VARCHAR2(1024)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_INSTANCE_TL_U1 : INSTANC
1
*
GRI_D_INSTANCE
INSTANCE_SID : NUMBER(15, 0)
INSTANCE_ID : NUMBER(15, 0)
SRC_SYS_ID : VARCHAR2(5)
INSTANCE_CODE : VARCHAR2(256)
INSTANCE_HOST_NAME : VARCHAR2(256
INSTANCE_USER_NAME : VARCHAR2(256
INSTANCE_PASSWORD : VARCHAR2(256
INSTANCE_PORT : NUMBER(15, 0)
INSTANCE_URL : VARCHAR2(256)
INSTANCE_DRIVER : VARCHAR2(256)
INSTANCE_STATUS : VARCHAR2(256)
PLATFORM_CODE : VARCHAR2(256)
PLATFORM_VERSION : VARCHAR2(256)
INSTANCE_SYNC_DATE : DATE
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(5)
BATCH_ID : NUMBER(5, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_INSTANCE_U2 : INSTANCE_ID
«UK» GRI_D_INSTANCE_U1 : INSTANCE_S
GRI_D_INSTANCE_VL
B.INSTANCE_SID
B.INSTANCE_ID
TL.LANGUAGE
TL.SOURCE_LANG
B.SRC_SYS_ID
B.INSTANCE_CODE
TL.INSTANCE_NAME
TL.INSTANCE_DESC
TL.INSTANCE_LOCATION
TL.INSTANCE_SCHEMA_NAME
TL.INSTANCE_STATUS_DESC
TL.PLATFORM_TYPE
TL.PLATFORM_DESC
B.INSTANCE_HOST_NAME
B.INSTANCE_USER_NAME
B.INSTANCE_PASSWORD
B.INSTANCE_PORT
B.INSTANCE_URL
B.INSTANCE_DRIVER
B.INSTANCE_STATUS
B.PLATFORM_CODE
B.PLATFORM_VERSION
B.INSTANCE_SYNC_DATE
B.EFFECTIVE_START_DATE
B.EFFECTIVE_END_DATE
B.CURRENT_IND
B.BATCH_ID
B.CREATION_DATE
B.CREATED_BY
B.LAST_UPDATE_DATE
B.LAST_UPDATED_BY
B.LAST_UPDATE_LOGIN
TL(GRI_D_INSTANCE_TL)
B(GRI_D_INSTANCE)

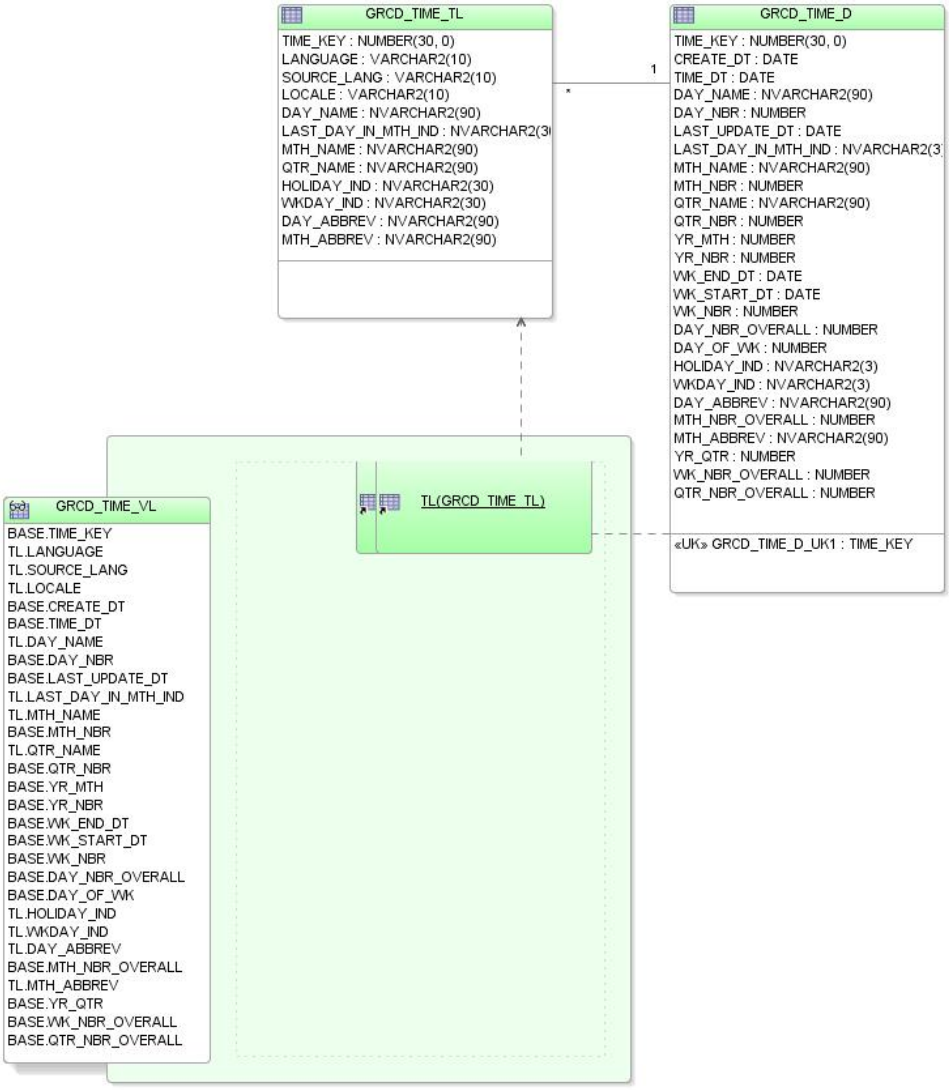
- **Run**


GRI_D_RUN
RUN_SID : NUMBER(15, 0)
SRC_SYS_ID : VARCHAR2(50)
RUN_ID : NUMBER(15, 0)
RUN_DATE_SID : NUMBER(15, 0)
TOTAL_CONFLICTS_CNT : NUMBER(15, 0)
TOTAL_CONFLICT_PATH_CNT : NUMBER(15, 0)
RUN_END_DATE : DATE
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(1)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATE_LOGIN : NUMBER(15, 0)
LAST_UPDATED_BY : NUMBER(15, 0)
«UK» GRI_D_RUN_U1 : RUN_SID
«UK» GRI_D_RUN_U2 : RUN_ID, SRC_SYS_ID
GRI_D_RUN_LATEST_FLAG_V
R.RUN_SID
SRC_SYS_ID
RUN_ID
RUN_DATE_SID
TOTAL_CONFLICTS_CNT
TOTAL_CONFLICT_PATH_CNT
RUN_END_DATE
EFFECTIVE_START_DATE
EFFECTIVE_END_DATE
CURRENT_IND
BATCH_ID
CREATION_DATE
CREATED_BY
LAST_UPDATE_DATE
LAST_UPDATE_LOGIN
LAST_UPDATED_BY
LATEST_RUN_FLAG(CASE WHEN R.RUN_SID
R(GRI_D_RUN)

