

**Oracle® Revenue Management and Billing  
Installation/Operations Guide for ODI artifacts  
for Transaction Feed Management**

Installation/Operations Guide

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Oracle Revenue Management and Billing Installation/Operations Guide for ODI artifacts for Transaction Feed Management

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## Overview

This guide describes the installation steps for ODI that must be completed before can be integrated with Oracle Revenue Management and Billing and the operations for a user.

This installation is placed on top of Oracle Data Integrator tool.

Please review the entire guide before you begin installation.

## Additional Resources

For more information read the following documents:

Resource	Location
Oracle Revenue Management and Billing Installation/ Operations Guide for Release v2.2.4.0	<a href="http://edelivery.oracle.com/">http://edelivery.oracle.com/</a>
Oracle Data Integrator 11g documentation	<a href="http://www.oracle.com/technetwork/middleware/data-integrator/overview/index.html">http://www.oracle.com/technetwork/middleware/data-integrator/overview/index.html</a>

## Abbreviations

RMB - Oracle Revenue Management and Billing application

## Installation

The following sections describe the settings and requirements for a successful installation. Complete these installation steps prior to configuring the applications for integrated functionality.

## Software Requirements

Before installing the integration package, verify that the following software is properly installed and configured:

Please refer to your product specific installation instructions for complete details.

- Oracle Revenue Management and Billing – Application version v2.2.4.0 installed on an Oracle database
- Oracle Data Integrator 11.1.1.5.0 (Standalone Installation and Developer Installation or Java EE Installation and Developer Installation)



## Pre-Installation Tasks

Before you begin installing the integration package, complete the following tasks:

- Ensure that Oracle Data Integrator 11g (11.1.1.5.0) is installed and running.

Refer to documentation at <http://www.oracle.com/technetwork/middleware/data-integrator/documentation/index.html#11.1.1.5>

Oracle Data Integrator installed should have the following components:

- Agent
- Designer
- Operator
- Security Manager
- Topology Manager
- SDK

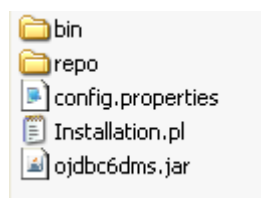
- Ensure that the database for ODI is created.
- Ensure you have the tnsnames.ora entry for the databases related to ORMB and ODI repositories.
- Ensure you have Perl version 5.12.3 installed with following modules available  
Cwd, Switch, File; DBI; DBD

## Installation Steps

Complete the following steps to install the integration package:

1. Download RMB\_VMA\_ODI\_INSTALL\_HOME.zip file from e-delivery (<http://edelivery.oracle.com/>).
2. Extract the RMB\_VMA\_ODI\_INSTALL\_HOME.zip file in the folder RMB\_VMA\_ODI\_INSTALL\_HOME.  
These are the subfolders containing bin, database and repo.

Ensure no spaces in the directory names for installation.



3. Set the following environment variables for Unix and Windows OS:

Variable	Example
<b>Linux and Windows OS</b>	

Variable	Example
INT_INSTALL_HOME	Set this to the directory where RMB_VMA_ODI_INSTALL_HOME is extracted.  Examples:  <b>Unix/ Linux:</b> INT_INSTALL_HOME = /slot/oracle/RMB_VMA_ODI_INSTALL_HOME/  <b>Windows:</b> INT_INSTALL_HOME = D:\Oracle\RMB_VMA_ODI_INSTALL_HOME\
ODI_LIB	Set this to the directory of the SDK libraries F:\odi\oracledi.sdk\lib
ODI_INST_HOME	F:\odi\

**Note:** The syntax for INT\_INSTALL\_HOME changes depending on whether you are installing on Linux or Windows. The following sections refer to this as \$INT\_INSTALL\_HOME in the Linux syntax. However, if you are installing on Windows, it should be referred to as: %INT\_INSTALL\_HOME%. Wherever \$INT\_INSTALL\_HOME is mentioned in this document please replace with %INT\_INSTALL\_HOME% for Windows.