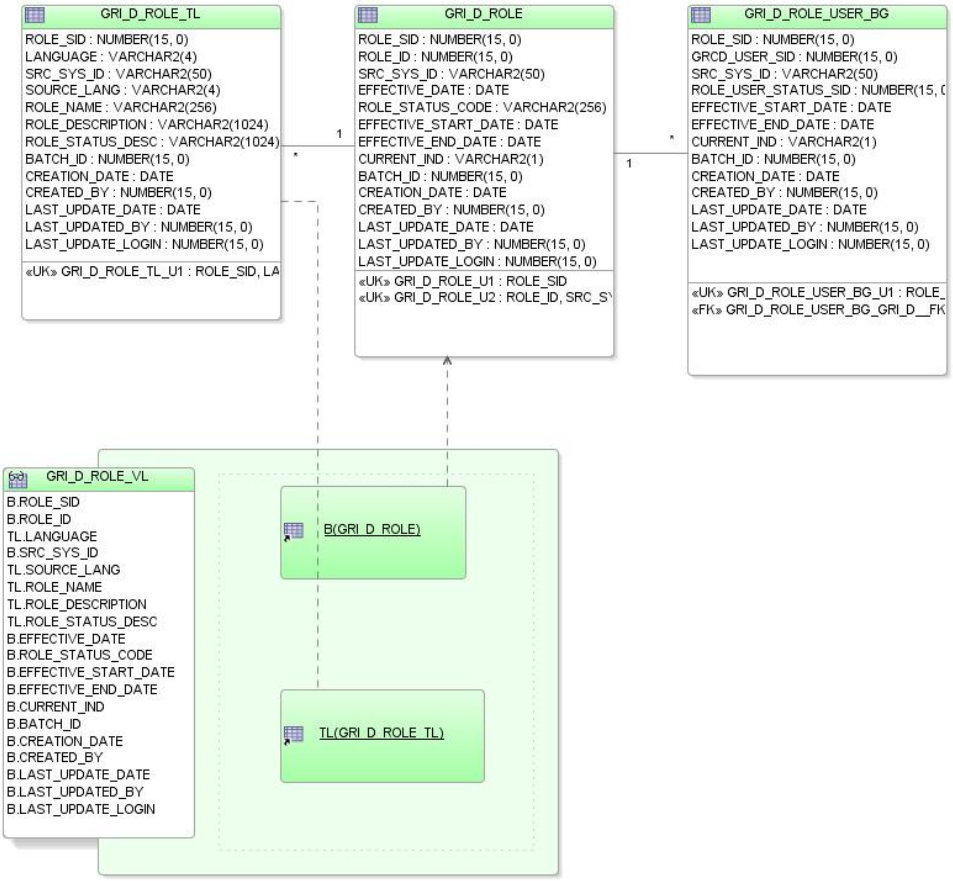
- **User**


GRI_D_APPS_USER_TL
APPS_USER_SID : NUMBER(15, 0)
LANGUAGE : VARCHAR2(4)
SRC_SYS_ID : VARCHAR2(50)
INSTANCE_SID : NUMBER(15, 0)
SOURCE_LANG : VARCHAR2(4)
DISPLAY_NAME : VARCHAR2(256)
USER_NAME : VARCHAR2(256)
FIRST_NAME : VARCHAR2(256)
LAST_NAME : VARCHAR2(256)
USER_DESC : VARCHAR2(1024)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_APPS_USER_TL_U1 : APPS_
GRI_D_APPS_USER
APPS_USER_SID : NUMBER(15, 0)
GLOBAL_USER_NAME : VARCHAR2(256)
RELATED_USER_ID : VARCHAR2(256)
SRC_SYS_ID : VARCHAR2(50)
INSTANCE_SID : NUMBER(15, 0)
IDENTIFYING_VALUES : VARCHAR2(256)
USER_START_DATE : DATE
USER_END_DATE : DATE
EMPLOYEE_ID : NUMBER(15, 0)
APPS_USER_STATUS : VARCHAR2(256)
EFFECTIVE_START_DATE : DATE
EFFECTIVE_END_DATE : DATE
CURRENT_IND : VARCHAR2(1)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_APPS_USER_U1 : RELATED_USER_
«UK» GRI_D_APPS_USER_UK1 : APPS_USER_SI
GRI_D_GBL_USER
GLOBAL_USER_SID : NUMBER(15, 0)
GLOBAL_USER_NAME : VARCHAR2(256)
SRC_SYS_ID : VARCHAR2(50)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : NUMBER(15, 0)
«UK» GRI_D_GBL_USER_U1 : GLOBAL_U
«UK» GRI_D_GBL_USER_U2 : GLOBAL_U
1
*
GRI_D_APPS_USER_VL
B.APPS_USER_SID
B.GLOBAL_USER_SID
B.GLOBAL_USER_NAME
B.RELATED_USER_ID
TL.LANGUAGE
TL.SOURCE_LANG
B.SRC_SYS_ID
B.INSTANCE_SID
B.IDENTIFYING_VALUES
TL.DISPLAY_NAME
TL.USER_NAME
TL.FIRST_NAME
TL.LAST_NAME
TL.USER_DESC
B.USER_START_DATE
B.USER_END_DATE
B.EMPLOYEE_ID
B.APPS_USER_STATUS
TL.APPS_USER_STATUS_DESC
B.EFFECTIVE_START_DATE
B.EFFECTIVE_END_DATE
B.CURRENT_IND
B.BATCH_ID
B.CREATION_DATE
B.CREATED_BY
B.LAST_UPDATE_DATE
B.LAST_UPDATED_BY
B(GRI_D_APPS_USER)
TL(GRI_D_APPS_USER_TL)
GRI_D_APPS_USER_ALL_VL
Superset of Application and Global Users.
GRCD_USERS
GRCD_USER_SID : NUMBER(15, 0)
USER_ID : NUMBER(15, 0)
SRC_SYS_ID : VARCHAR2(5)
USERNAME : NVARCHAR2(765)
GROUPNAME : NVARCHAR2(1500)
DISPLAYNAME : NVARCHAR2(1500)
PASSWORD : NVARCHAR2(765)
LOGLEVEL : NUMBER(1, 0)
USER_EMAIL_ID_1 : VARCHAR2(240)
USER_EMAIL_ID_2 : VARCHAR2(240)
MOBILE_PHONE : VARCHAR2(80)
USER_STATUS : VARCHAR2(50)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
«UK» GRCD_USERS_UK1 : GRCD_USER_S
GRCD_USERS_TL
GRCD_USER_SID : NUMBER(15, 0)
LANGUAGE : VARCHAR2(4)
SRC_SYS_ID : VARCHAR2(5)
SOURCE_LANG : VARCHAR2(4)
USER_NAME_DESC : VARCHAR2(1024)
FIRST_NAME : VARCHAR2(256)
LAST_NAME : VARCHAR2(256)
USER_STATUS_DESC : VARCHAR2(1024)
USER_ADDR : VARCHAR2(1024)
BATCH_ID : NUMBER(15, 0)
CREATION_DATE : DATE
CREATED_BY : NUMBER(15, 0)
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER(15, 0)
LAST_UPDATE_LOGIN : VARCHAR2(15)
GRCD_USERS_VL
B.GRCD_USER_SID
B.USER_ID
TL.LANGUAGE
B.SRC_SYS_ID
TL.SOURCE_LANG
TL.USER_NAME_DESC
TL.FIRST_NAME
TL.LAST_NAME
TL.USER_STATUS_DESC
TL.USER_ADDR
B.USERNAME
B.GROUPNAME
B.DISPLAYNAME
B.PASSWORD
B.LOGLEVEL
B.USER_EMAIL_ID_1
B.USER_EMAIL_ID_2
B.MOBILE_PHONE
B.USER_STATUS
B.BATCH_ID
B(GRCD_USERS)
TL(GRCD_USERS_TL)

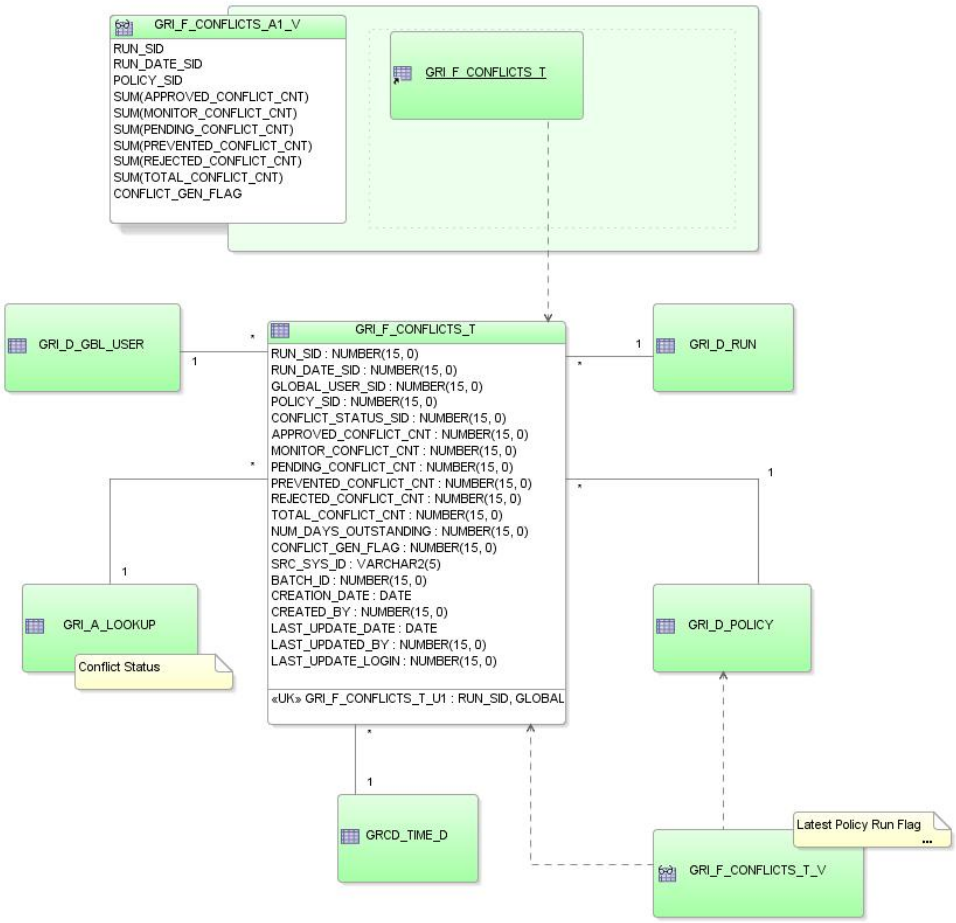
- **Time**


GRCD_TIME_TL
TIME_KEY : NUMBER(30, 0)
LANGUAGE : VARCHAR2(10)
SOURCE_LANG : VARCHAR2(10)
LOCALE : VARCHAR2(10)
DAY_NAME : NVARCHAR2(90)
LAST_DAY_IN_MTH_IND : NVARCHAR2(3
MTH_NAME : NVARCHAR2(90)
QTR_NAME : NVARCHAR2(90)
HOLIDAY_IND : NVARCHAR2(30)
WKDAY_IND : NVARCHAR2(30)
DAY_ABBREV : NVARCHAR2(90)
MTH_ABBREV : NVARCHAR2(90)
1
*
GRCD_TIME_D
TIME_KEY : NUMBER(30, 0)
CREATE_DT : DATE
TIME_DT : DATE
DAY_NAME : NVARCHAR2(90)
DAY_NBR : NUMBER
LAST_UPDATE_DT : DATE
LAST_DAY_IN_MTH_IND : NVARCHAR2(3
MTH_NAME : NVARCHAR2(90)
MTH_NBR : NUMBER
QTR_NAME : NVARCHAR2(90)
QTR_NBR : NUMBER
YR_MTH : NUMBER
YR_NBR : NUMBER
WK_END_DT : DATE
WK_START_DT : DATE
WK_NBR : NUMBER
DAY_NBR_OVERALL : NUMBER
DAY_OF_WK : NUMBER
HOLIDAY_IND : NVARCHAR2(3)
WKDAY_IND : NVARCHAR2(3)
DAY_ABBREV : NVARCHAR2(90)
MTH_NBR_OVERALL : NUMBER
MTH_ABBREV : NVARCHAR2(90)
YR_QTR : NUMBER
WK_NBR_OVERALL : NUMBER
QTR_NBR_OVERALL : NUMBER
«UK» GRCD_TIME_D_UK1 : TIME_KEY
TL(GRCD_TIME_TL)
GRCD_TIME_VL
BASE.TIME_KEY
TL.LANGUAGE
TL.SOURCE_LANG
TL.LOCALE
BASE.CREATE_DT
BASE.TIME_DT
TL.DAY_NAME
BASE.DAY_NBR
BASE.LAST_UPDATE_DT
TL.LAST_DAY_IN_MTH_IND
TL.MTH_NAME
BASE.MTH_NBR
TL.QTR_NAME
BASE.QTR_NBR
BASE.YR_MTH
BASE.YR_NBR
BASE.WK_END_DT
BASE.WK_START_DT
BASE.WK_NBR
BASE.DAY_NBR_OVERALL
BASE.DAY_OF_WK
TL.HOLIDAY_IND
TL.WKDAY_IND
TL.DAY_ABBREV
BASE.MTH_NBR_OVERALL
TL.MTH_ABBREV
BASE.YR_QTR
BASE.WK_NBR_OVERALL
BASE.QTR_NBR_OVERALL

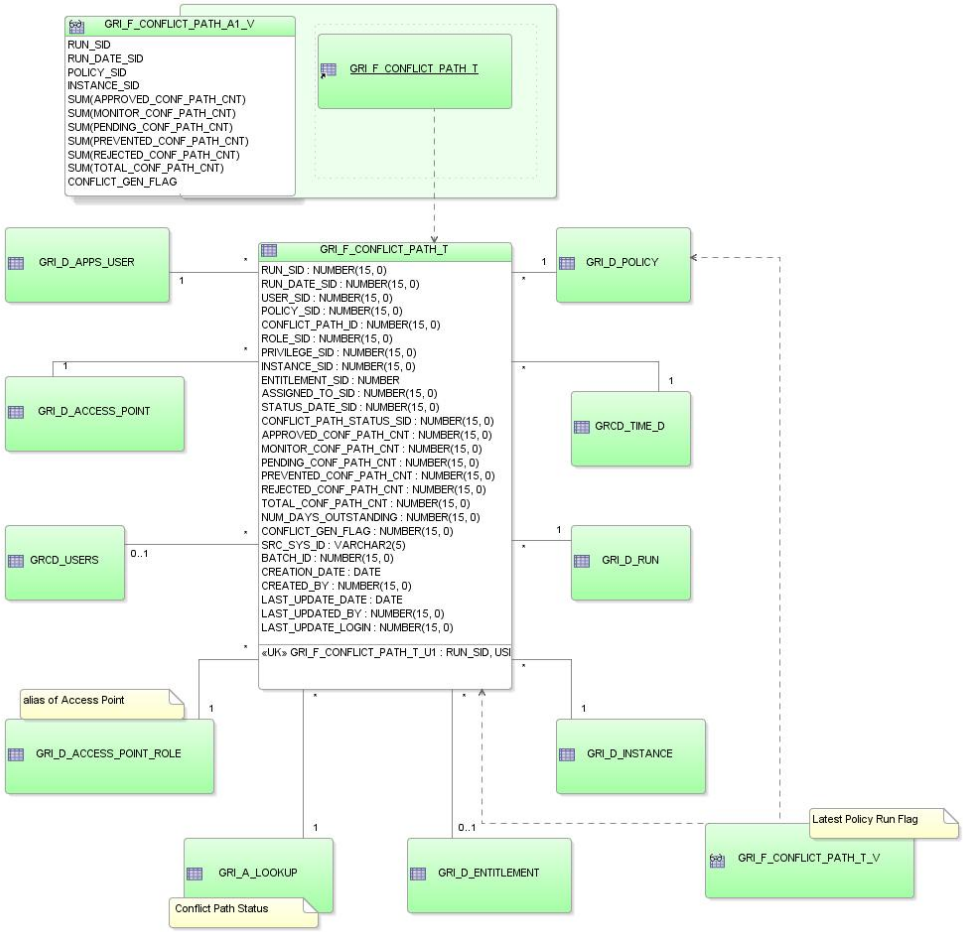
- **AG Role**



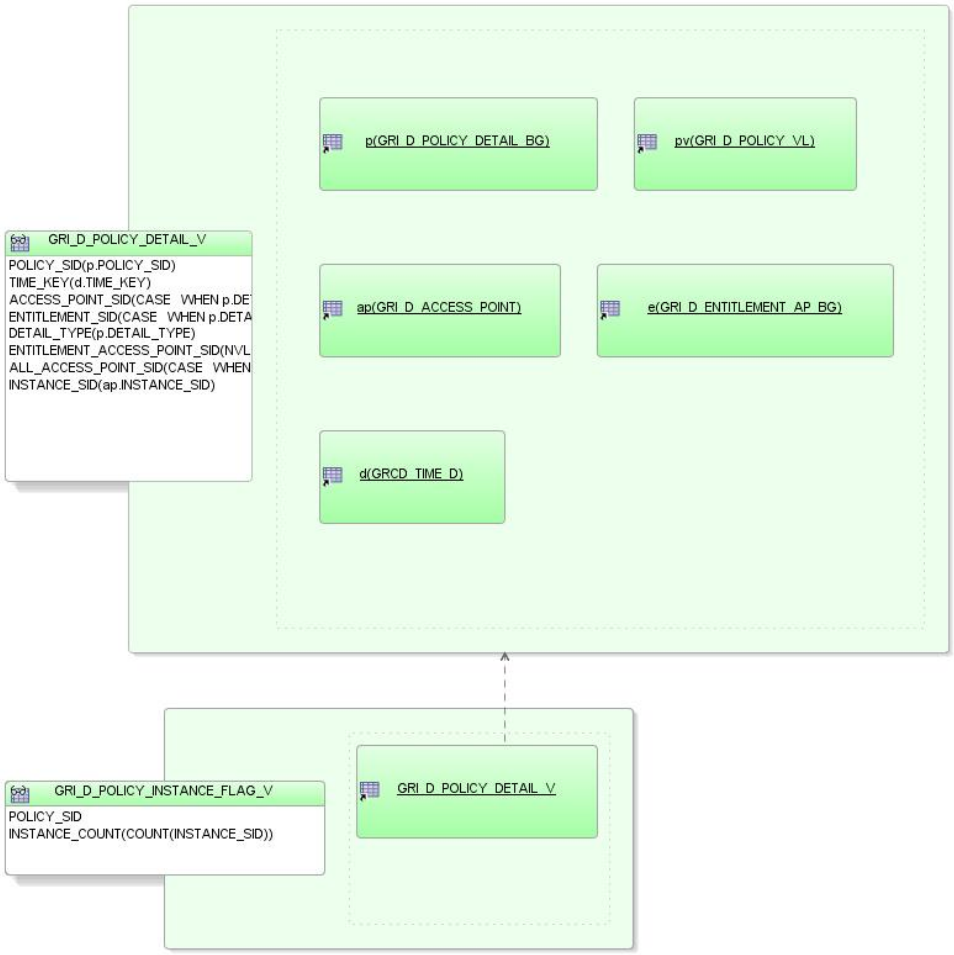
- **Conflicts Star**



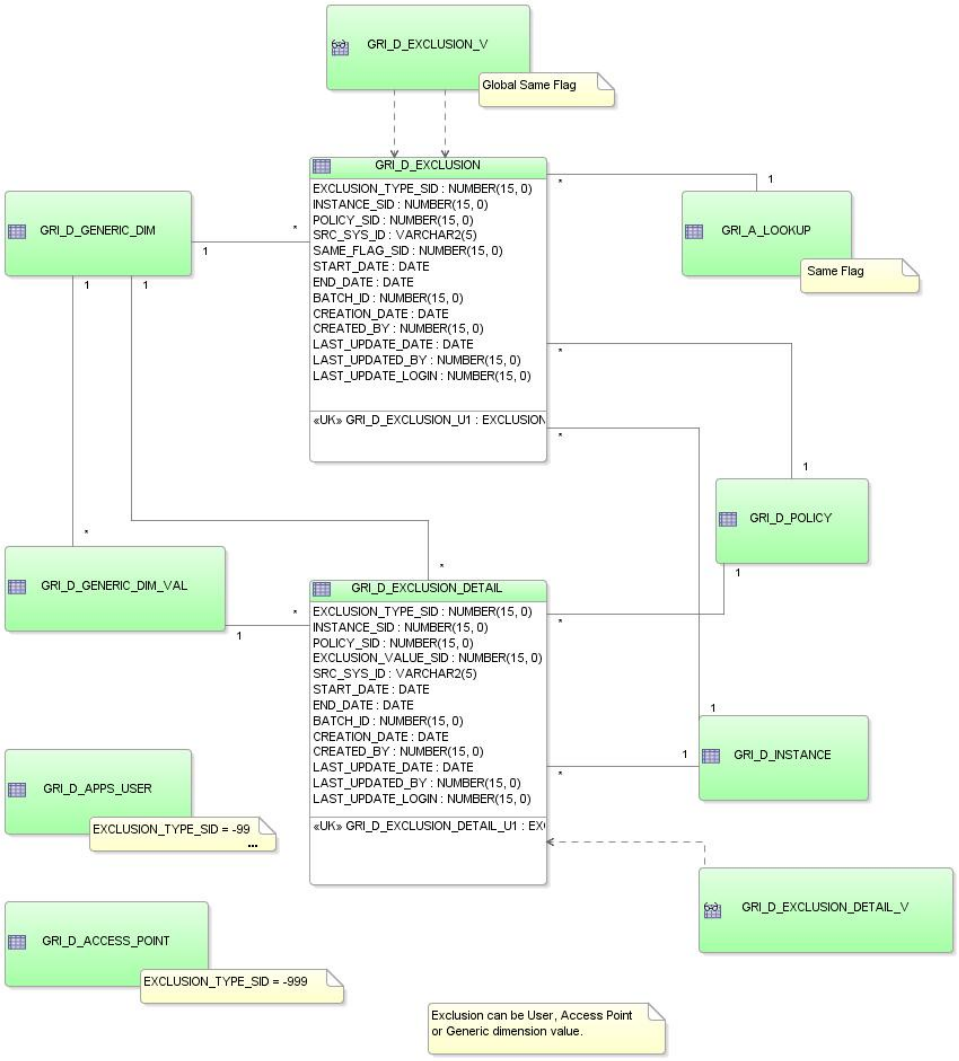
- **Conflict Path Star**



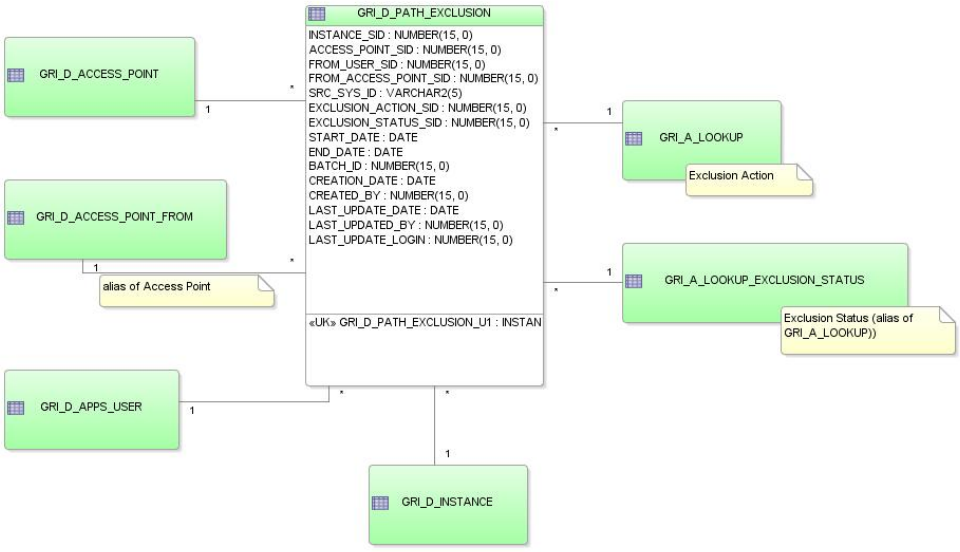
- **Policy Detail Star**



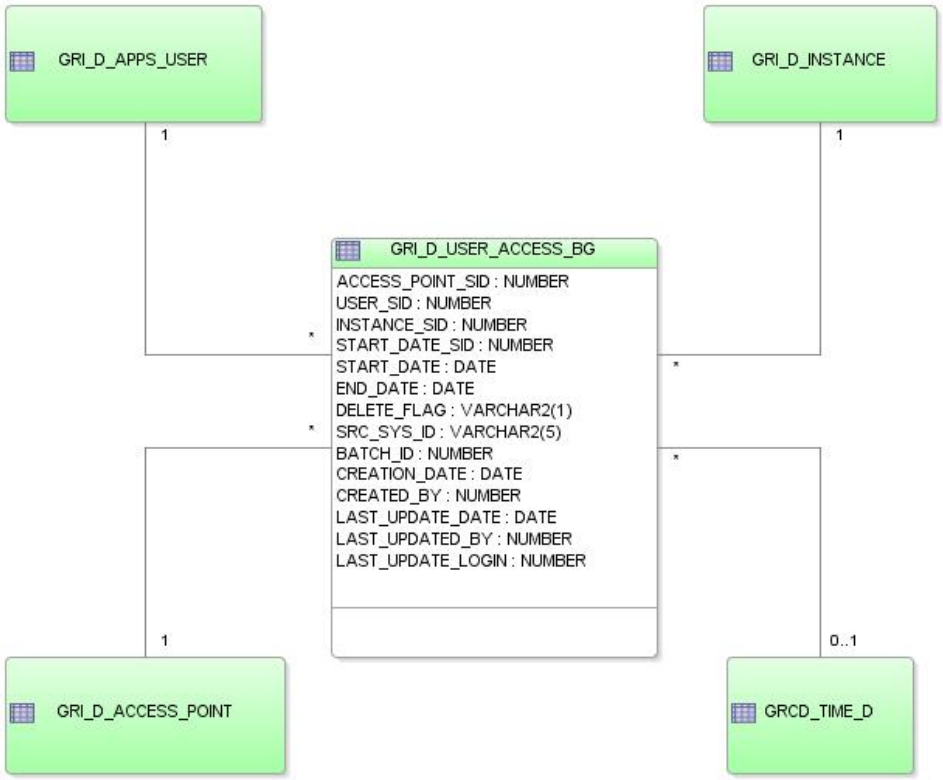
- **Exclusions Star**



- **Path Exclusions Star**



- **User Access Star**


GRI_D_APPS_USER
GRI_D_INSTANCE
GRI_D_USER_ACCESS_BG
ACCESS_POINT_SID : NUMBER
USER_SID : NUMBER
INSTANCE_SID : NUMBER
START_DATE_SID : NUMBER
START_DATE : DATE
END_DATE : DATE
DELETE_FLAG : VARCHAR2(1)
SRC_SYS_ID : VARCHAR2(5)
BATCH_ID : NUMBER
CREATION_DATE : DATE
CREATED_BY : NUMBER
LAST_UPDATE_DATE : DATE
LAST_UPDATED_BY : NUMBER
LAST_UPDATE_LOGIN : NUMBER
1
1
*
*
*
*
1
0..1
GRI_D_ACCESS_POINT
GRCD_TIME_D

D

Lineage for Enterprise GRC Manager 8.0

This appendix covers the following topics:

- Lineage Information for Tables and Scripts
- GRCI 3.0 - EGRCM 8.0 Data Lineage STAGES Table
- GRCI 3.0 - EGRCM 8.0 Data Lineage DIMENSIONS Table
- GRCI 3.0. - EGRCM 8.0 Data Lineage FACTS Table

Lineage Information for Tables and Scripts

This section provides the source (EGRCM) to target (GRCI) lineage information on various objects such as Stages, Dimensions and Facts and the scripts used to load them. The first set of images illustrates lineage of Stages used in GRCI, followed by lineage of dimensions and facts. As indicated by the file name column in all the three tables, the load of stages, dimensions and facts is accomplished using ODI scripts.