4. Modify the \$INT\_INSTALL\_HOME\config.properties file and ensure that the values are relevant to the server where the integration product is to be installed. The following table lists the properties available in config.properties file along with their usage. The default values are specified wherever applicable.

Property	Description	Example
<b>ODI Master Repository Database Information</b>		
masterRepositoryJdbcUrl	Master Repository Database url	jdbc:oracle:thin:@<host>:<port>:<SID>
masterRepositoryJdbcDriver	Oracle Driver	oracle.jdbc.OracleDriver
masterRepositoryJdbcUser	Master Repository database schema user	odi_master
masterRepositoryJdbcPassword	Master Repository database schema password	odi_master
masterRepositoryId	Master Repository ID	600
<b>ODI Work Repository Database Information</b>		
workRepositoryJdbcUrl	Work Repository Database url	jdbc:oracle:thin:@<host>:<port>:<SID>
workRepositoryJdbcDriver	Oracle Driver	oracle.jdbc.OracleDriver
workRepositoryJdbcUsername	Work Repository database schema user	odi_work
workRepositoryJdbcPassword	Work Repository database schema password	odi_work
workRepositoryName	Work Repository Name	ODIREPO
workRepositoryId	Work Repository ID	610
<b>ODI Database sysdba credentials</b>		

Property	Description	Example
oracleSysDBUser	Provide DBA user for ODI repository database	system
oracleSysDBPass	Provide DBA password for ODI repository database	manager
<b>ODI Repository Details</b>		
repoType	This is the work repository type to be created. In this case it is "DEVELOPMENT"	DEVELOPMENT
workRepoPath	Configure the work repository path based on the installation directory.	<p>In Windows D:\\Oracle\\RMB_VMA_ODI_INSTALL_HOME\\repo\\WorkRepository.zip</p> <p>In Unix /slot/oracle/RMB_VMA_ODI_INSTALL_HOME/repo/WorkRepository.zip</p>
masterRepoPath	Configure the master repository path based on the installation directory.	<p>In Windows D:\\Oracle\\RMB_VMA_ODI_INSTALL_HOME\\repo\\ MasterRepository.zip</p> <p>In Unix /slot/oracle/RMB_VMA_ODI_INSTALL_HOME/repo/MasterRepository.zip</p>

Note the following:

- \$INT\_INSTALL\_HOME/ folder contains the perl file for running the installation.