GRCI 3.0 - EGRCM 8.0 Data Lineage STAGES Table

The following images provide lineage information on **Staging** that are loaded from EGRCM into GRCI.

All of these packages are part of **GRI_MASTER_EGRC_PKG** and **GRI_STAGE_EGRC_PKG**.

NO	Source Table	Target Table	Package Lineage	Interface Name
1	GRC_LOOKUPS_B	GRI_A_LOOKUP	GRI_A_LOOKUP_ALL_PKG GRI_A_LOOKUP_PKG	GRI_A_LOOKUP_INTR
2	GRC_LOOKUPS_TL	GRI_A_LOOKUP_TL	GRI_A_LOOKUP_ALL_PKG GRI_A_LOOKUP_TL_PKG	GRI_A_LOOKUP_TL_INTR
3	GRC_UDA_B	GRI_A_UDA_B	GRI_A_UDA_PKG GRI_A_UDA_B_PKG	GRI_A_UDA_B_INTR
4	GRC_UDA_COLUMNS	GRI_A_UDA_COLUMNS	GRI_A_UDA_PKG GRI_A_UDA_COLUMNS_PKG	GRI_A_UDA_COLUMNS_INTR
5	GRC_UDA_TL	GRI_A_UDA_TL	GRI_A_UDA_PKG GRI_A_UDA_TL_PKG	GRI_A_UDA_TL_INTR
6	GRC_ACTV_ACTIVITIES_B	GRI_S_ACTV_ACTIVITIES_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ACTV_ACTIVITIES_PKG GRI_S_ACTV_ACTIVITIES_B_PKG	GRI_S_ACTV_ACTIVITIES_B_INTR
7	GRC_ACTV_ACTIVITIES_TL	GRI_S_ACTV_ACTIVITIES_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ACTV_ACTIVITIES_PKG GRI_S_ACTV_ACTIVITIES_TL_PKG	GRI_S_ACTV_ACTIVITIES_TL_INTR
8	GRC_ACTV_RESPS_B	GRI_S_ACTV_RESPS_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ACTV_RESPS_PKG GRI_S_ACTV_RESPS_B_PKG	GRI_S_ACTV_RESPS_B_INTR
9	GRC_ACTV_RESPS_TL	GRI_S_ACTV_RESPS_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ACTV_RESPS_PKG GRI_S_ACTV_RESPS_TL_PKG	GRI_S_ACTV_RESPS_TL_INTR
10	GRC_ASMT_ACTVOBJACCSRS	GRI_S_ASMT_ACTVOBJACCSRS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_ACTVOBJACCSRS_PKG	GRI_S_ASMT_ACTVOBJACCSRS_INTR
11	GRC_ASMT_ACTVOBJTYPES	GRI_S_ASMT_ACTVOBJTYPES	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_ACTVOBJTYPES_PKG	GRI_S_ASMT_ACTVOBJTYPES_INTR
12	GRC_ASMT_ACTVRSLTS	GRI_S_ASMT_ACTVRSLTS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_ACTVRSLTS_PKG	GRI_S_ASMT_ACTVRSLTS_INTR
13	GRC_ASMT_ACTVRSLT_UDA_B	GRI_S_ASMT_ACTVRSLT_UDA_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_ACTVRSLTS_UDA_B_PKG	GRI_S_ASMT_ACTVRSLT_UDA_B_INTR
14	GRC_ASMT_ACTVRSLT_UDA_TL	GRI_S_ASMT_ACTVRSLT_UDA_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_ACTVRSLTS_UDA_TL_PKG	GRI_S_ASMT_ACTVRSLT_UDA_TL_INTR
15	GRC_ASMT_OBJECTS	GRI_S_ASMT_OBJECTS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_OBJECTS_PKG	GRI_S_ASMT_OBJECTS_INTR
16	GRC_ASMT_PLANACVOBJTYPS	GRI_S_ASMT_PLANACVOBJTYPS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_PLANACVOBJTYPS_PKG	GRI_S_ASMT_PLANACVOBJTYPS_INTR
17	GRC_ASMT_PLANS_B	GRI_S_ASMT_PLANS_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_PLANS_PKG GRI_S_ASMT_PLANS_B_PKG	GRI_S_ASMT_PLANS_B_INTR
18	GRC_ASMT_PLANS_TL	GRI_S_ASMT_PLANS_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_PLANS_PKG GRI_S_ASMT_PLANS_TL_PKG	GRI_S_ASMT_PLANS_TL_INTR
19	GRC_ASMT_TEMPLATES_TL	GRI_S_ASMT_TEMPLATES_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TEMPLATES_PKG GRI_S_ASMT_TEMPLATES_TL_PKG	GRI_S_ASMT_TEMPLATES_TL_INTR
20	GRC_ASMT_TEMPLATES_B	GRI_S_ASMT_TEMPLATES_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TEMPLATES_PKG GRI_S_ASMT_TEMPLATES_B_PKG	GRI_S_ASMT_TEMPLATES_B_INTR
21	GRC_ASMT_TINSRSLTS	GRI_S_ASMT_TINSRSLTS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TINSRSLTS_PKG	GRI_S_ASMT_TINSRSLTS_INTR
22	GRC_ASMT_TINSRSLTS_UDA_B	GRI_S_ASMT_TINSRSLTS_UDA_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TINSRSLTS_UDA_B_PKG	GRI_S_ASMT_TINSRSLTS_UDA_B_INTR
23	GRC_ASMT_TINSRSLTS_UDA_TL	GRI_S_ASMT_TINSRSLTS_UDA_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TINSRSLTS_UDA_TL_PKG	GRI_S_ASMT_TINSRSLTS_UDA_TL_INTR
24	GRC_ASMT_TPLNRSLTS	GRI_S_ASMT_TPLNRSLTS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TPLNRSLTS_PKG	GRI_S_ASMT_TPLNRSLTS_INTR
25	GRC_ASMT_TPLNRSLT_UDA_B	GRI_S_ASMT_TPLNRSLT_UDA_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TPLNRSLTS_UDA_B_PKG	GRI_S_ASMT_TPLNRSLT_UDA_B_INTR
26	GRC_ASMT_TPLNRSLT_UDA_TL	GRI_S_ASMT_TPLNRSLT_UDA_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TPLNRSLTS_UDA_TL_PKG	GRI_S_ASMT_TPLNRSLT_UDA_TL_INTR
27	GRC_ASMT_TREENODEDEPS	GRI_S_ASMT_TREENODEDEPS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TREENODEDEPS_PKG	GRI_S_ASMT_TREENODEDEPS_INTR
28	GRC_ASMT_TSTPLANEXECS	GRI_S_ASMT_TSTPLANEXECS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TSTPLANEXECS_PKG	GRI_S_ASMT_TSTPLANEXECS_INTR
29	GRC_ASMT_TSTPRSLTS	GRI_S_ASMT_TSTPRSLTS	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASMT_TSTPRSLTS_PKG	GRI_S_ASMT_TSTPRSLTS_INTR
30	GRC_ASSESSMENTS_TL	GRI_S_ASSESSMENTS_TL	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASSESSMENTS_PKG GRI_S_ASSESSMENTS_TL_PKG	GRI_S_ASSESSMENTS_TL_INTR
31	GRC_ASSESSMENTS_B	GRI_S_ASSESSMENTS_B	GRI_S_ASSESSMENTS_ALL_PKG GRI_S_ASSESSMENTS_PKG GRI_S_ASSESSMENTS_B_PKG	GRI_S_ASSESSMENTS_B_INTR
32	GRC_MODULE_ASSOCIATIONS	GRI_S_MODULE_ASSOCIATIONS	GRI_S_ASSOCIATION_PKG GRI_S_MODULE_ASSOCIATIONS_PKG	GRI_S_MODULE_ASSOCIATIONS_INTR
33	GRC_MODULE_DEFINITIONS_TL	GRI_S_MODULE_DEFINITIONS_TL	GRI_S_ASSOCIATION_PKG GRI_S_MODULE_DEFINITIONS_PKG GRI_S_MODULE_DEFINITIONS_TL_PKG	GRI_S_MODULE_DEFINITIONS_TL_INTR
34	GRC_MODULE_DEFINITIONS_B	GRI_S_MODULE_DEFINITIONS_B	GRI_S_ASSOCIATION_PKG GRI_S_MODULE_DEFINITIONS_PKG GRI_S_MODULE_DEFINITIONS_B_PKG	GRI_S_MODULE_DEFINITIONS_B_INTR
35	GRC_OBJECT_ASSOCIATIONS	GRI_S_OBJECT_ASSOCIATIONS	GRI_S_ASSOCIATION_PKG GRI_S_OBJECT_ASSOCIATIONS_PKG	GRI_S_OBJECT_ASSOCIATIONS_INTR
36	GRC_OBJECT_CLASSES_B	GRI_S_OBJECT_CLASSES_B	GRI_S_ASSOCIATION_PKG GRI_S_OBJECT_CLASSES_PKG GRI_S_OBJECT_CLASSES_B_PKG	GRI_S_OBJECT_CLASSES_B_INTR
37	GRC_OBJECT_CLASSES_TL	GRI_S_OBJECT_CLASSES_TL	GRI_S_ASSOCIATION_PKG GRI_S_OBJECT_CLASSES_PKG GRI_S_OBJECT_CLASSES_TL_PKG	GRI_S_OBJECT_CLASSES_TL_INTR

38	GRC_OBJECT_TYPES_TL	GRI_S_OBJECT_TYPES_TL	GRI_S_ASSOCIATION_PKG GRI_S_OBJECT_TYPES_PKG GRI_S_OBJECT_TYPES_TL_PKG	GRI_S_OBJECT_TYPES_TL_INTR
39	GRC_OBJECT_TYPES_B	GRI_S_OBJECT_TYPES_B	GRI_S_ASSOCIATION_PKG GRI_S_OBJECT_TYPES_PKG GRI_S_OBJECT_TYPES_B_PKG	GRI_S_OBJECT_TYPES_B_INTR
40	GRC_COMPONENTS_B	GRI_S_COMPONENTS_B	GRI_S_COMPONENTS_PKG GRI_S_COMPONENTS_B_PKG	GRI_S_COMPONENTS_B_INTR
41	GRC_COMPONENTS_TL	GRI_S_COMPONENTS_TL	GRI_S_COMPONENTS_PKG GRI_S_COMPONENTS_TL_PKG	GRI_S_COMPONENTS_TL_INTR
42	GRC_COMPONENTS_UDA_B	GRI_S_COMPONENTS_UDA_B	GRI_S_COMPONENTS_PKG GRI_S_COMPONENTS_UDA_B_PKG	GRI_S_COMPONENTS_UDA_B_INTR
43	GRC_COMPONENTS_UDA_TL	GRI_S_COMPONENTS_UDA_TL	GRI_S_COMPONENTS_PKG GRI_S_COMPONENTS_UDA_TL_PKG	GRI_S_COMPONENTS_UDA_TL_INTR
44	GRC_CTRL_ASSERTIONS	GRI_S_CTRL_ASSERTIONS	GRI_S_CONTROLS_ALL_PKG GRI_S_CONTROLS_PKG GRI_S_CTRL_ASSERTIONS_PKG	GRI_S_CTRL_ASSERTIONS_INTR
45	GRC_CONTROLS_UDA_TL	GRI_S_CONTROLS_UDA_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CONTROLS_PKG GRI_S_CONTROLS_UDA_TL_PKG	GRI_S_CONTROLS_UDA_TL_INTR
46	GRC_CONTROLS_UDA_B	GRI_S_CONTROLS_UDA_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CONTROLS_PKG GRI_S_CONTROLS_UDA_B_PKG	GRI_S_CONTROLS_UDA_B
47	GRC_CONTROLS_TL	GRI_S_CONTROLS_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CONTROLS_PKG GRI_S_CONTROLS_TL_PKG	GRI_S_CONTROLS_TL_INTR
48	GRC_CONTROLS_B	GRI_S_CONTROLS_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CONTROLS_PKG GRI_S_CONTROLS_B_PKG	GRI_S_CONTROLS_B_INTR
49	GRC_CTRL_TEST_INSTRS_UDA_B	GRI_S_CTRL_TEST_INSTRS_UDA_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_INSTRS_PKG GRI_S_CTRL_TEST_INSTRS_UDA_B_PKG	GRI_S_CTRL_TEST_INSTRS_UDA_B_INTR
50	GRC_CTRL_TEST_INSTRS_UDA_TL	GRI_S_CTRL_TEST_INSTRS_UDA_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_INSTRS_PKG GRI_S_CTRL_TEST_INSTRS_UDA_TL_PKG	GRI_S_CTRL_TEST_INSTRS_UDA_TL_INTR
51	GRC_CTRL_TEST_INSTRS_TL	GRI_S_CTRL_TEST_INSTRS_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_INSTRS_PKG GRI_S_CTRL_TEST_INSTRS_TL_PKG	GRI_S_CTRL_TEST_INSTRS_TL_INTR
52	GRC_CTRL_TEST_INSTRS_B	GRI_S_CTRL_TEST_INSTRS_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_INSTRS_PKG GRI_S_CTRL_TEST_INSTRS_B_PKG	GRI_S_CTRL_TEST_INSTRS_B_INTR
53	GRC_CTRL_TEST_PLANS_TL	GRI_S_CTRL_TEST_PLANS_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_PLANS_PKG GRI_S_CTRL_TEST_PLANS_TL_PKG	GRI_S_CTRL_TEST_PLANS_TL_INTR

54	GRC_CTRL_TEST_PLANS_B	GRI_S_CTRL_TEST_PLANS_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_PLANS_PKG GRI_S_CTRL_TEST_PLANS_B_PKG	GRI_S_CTRL_TEST_PLANS_B_INTR
55	GRC_CTRL_TPLANACTV	GRI_S_CTRL_TPLANACTV	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_PLANS_PKG GRI_S_CTRL_TPLANACTV_PKG	GRI_S_CTRL_TPLANACTV_INTR
56	GRC_CTRL_TEST_PLANS_UDA_TL	GRI_S_CTRL_TEST_PLANS_UDA_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_PLANS_PKG GRI_S_CTRL_TEST_PLANS_UDA_TL_PKG	GRI_S_CTRL_TEST_PLANS_UDA_TL_INTR
57	GRC_CTRL_TEST_PLANS_UDA_B	GRI_S_CTRL_TEST_PLANS_UDA_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_PLANS_PKG GRI_S_CTRL_TEST_PLANS_UDA_B_PKG	GRI_S_CTRL_TEST_PLANS_UDA_B_INTR
58	GRC_CTRL_TEST_STEPS_B	GRI_S_CTRL_TEST_STEPS_B	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_STEPS_PKG GRI_S_CTRL_TEST_STEPS_B_PKG	GRI_S_CTRL_TEST_STEPS_B_INTR
59	GRC_CTRL_TEST_STEPS_TL	GRI_S_CTRL_TEST_STEPS_TL	GRI_S_CONTROLS_ALL_PKG GRI_S_CTRL_TEST_STEPS_PKG GRI_S_CTRL_TEST_STEPS_TL_PKG	GRI_S_CTRL_TEST_STEPS_TL_INTR
60	GRC_EGRC_ROLE	GRI_S_EGRC_ROLE	GRI_S_EGRC_ROLE_PKG	GRI_S_EGRC_ROLE_INTR
61	GRC_EGRC_USERS	GRI_S_EGRC_USERS	GRI_S_EGRC_USERS_PKG	GRI_S_EGRC_USERS_INTR
62	GRC_ISSUES_B	GRI_S_ISSUES_B	GRI_S_ISSUES_PKG GRI_S_ISSUES_B_PKG	GRI_S_ISSUES_B_INTR
63	GRC_ISSUES_OBJECTS_BG	GRI_S_ISSUES_OBJECTS_BG	GRI_S_ISSUES_PKG GRI_S_ISSUES_OBJECTS_B_PKG_1	GRI_S_ISSUES_OBJECTS_BG_INTR_1
64	GRC_ISSUES_OBJECTS_BG	GRI_S_ISSUES_OBJECTS_BG	GRI_S_ISSUES_PKG GRI_S_ISSUES_OBJECTS_B_PKG_2	GRI_S_ISSUES_OBJECTS_BG_INTR_2
65	GRC_ISSUES_OBJECTS_BG	GRI_S_ISSUES_OBJECTS_BG	GRI_S_ISSUES_PKG GRI_S_ISSUES_OBJECTS_B_PKG_3	GRI_S_ISSUES_OBJECTS_BG_INTR_3
66	GRC_ISSUES_OBJECTS_BG	GRI_S_ISSUES_OBJECTS_BG	GRI_S_ISSUES_PKG GRI_S_ISSUES_OBJECTS_B_PKG_4	GRI_S_ISSUES_OBJECTS_BG_INTR_4
67	GRC_ISSUES_TL GRC_ISSUES_B	GRI_S_ISSUES_TL	GRI_S_ISSUES_PKG GRI_S_ISSUES_TL_PKG	GRI_S_ISSUES_TL_INTR
68	GRC_ISSUES_UDA_B	GRI_S_ISSUES_UDA_B	GRI_S_ISSUES_PKG GRI_S_ISSUES_UDA_B_PKG	GRI_S_ISSUES_UDA_B_INTR
69	GRC_ISSUES_UDA_TL	GRI_S_ISSUES_UDA_TL	GRI_S_ISSUES_PKG GRI_S_ISSUES_UDA_TL_PKG	GRI_S_ISSUES_UDA_TL_INTR
70	GRC_ASSOC_PERSP	GRI_S_ASSOC_PERSP	GRI_S_PERSPECTIVES_PKG GRI_S_ASSOC_PERSP_PKG	GRI_S_ASSOC_PERSP_INTR
71	GRC_PERSP_ITEMS_B	GRI_S_PERSP_ITEMS_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_B_PKG	GRI_S_PERSP_ITEMS_B_INTR
72	GRC_PERSP_ITEMS_UDA_TL	GRI_S_PERSP_ITEMS_UDA_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_TL_PKG	GRI_S_PERSP_ITEMS_UDA_TL_INTR

73	GRC_PERSP_ITEMS_UDA_B	GRI_S_PERSP_ITEMS_UDA_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_B_PKG	GRI_S_PERSP_ITEMS_UDA_B_INTR
74	GRC_PERSP_ITEMS_TL	GRI_S_PERSP_ITEMS_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_TL_PKG	GRI_S_PERSP_ITEMS_TL_INTR
75	GRC_PERSP_TREES_UDA_TL	GRI_S_PERSP_TREES_UDA_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_TL_PKG	
76	GRC_PERSP_TREES_B GRC_TREES_B	GRI_S_PERSP_TREES_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_B_PKG	
77	GRC_TREES_TL	GRI_S_PERSP_TREES_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_B_PKG	
78	GRC_PERSP_TREES_UDA_B	GRI_S_PERSP_TREES_UDA_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_TL_PKG	
79	GRC_TREE_NODES_B	GRI_S_TREE_NODES_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_B_PKG	
80	GRC_RISK_TREATMENT_PLAN_XREF	GRI_S_RISK_TREATMENT_PLAN_XREF	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_ITEMS_PKG GRI_S_PERSP_ITEMS_UDA_TL_PKG	
81	GRC_RISK_SIG_SIGDTL_XREF	GRI_S_PERSP_TREES_UDA_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_TREES_PKG GRI_S_PERSP_TREES_UDA_TL_PKG	GRI_S_PERSP_TREES_UDA_TL_INTR
82	GRC_PERSP_TREES_B	GRI_S_PERSP_TREES_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_TREES_PKG GRI_S_PERSP_TREES_B_PKG	GRI_S_PERSP_TREES_B_INTR
83	GRC_PERSP_TREES_TL	GRI_S_PERSP_TREES_TL	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_TREES_PKG GRI_S_PERSP_TREES_TL_PKG	GRI_S_PERSP_TREES_TL_INTR
84	GRC_PERSP_TREES_UDA_B	GRI_S_PERSP_TREES_UDA_B	GRI_S_PERSPECTIVES_PKG GRI_S_PERSP_TREES_PKG GRI_S_PERSP_TREES_UDA_B_PKG	GRI_S_PERSP_TREES_UDA_B_INTR
85	GRC_TREE_NODES_B	GRI_S_TREE_NODES_B	GRI_S_PERSPECTIVES_PKG GRI_S_TREE_NODES_B_PKG	GRI_S_TREE_NODES_B_INTR
86	GRC_RISK_TREATMENT_PLAN_XREF	GRI_S_RISK_TREATMENT_PLAN_XREF	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_TREAT_PLAN_XREF_PKG	GRI_S_RISK_TREAT_PLAN_XREF_INTR
87	GRC_RISK_SIG_SIGDTL_XREF	GRI_S_RISK_SIG_SIGDTL_XREF	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_SIG_SIGDTL_XREF	GRI_S_RISK_SIG_SIGDTL_XREF_INTR

88	GRC_RISK_SIG_MODELS_TL	GRI_S_RISK_SIG_MODELS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_SIG_MODELS_TL_PKG	GRI_S_RISK_SIG_MODELS_TL_INTR
89	GRC_RISK_SIG_MODELS_B	GRI_S_RISK_SIG_MODELS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_SIG_MODELS_B_PKG	GRI_S_RISK_SIG_MODELS_B_INTR
90	GRC_RISK_SIG_DETAILS_TL	GRI_S_RISK_SIG_DETAILS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_SIG_DETAILS_TL_PKG	GRI_S_RISK_SIG_DETAILS_TL_INTR
91	GRC_RISK_SIG_DETAILS_B	GRI_S_RISK_SIG_DETAILS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_SIG_DETAILS_B_PKG	GRI_S_RISK_SIG_DETAILS_B_INTR
92	GRC_RISK_EVALUATION_DETAILS	GRI_S_RISK_EVALUATION_DETAILS	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_EVALUATION_DETAILS_PKG	GRI_S_RISK_EVALUATION_DETAILS_INTR
93	GRC_RISK_EVALUATIONS_TL	GRI_S_RISK_EVALUATIONS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_EVALUATIONS_TL_PKG	GRI_S_RISK_EVALUATIONS_TL_INTR
94	GRC_RISK_EVALUATIONS_B	GRI_S_RISK_EVALUATIONS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_EVALUATIONS_B_PKG	GRI_S_RISK_EVALUATIONS_B_INTR
95	GRC_RISK_CTX_CRT_XREF	GRI_S_RISK_CTX_CRT_XREF	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_CTX_CRT_XREF_PKG	GRI_S_RISK_CTX_CRT_XREF_INTR
96	GRC_RISK_CRT_CRTDTL_XREF	GRI_S_RISK_CRT_CRTDTL_XREF	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_CRT_CRTDTL_XREF_PKG	GRI_S_RISK_CRT_CRTDTL_XREF_INTR
97	GRC_RISK_CRITERIA	GRI_S_RISK_CRITERIA	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_CRITERIA_PKG	GRI_S_RISK_CRITERIA_INTR
98	GRC_RISK_CONTEXT_MODELS_TL	GRI_S_RISK_CONTEXT_MODELS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_CONTEXT_MODELS_TL_PKG	GRI_S_RISK_CONTEXT_MODELS_TL_INTR
99	GRC_RISK_CONTEXT_MODELS_B	GRI_S_RISK_CONTEXT_MODELS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_CONTEXT_MODELS_B_PKG	GRI_S_RISK_CONTEXT_MODELS_B_INTR
100	GRC_RISK_ANALYSES_TL	GRI_S_RISK_ANALYSES_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_ANALYSES_TL_PKG	GRI_S_RISK_ANALYSES_TL_INTR
101	GRC_RISK_ANALYSES_B	GRI_S_RISK_ANALYSES_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_RISK_ANALYSES_B_PKG	GRI_S_RISK_ANALYSES_B_INTR
102	GRC_CRITERIA_DETAILS_TL	GRI_S_CRITERIA_DETAILS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_CRITERIA_DETAILS_TL_PKG	GRI_S_CRITERIA_DETAILS_TL_INTR

103	GRC_CRITERIA_DETAILS_B	GRI_S_CRITERIA_DETAILS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_CRITERIA_DETAILS_B_PKG	GRI_S_CRITERIA_DETAILS_B_INTR
104	GRC_TREATPLAN_TREATMENT_XREF	GRI_S_TREATPLAN_TREATMENT_XREF	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATPLAN_TREAT_XREF_PKG	GRI_S_TREATPLAN_TREAT_XREF_INTR
105	GRC_TREATMENT_PLANS_TL	GRI_S_TREATMENT_PLANS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATMENT_PLANS_TL_PKG	GRI_S_TREATMENT_PLANS_TL_INTR
106	GRC_TREATMENT_PLANS_B	GRI_S_TREATMENT_PLANS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATMENT_PLANS_B_PKG	GRI_S_TREATMENT_PLANS_B_INTR
107	GRC_TREATMENT_CONTROLS	GRI_S_TREATMENT_CONTROLS	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATMENT_CONTROLS_PKG	GRI_S_TREATMENT_CONTROLS_INTR
108	GRC_TREATMENTS_B	GRI_S_TREATMENTS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATMENTS_B_PKG	GRI_S_TREATMENTS_B_INTR
109	GRC_TREATMENTS_TL	GRI_S_TREATMENTS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_MISC_PKG GRI_S_TREATMENTS_TL_PKG	GRI_S_TREATMENTS_TL_INTR
110	GRC_RISKS_B	GRI_S_RISKS_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_PKG GRI_S_RISKS_B_PKG	GRI_S_RISKS_B_INTR
111	GRC_RISKS_TL	GRI_S_RISKS_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_PKG GRI_S_RISKS_TL_PKG	GRI_S_RISKS_TL_INTR
112	GRC_RISKS_UDA_TL	GRI_S_RISKS_UDA_TL	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_PKG GRI_S_RISKS_UDA_TL_PKG	GRI_S_RISKS_UDA_TL_INTR
113	GRC_RISKS_UDA_B	GRI_S_RISKS_UDA_B	GRI_S_RISKS_ALL_PKG GRI_S_RISKS_PKG GRI_S_RISKS_UDA_B_PKG	GRI_S_RISKS_UDA_B_INTR

GRCI 3.0 - EGRCM 8.0 Data Lineage DIMENSIONS Table

The following tables illustrate lineage of **Dimensions** used in GRCI. It contains the EGRCM source table name that loads the GRCI **dimensions**, the ODI scripts file name, and the file that contains the load procedure.

All of these packages are part of **GRI_MASTER_EGRC_PKG** and **GRI_DIMENSIONS_EGRC_PKG**.

NO	Source Table	Target Table	Package Lineage	Interface Name
1	GRI_S_EGRC_USERS	GRCD_USERS	GRCD_USERS_MAIN_EGRC_PKG GRCD_USERS_EGRC_PKG	GRCD_USERS_EGRC_INTR
2	GRI_S_EGRC_USERS	GRCD_USERS_TL	GRCD_USERS_MAIN_EGRC_PKG GRCD_USERS_TL_EGRC_PKG	GRCD_USERS_TL_EGRC_INTR
3	GRI_S_ASSESSMENTS_B	GRI_D_ASSESSMENTS_B	GRI_D_ASSESSMENTS_PKG GRI_D_ASSESSMENTS_B_PKG	GRI_D_ASSESSMENTS_B_INTR
4	GRI_S_ASSESSMENTS_TL	GRI_D_ASSESSMENTS_TL	GRI_D_ASSESSMENTS_PKG GRI_D_ASSESSMENTS_TL_PKG	GRI_D_ASSESSMENTS_TL_INTR
5	GRI_S_COMPONENTS_B	GRI_D_COMPONENTS_B	GRI_D_COMPONENTS_PKG GRI_D_COMPONENTS_B_PKG	GRI_D_COMPONENTS_B_INTR
6	GRI_S_COMPONENTS_TL	GRI_D_COMPONENTS_TL	GRI_D_COMPONENTS_PKG GRI_D_COMPONENTS_TL_PKG	GRI_D_COMPONENTS_TL_INTR
7	GRI_S_COMPONENTS_UDA_B	GRI_D_COMPONENTS_UDA_B	GRI_D_COMPONENTS_PKG GRI_D_COMPONENTS_UDA_B_PKG	GRI_D_COMPONENTS_UDA_B_INTR
8	GRI_S_COMPONENTS_UDA_TL	GRI_D_COMPONENTS_UDA_TL	GRI_D_COMPONENTS_PKG GRI_D_COMPONENTS_UDA_TL_PKG	GRI_D_COMPONENTS_UDA_TL_INTR
9	GRI_S_CONTROLS_UDA_B	GRI_D_CONTROLS_UDA_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CONTROLS_PKG GRI_D_CONTROLS_UDA_B_PKG	GRI_D_CONTROLS_UDA_B_INTR
10	GRI_S_CONTROLS_B	GRI_D_CONTROLS_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CONTROLS_PKG GRI_D_CONTROLS_B_PKG	GRI_D_CONTROLS_B_INTR
11	GRI_S_CONTROLS_UDA_TL	GRI_D_CONTROLS_UDA_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CONTROLS_PKG GRI_D_CONTROLS_UDA_TL_PKG	GRI_D_CONTROLS_UDA_TL_INTR
12	GRI_S_CONTROLS_TL	GRI_D_CONTROLS_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CONTROLS_PKG GRI_D_CONTROLS_TL_PKG	GRI_D_CONTROLS_TL_INTR
13	GRI_S_CTRL_TEST_INSTRS_UDA_B	GRI_D_CTRL_TEST_INSTRS_UDA_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_INSTRS_PKG GRI_D_CTRL_TEST_INSTRS_UDA_B_PKG	GRI_D_CTRL_TEST_INSTRS_UDA_B_INTR
14	GRI_S_CTRL_TEST_INSTRS_UDA_TL	GRI_D_CTRL_TEST_INSTRS_UDA_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_INSTRS_PKG GRI_D_CTRL_TEST_INSTRS_UDA_TL_PKG	GRI_D_CTRL_TEST_INSTRS_UDA_TL_INTR
15	GRI_S_CTRL_TEST_INSTRS_TL	GRI_D_CTRL_TEST_INSTRS_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_INSTRS_PKG GRI_D_CTRL_TEST_INSTRS_TL_PKG	GRI_D_CTRL_TEST_INSTRS_TL_INTR
16	GRI_S_CTRL_TEST_INSTRS_B	GRI_D_CTRL_TEST_INSTRS_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_INSTRS_PKG GRI_D_CTRL_TEST_INSTRS_B_PKG	GRI_D_CTRL_TEST_INSTRS_B_INTR
17	GRI_S_CTRL_TEST_PLANS_UDA_B	GRI_D_CTRL_TEST_PLANS_UDA_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_PLANS_PKG GRI_D_CTRL_TEST_PLANS_UDA_B_PKG	GRI_D_CTRL_TEST_PLANS_UDA_B_INTR
18	GRI_S_CTRL_TEST_PLANS_TL	GRI_D_CTRL_TEST_PLANS_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_PLANS_PKG GRI_D_CTRL_TEST_PLANS_TL_PKG	GRI_D_CTRL_TEST_PLANS_TL_INTR
19	GRI_S_CTRL_TEST_PLANS_B	GRI_D_CTRL_TEST_PLANS_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_PLANS_PKG GRI_D_CTRL_TEST_PLANS_B_PKG	GRI_D_CTRL_TEST_PLANS_B_INTR
20	GRI_S_CTRL_TEST_PLANS_UDA_TL	GRI_D_CTRL_TEST_PLANS_UDA_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_PLANS_PKG GRI_D_CTRL_TEST_PLANS_UDA_TL_PKG	GRI_D_CTRL_TEST_PLANS_UDA_TL
21	GRI_S_CTRL_TEST_STEPS_B	GRI_D_CTRL_TEST_STEPS_B	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_STEPS_PKG GRI_D_CTRL_TEST_STEPS_B_PKG	GRI_D_CTRL_TEST_STEPS_B_INTR
22	GRI_S_CTRL_TEST_STEPS_TL	GRI_D_CTRL_TEST_STEPS_TL	GRI_D_CONTROLS_ALL_PKG GRI_D_CTRL_TEST_STEPS_PKG GRI_D_CTRL_TEST_STEPS_TL_PKG	GRI_D_CTRL_TEST_STEPS_TL_INTR
23	GRI_S_ISSUES_B	GRI_D_ISSUES_B	GRI_D_ISSUES_PKG GRI_D_ISSUES_B_PKG	GRI_D_ISSUES_B_INTR
24	GRI_S_ISSUES_TL GRI_D_ISSUES_B GRI_S_OBJECT_TYPES_TL GRI_S_OBJECT_CLASSES GRI_A_LOOKUPS_TL GRI_D_CURRENCIES_B	GRI_D_ISSUES_TL	GRI_D_ISSUES_PKG GRI_D_ISSUES_TL_PKG	GRI_D_ISSUES_TL_INTR
25	GRI_S_ISSUES_UDA_B GRI_D_ISSUES_B	GRI_D_ISSUES_UDA_B	GRI_D_ISSUES_PKG GRI_D_ISSUES_UDA_B_PKG	GRI_D_ISSUES_UDA_B_INTR
26	GRI_S_ISSUES_UDA_TL GRI_D_ISSUES_B	GRI_D_ISSUES_UDA_TL	GRI_D_ISSUES_PKG GRI_D_ISSUES_UDA_TL_PKG	GRI_D_ISSUES_UDA_TL_INTR
27	GRI_S_OBJECT_CLASSES_B	GRI_D_OBJECT_CLASSES_B	GRI_D_OBJECT_CLASSES_PKG GRI_D_OBJECT_CLASSES_B_PKG	GRI_D_OBJECT_CLASSES_B_INTR
28	GRI_S_OBJECT_CLASSES_TL	GRI_D_OBJECT_CLASSES_TL	GRI_D_OBJECT_CLASSES_PKG GRI_D_OBJECT_CLASSES_TL_PKG	GRI_D_OBJECT_CLASSES_TL_INTR
29	GRI_S_OBJECT_TYPES_B	GRI_D_OBJECT_TYPES_B	GRI_D_OBJECT_TYPES_PKG GRI_D_OBJECT_TYPES_B_PKG	GRI_D_OBJECT_TYPES_B_INTR
30	GRI_S_OBJECT_TYPES_TL	GRI_D_OBJECT_TYPES_TL	GRI_D_OBJECT_TYPES_PKG GRI_D_OBJECT_TYPES_TL_PKG	GRI_D_OBJECT_TYPES_TL_INTR
31	GRI_S_PERSP_ITEMS_B	GRI_D_PERSP_ITEMS_B	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_ITEMS_PKG GRI_D_PERSP_ITEMS_B_PKG	GRI_D_PERSP_ITEMS_B_INTR
32	GRI_S_PERSP_ITEMS_UDA_B	GRI_D_PERSP_ITEMS_UDA_B	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_ITEMS_PKG GRI_D_PERSP_ITEMS_UDA_B_PKG	GRI_D_PERSP_ITEMS_UDA_B_INTR
33	GRI_S_PERSP_ITEMS_TL	GRI_D_PERSP_ITEMS_TL	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_ITEMS_PKG GRI_D_PERSP_ITEMS_TL_PKG	GRI_D_PERSP_ITEMS_TL_INTR
34	GRI_S_PERSP_ITEMS_UDA_TL	GRI_D_PERSP_ITEMS_UDA_TL	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_ITEMS_PKG GRI_D_PERSP_ITEMS_UDA_TL_PKG	GRI_D_PERSP_ITEMS_UDA_TL_INTR

35	GRI_S_PERSP_TREES_B	GRI_D_PERSP_TREES_B	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_TREES_PKG GRI_D_PERSP_TREES_B_PKG	GRI_D_PERSP_TREES_B_INTR
36	GRI_S_PERSP_TREES_TL	GRI_D_PERSP_TREES_TL	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_TREES_PKG GRI_D_PERSP_TREES_TL_PKG	GRI_D_PERSP_TREES_TL_INTR
37	GRI_S_PERSP_TREES_UDA_B	GRI_D_PERSP_TREES_UDA_B	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_TREES_PKG GRI_D_PERSP_TREES_UDA_B_PKG	GRI_D_PERSP_TREES_UDA_B_INTR
38	GRI_S_PERSP_TREES_UDA_TL	GRI_D_PERSP_TREES_UDA_TL	GRI_D_PRERSPECTIVES_PKG GRI_D_PRERSP_TREES_PKG GRI_D_PERSP_TREES_UDA_TL_PKG	GRI_D_PERSP_TREES_UDA_TL_INTR
39	GRI_S_TREES_B	GRI_D_TREES_B	GRI_D_PRERSPECTIVES_PKG GRI_D_TREES_PKG GRI_D_TREES_B_PKG	GRI_D_TREES_B_INTR
40	GRI_S_TREES_TL	GRI_D_TREES_TL	GRI_D_PRERSPECTIVES_PKG GRI_D_TREES_PKG GRI_D_TREES_TL_PKG	GRI_D_TREES_TL_INTR
41	GRI_S_RISKS_B	GRI_D_RISKS_B	GRI_D_RISKS_PKG GRI_D_RISKS_B_PKG1	GRI_D_RISKS_B_INTR1
42	GRI_S_RISKS_B	GRI_D_RISKS_B	GRI_D_RISKS_PKG GRI_D_RISKS_B_PKG2	GRI_D_RISKS_B_INTR2
43	GRI_S_RISKS_TL	GRI_D_RISKS_TL	GRI_D_RISKS_PKG GRI_D_RISKS_TL_PKG1	GRI_D_RISKS_TL_INTR1
44	GRI_S_RISKS_TL	GRI_D_RISKS_TL	GRI_D_RISKS_PKG GRI_D_RISKS_TL_PKG2	GRI_D_RISKS_TL_INTR2
45	GRI_S_RISKS_UDA_B	GRI_D_RISKS_UDA_B	GRI_D_RISKS_PKG GRI_D_RISKS_UDA_B_PKG	GRI_D_RISKS_UDA_B_INTR
46	GRI_S_RISKS_UDA_TL	GRI_D_RISKS_UDA_TL	GRI_D_RISKS_PKG GRI_D_RISKS_UDA_TL_PKG	GRI_D_RISKS_UDA_TL_INTR
47	GRI_S_EGRC_ROLE	GRI_D_ROLE	GRI_D_ROLE_MAIN_EGRC_PKG GRI_D_ROLE_EGRC_PKG	GRI_D_ROLE_EGRC_INTR
48	GRI_S_EGRC_ROLE	GRI_D_ROLE_TL	GRI_D_ROLE_MAIN_EGRC_PKG GRI_D_ROLE_TL_EGRC_PKG	GRI_D_ROLE_TL_EGRC_INTR
49	GRI_A_ASSOC_PERSP	GRI_D_PERSP_ASSOC_BG	GRI_D_PERSP_ASSOC_BG_PKG	GRI_D_PERSP_ASSOC_BG_INTR
50	GRI_D_RELATEDCONTROL_BG	GRI_D_RELATEDCONTROL_BG	GRI_D_RELATEDCONTROL_BG_PKG	GRI_D_RELATEDCONTROL_BG_INTR
51	GRI_D_ROLE_USER_BG	GRI_D_ROLE_USER_BG	GRI_D_ROLE_USER_BG_EGRC_PKG	GRI_D_ROLE_USER_BG_EGRC_INTR
52	FND_CURRENCIES_B	GRI_D_CURRENCIES_B	GRI_D_CURRENCIES_PKG GRI_D_CURRENCIES_B_PKG	GRI_D_CURRENCIES_B_INTR
53	FND_CURRENCIES_TL	GRI_D_CURRENCIES_TL	GRI_D_CURRENCIES_PKG GRI_D_CURRENCIES_TL_PKG	GRI_D_CURRENCIES_TL_INTR
54	GRC_LANGUAGES	GRI_D_LANGUAGES_B	GRI_D_LANGUAGES_PKG GRI_D_LANGUAGES_B_PKG	GRI_D_LANGUAGES_B_INTR
55	GRC_LANGUAGES_TL	GRI_D_LANGUAGES_TL	GRI_D_LANGUAGES_PKG GRI_D_LANGUAGES_TL_PKG	GRI_D_LANGUAGES_TL_INTR

GRCI 3.0. - EGRCM 8.0 Data Lineage FACTS Table

The following table illustrates lineage of **Facts** used in GRCI. It contains the EGRCM source table name that loads the GRCI **facts**, the ODI scripts file name, and the file that contains the load procedure..

All of these packages are part of **GRI_MASTER_EGRC_PKG** and **GRI_FACTS_EGRC_PKG**.

NO	Source Table	Target Table	Package Lineage	Interface Name
1	GRI_S_ASMT_OBJECTS GRI_D_ASSESSMENTS_B GRI_S_ASMT_ACTVRSLTS GRI_D_OBJECT_TYPES_B GRI_F_ASSOCIATION_NORM GRI_S_ASMT_CTRL_TPLNRSLTS_V GRI_D_PERSP_ITEMS_B GRI_D_TREES_B	GRI_F_ASSESSMENTS	GRI_F_ASSESSMENTS_PKG	GRI_F_ASSESSMENTS_INTR_1 GRI_F_ASSESSMENTS_INTR_2 GRI_F_ASSESSMENTS_INTR_3 GRI_F_ASSESSMENTS_INTR_4 GRI_F_ASSESSMENTS_INTR_5
2	GRI_S_ISSUES_OBJECTS_BG GRI_D_ISSUES_B GRI_F_ASSOCIATION_NORM GRI_D_PERSP_ITEMS_B GRI_D_ASSESSMENTS_B GRI_D_OBJECT_TYPES_B	GRI_F_ISSUES	GRI_F_ISSUES_PKG GRI_F_ISSUES_PKG_1 GRI_F_ISSUES_PKG GRI_F_ISSUES_PKG_2	GRI_F_ISSUES_INTR_1 GRI_F_ISSUES_INTR_2

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Lineage for AACG 8.5

This appendix covers the following topics:

- GRCI 3.0 - AACG 8.5, Data Lineage DIMENSIONS Table
- GRCI 3.0 - AACG 8.5, Data Lineage BRIDGES Table
- GRCI 3.0 - AACG 8.5, Data Lineage FACTS Table

GRCI 3.0 - AACG 8.5, Data Lineage DIMENSIONS Table

The following table illustrates lineage of **Dimensions** used in GRCI. It contains the AACG 8.5 source table name the loads the GRCI **dimensions**, the sql scripts file name, and the file that contains the load procedure.

It is important to note that all these packages are invoked from GRI_MASTER_PKG.

Common Table Values

The following parameters have common values for all rows in this table.

- **Master Package:** GRI_MASTER_PKG

Dimensions Package : GRI_DIMENSIONS_PKG

NO	Source Table Name(s)	Target Table Name	Package Name	Sub-Package Name	Interface Name
1	GRI_S_INSTANCE	GRI_D_INSTANCE	GRI_INSTANCE_PKG	GRI_D_INSTANCE_PKG	GRI_D_INSTANCE_INTR
2	GRI_S_INSTANCE_TL	GRI_D_INSTANCE_TL	GRI_INSTANCE_PKG	GRI_D_INSTANCE_TL_PKG	GRI_D_INSTANCE_TL_INTR
3	GRI_S_GENERIC_DIM	GRI_D_GENERIC_DIM	GRI_GENERIC_DIM_PKG	GRI_D_GENERIC_DIM_PKG	GRI_D_GENERIC_DIM_INTR
4	GRI_S_GENERIC_DIM_TL GRI_D_GENERIC_DIM	GRI_D_GENERIC_DIM_TL	GRI_GENERIC_DIM_PKG	GRI_D_GENERIC_DIM_TL_PKG	GRI_D_GENERIC_DIM_TL_INTR
5	GRI_S_GENERIC_DIM_VAL GRI_D_GENERIC_DIM	GRI_D_GENERIC_DIM_VAL	GRI_GENERIC_DIM_PKG	GRI_D_GENERIC_DIM_VAL_PKG	GRI_D_GENERIC_DIM_VAL_INTR
6	GRI_S_GENERIC_DIM_VAL_TL GRI_D_GENERIC_DIM GRI_D_GENERIC_DIM_VAL	GRI_D_GENERIC_DIM_VAL_TL	GRI_GENERIC_DIM_PKG	GRI_D_GENERIC_DIM_VAL_TL_PKG	GRI_D_GENERIC_DIM_VAL_TL_INTR
7	GRI_S_AG_USER	GRCD_USERS	GRCD_USER_MAIN_PKG	GRCD_USER_PKG	GRCD_USER_INTR
8	GRI_S_AG_USER_TL GRI_S_AG_USER	GRCD_USERS_TL	GRCD_USER_MAIN_PKG	GRCD_USER_TL_PKG	GRCD_USER_TL_INTR
9	GRI_S_POLICY GRCD_USERS	GRI_D_POLICY	GRI_POLICY_PKG	GRI_D_POLICY_PKG	GRI_D_POLICY_INTR
10	GRI_S_POLICY_TL GRI_D_POLICY	GRI_D_POLICY_TL	GRI_POLICY_PKG	GRI_D_POLICY_TL_PKG	GRI_D_POLICY_TL_INTR
11	GRI_S_ENTITLEMENT GRCD_USERS	GRI_D_ENTITLEMENT	GRI_ENTITLEMENT_PKG	GRI_D_ENTITLEMENT_PKG	GRI_D_ENTITLEMENT_INTR
12	GRI_S_ENTITLEMENT_TL GRI_D_ENTITLEMENT	GRI_D_ENTITLEMENT_TL	GRI_ENTITLEMENT_PKG	GRI_D_ENTITLEMENT_TL_PKG	GRI_D_ENTITLEMENT_TL_INTR
13	GRI_S_ACCESS_POINT	GRI_D_ACCESS_POINT	GRI_ACCESS_POINT_PKG	GRI_D_ACCESS_POINT_PKG	GRI_D_ACCESS_POINT_INTR
14	GRI_S_ACCESS_POINT_TL GRI_D_ACCESS_POINT	GRI_D_ACCESS_POINT_TL	GRI_ACCESS_POINT_PKG	GRI_D_ACCESS_POINT_TL_PKG	GRI_D_ACCESS_POINT_TL_INTR
15	GRI_S_AG_APPS_USER	GRI_D_APPS_USER	GRI_APPS_USER_PKG	GRI_D_APPS_USER_PKG	GRI_D_APPS_USER_INTR
16	GRI_S_AG_APPS_USER_TL GRI_S_AG_APPS_USER	GRI_D_APPS_USER_TL	GRI_APPS_USER_PKG	GRI_D_APPS_USER_TL_PKG	GRI_D_APPS_USER_TL_INTR
17	GRI_S_AG_ROLE	GRI_D_ROLE	GRI_ROLE_PKG	GRI_D_ROLE_PKG	GRI_D_ROLE_INTR
18	GRI_S_AG_ROLE_TL GRI_S_AG_ROLE	GRI_D_ROLE_TL	GRI_ROLE_PKG	GRI_D_ROLE_TL_PKG	GRI_D_ROLE_TL_INTR
19	GRI_S_RUN	GRI_D_RUN	GRI_D_RUN_PKG	GRI_D_RUN_PKG	GRI_D_RUN_INTR
20	GRI_S_EXCLUSION GRI_D_POLICY GRI_D_GENERIC_DIM GRI_A_LOOKUP	GRI_D_EXCLUSION	GRI_EXCLUSION_PKG	GRI_D_EXCLUSION_PKG	GRI_D_EXCLUSION_INTR
21	GRI_S_EXCLUSION_DETAIL GRI_D_GENERIC_DIM_VAL GRI_D_ACCESS_POINT GRI_D_APPS_USER GRI_D_GENERIC_DIM GRI_D_POLICY	GRI_D_EXCLUSION_DETAIL	GRI_EXCLUSION_PKG	GRI_D_EXCLUSION_DETAIL_PKG	GRI_D_EXCLUSION_DETAIL_INTR
22	GRI_S_PATH_EXCLUSION GRI_D_ACCESS_POINT GRI_A_LOOKUP GRI_D_APPS_USER	GRI_D_PATH_EXCLUSION	GRI_EXCLUSION_PKG	GRI_D_PATH_EXCLUSION_PKG	GRI_D_PATH_EXCLUSION_INTR
23	GRI_S_USER_ACCESS_BG GRI_D_ACCESS_POINT GRI_D_APPS_USER	GRI_D_USER_ACCESS_BG	GRI_D_USER_ACCESS_BG_PKG	GRI_D_USER_ACCESS_BG_PKG	GRI_D_USER_ACCESS_BG_INTR

GRCI 3.0 - AACG 8.5, Data Lineage BRIDGES Table

The following table illustrates lineage of **Bridges** used in GRCI. It contains the AACG 8.5 source table name the loads the GRCI **bridges**, the sql scripts file name, and the file that contains the load procedure.

The following parameters have common values for all rows in this table.

Common Table Values

The following parameters have common values for all rows in this table.

- **Master Package:** GRI_MASTER_PKG

Bridges Table Package : GRI_BRIDGE_TABLES_PKG

NO	Source Table Name(s)	Target Table Name	Package Name	Sub-Package Name	Interface Name
1	GRI_S_AG_ROLE_USER_BG GRI_S_AG_USER GRI_S_AG_ROLE	GRI_D_ROLE_USER_BG	GRI_D_ROLE_USER_BG_PKG	GRI_D_ROLE_USER_BG_PKG	GRI_D_ROLE_USER_BG_INTR
2	GRI_S_POLICY_GENERIC_DIM_BG GRI_D_GENERIC_DIM_VAL GRI_D_GENERIC_DIM GRI_D_POLICY	GRI_D_POLICY_GENERIC_DIM_BG	GRI_D_POLICY_GENERIC_DIM_BG_PKG	GRI_D_POLICY_GENERIC_DIM_BG_PKG	GRI_D_POLICY_GENERIC_DIM_BG_INTR
3	GRI_S_POLICY_DETAIL_BG GRI_D_POLICY GRI_D_ACCESS_POINT GRI_D_ENTITLEMENT	GRI_D_POLICY_DETAIL_BG	GRI_D_POLICY_DETAIL_BG_PKG	GRI_D_POLICY_DETAIL_BG_PKG	GRI_D_POLICY_DETAIL_BG_INTR
4	GRI_S_ENTLMNT_GENERIC_DIM_BG GRI_D_ENTITLEMENT GRI_D_GENERIC_DIM_VAL GRI_D_GENERIC_DIM	GRI_D_ENTLMNT_GENERIC_DIM_BG	GRI_D_ENTLMNT_GENERIC_DIM_BG_PKG	GRI_D_ENTLMNT_GENERIC_DIM_BG_PKG	GRI_D_ENTLMNT_GENERIC_DIM_BG_INTR
5	GRI_S_ENTITLEMENT_AP_BG GRI_D_ENTITLEMENT GRI_D_ACCESS_POINT	GRI_D_ENTITLEMENT_AP_BG	GRI_D_ENTITLEMENT_AP_BG_PKG	GRI_D_ENTITLEMENT_AP_BG_PKG	GRI_D_ENTITLEMENT_AP_BG_INTR

GRCI 3.0 - AACG 8.5, Data Lineage FACTS Table

The following table contains the GRCI staging table name that loads the GRCI **fact** tables, and the package that loads the target GRCI fact table.

> **Note:** It is important to note that all these packages are invoked from the fact package GRI_FACTS_PKG, which in turn is invoked from GRI_MASTER_PKG.

Common Table Values

The following parameters have common values for all rows in this table.

- **Load Type:** ODI
- **Master Package:** GRI_MASTER_PKG
- **Fact Package** GRI_FACTS_PKG

Facts Package: GRI_FACTS_PKG

NO	Source Table Name(s)	Target Table Name	Error Table Name	Package Name	Interface Name
1	GRI_S_CONFLICTS GRI_D_RUN GRI_D_POLICY GRI_D_GBL_USER GRI_A_LOOKUP	GRI_F_CONFLICTS_T	GRI_E_CONFLICTS_T	GRI_F_CONFLICTS_T_PKG	GRI_F_CONFLICTS_T_INTR
2	GRI_F_CONFLICTS_T GRI_D_POLICY	GRI_D_POLICY_PREV_RUN_BG		GRI_D_POLICY_PREV_RUN_BG_PKG	GRI_D_POLICY_PREV_RUN_BG_INTR
3	GRI_S_CONFLICT_PATH GRI_D_RUN GRI_D_POLICY GRI_D_APPS_USER GRI_D_ACCESS_POINT GRI_D_ENTITLEMENT GRCD_USERS GRI_A_LOOKUP	GRI_F_CONFLICT_PATH_T	GRI_E_CONFLICT_PATH_T	GRI_F_CONFLICT_PATH_T_PKG	GRI_F_CONFLICT_PATH_T_INTR
4	GRI_S_CONFLICT_PATH GRI_D_RUN GRI_D_POLICY GRI_D_POLICY_INSTANCE_V	GRI_F_CONFLICT_PATH_T	GRI_E_CONFLICT_PATH_T	GRI_F_CONFLICT_PATH_T_PKG_2	GRI_F_CONFLICT_PATH_T_INTR_2

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Uploading dlf files to the Database using Transx

This appendix covers the following topics:

- Uploading dlf files to the Database using transx

Uploading dlf files to the Database using transx

To load dlf into the database the xdk kit is required which can be downloaded from the following location:

http://www.oracle.com/technology/tech/xml/xdk/software/prod/winsoft_java.htm

The XDK kit has to be installed on the database server machine, or on a machine having database related files, since the file xdb_g.jar is available in the database server's RDBMS folder.

Installing the XDK kit after the download completes:

1. Install unzip or WinZip executable
2. Download the Oracle XDK for Java in .zip format
3. Unzip into a directory (Ex: C:\[your directory]>unzip xdk_java.zip)
4. The result should be the following files and directories:
   - /bin - xdk executables and utilities
   - /lib - directory for libraries
   - /xdk - top xdk directory
   - /xdk/demo - directory for demo files

- /xdk/doc - directory for documentation
- /xdk/admin - directory for dband config files
- /xdk/*html. - doc navigation files
- /xdk/license.html - copy of license agreement

Make sure that the JAVA_HOME and ORACLE_HOME environment variables are set appropriately.

Open the "env.bat" file located in the installed directory (Ex: C:\[your directory]\xdk\bin). Open the file (env.bat) for editing in any text editor and update the file location of "xdb_g.jar" file from **"%INSTALL_ROOT%\lib\xdb_g.jar"**to **"%ORACLE_HOME%\RDBMS\jlib\ xdb_g.jar"**.

Save the env.bat file after making the changes.

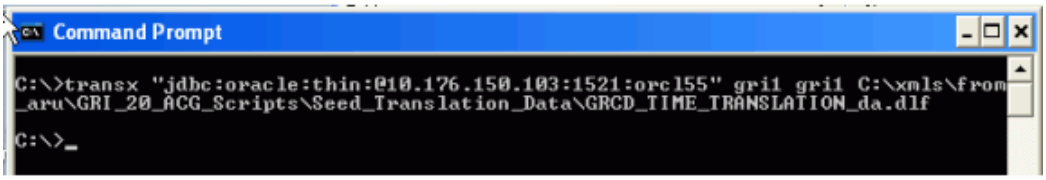
Open a new command prompt session.

Navigate to c:\xdk\bin directory and run the "env.bat" file as shown below,

Have the required dlf files to be loaded available on your local drive.

Execute the following command:

transx "jdbc:oracle:thin:@10.176.150.103:1521:orcl55" gri1 gri1 c:\xmls\from_aru\GRI_20_ACG_Scripts\Seed_Translation_Data\GRCD_TIME_TRANSLATION_da.dlf



This method can be followed to upload one file at a time to the database server specified by the connection parameters"**jdbc:oracle:thin:@10.176.150.103:1521:orcl55" gri1 gri1**.

> **Important:** The above command performs the operation against the database on server = 10.176.150.103, port = 1521 and SID = orcl55, using

the database credentials gri/gri)

IMPORTANT INFORMATION

In case of errors like "java.lang.OutOfMemory: Java heap space"; please use the command shown below:

Java-Xms25m -Xmx100m oracle.xml.transx.loader "jdbc:oracle:thin:@<DBIP>:1521:orcl" uid pwd C:\grcdiagnostic.dlf

This command works exactly like the transx command, however, the user specifies memory parameters so that the Java heap space errors are not returned.

If all the dlf files in the folder need to be updated then the wildcard characters can be used as shown below;

transx "jdbc:oracle:thin:@10.176.150.103:1521:orcl55" gri1 gri1 c:\xmls\from_aru\GRI_20_ACG_Scripts\Seed_Translation_Data*.dlf .

The above command results in all the dlf files available in the Seed_Translation_data folder to be loaded into the database.

Login to the database server and check for the rows uploaded.

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