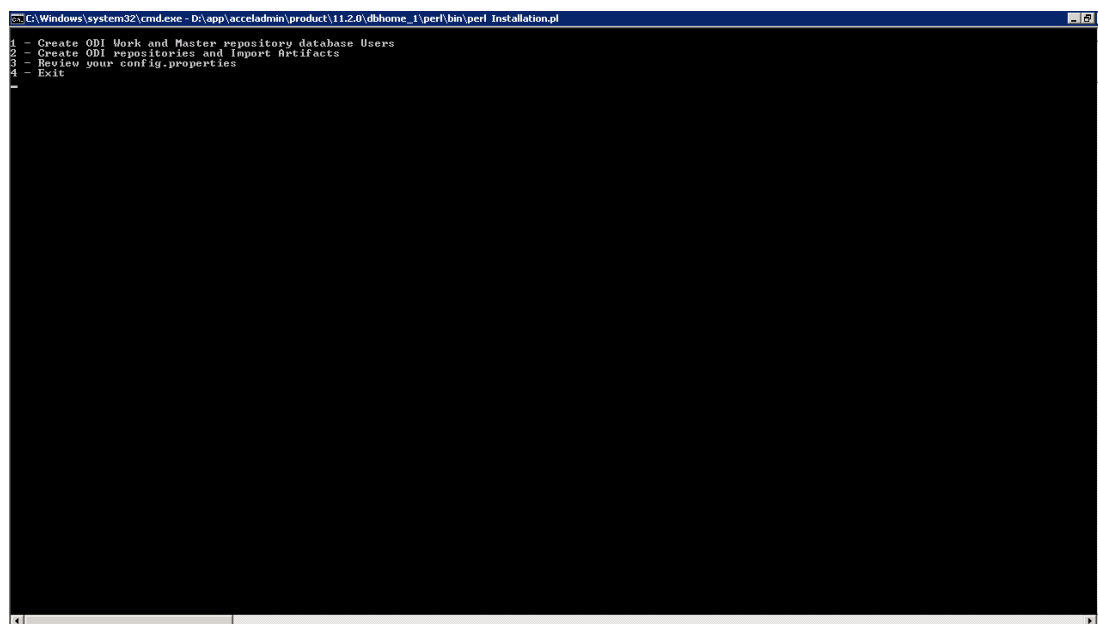
# Installing the Integration

## Run the Installation Script

After you set the environment variables:

1. Open a command prompt and execute the command:  
`cd RMB_VMA_ODI_INSTALL_HOME\`
2. Execute: **perl Installation.pl** to invoke the deployment script.

Provides various menu options as follows:-



*Note: Ensure all configuration settings are done in config.properties prior to running all the steps.*

This completes the end to end ODI installation for Transaction Feed Management, by performing the following tasks:

### Step 1

Create database schema users for ODI Master and Work Repositories as configured in config.properties

### Step 2

Create metadata information for ODI Master and Work Repositories for installed ODI. It also deploys the artifacts in the ODI repositories. This needs to be executed post *Step 1*.

## Post Installation Tasks

After running the installation scripts you must complete the following tasks to finalize the installation.

- a) Create a login for ODI Studio for the master repository user SUPERVISOR. Refer to product specific documentation of details for creating a login for master repository.

**Repository Connection Information**

**Oracle Data Integrator Connection**

Login Name:

User:

Password:

**Database Connection (Master Repository)**

User:

Password:

Driver List: <User-defined>

Driver Name:

Url:

**Work Repository**

☒ Master Repository Only

☐ Work Repository

☐ Default Connection

OK Cancel Test Help

- b) Create a login for ODI Studio for the work repository user SUPERVISOR. Select the Work Repository name as mentioned in config.properties through the lookup. Refer to product specific documentation of details for creating a login for work repository.

**Repository Connection Information**

**Oracle Data Integrator Connection**

Login Name:

User:

Password:

**Database Connection (Master Repository)**

User:

Password:

Driver List: <User-defined>

Driver Name:

Url:

**Work Repository**

☐ Master Repository Only

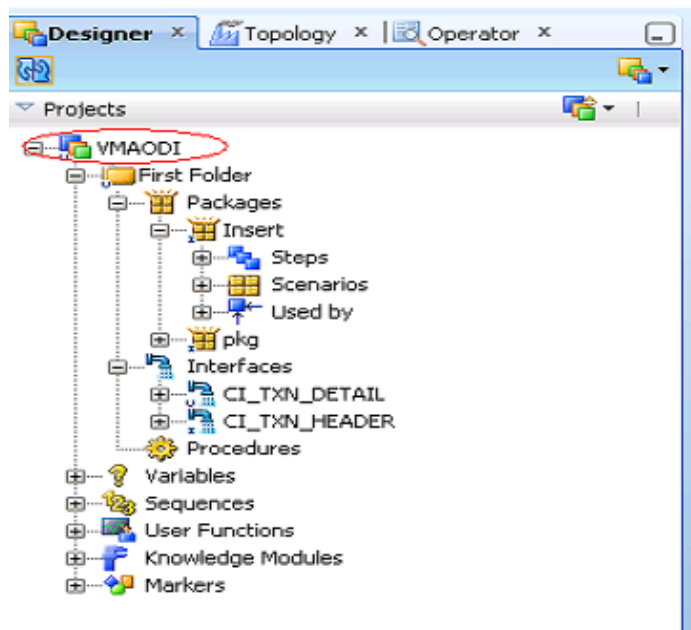
☒ Work Repository

☐ Default Connection

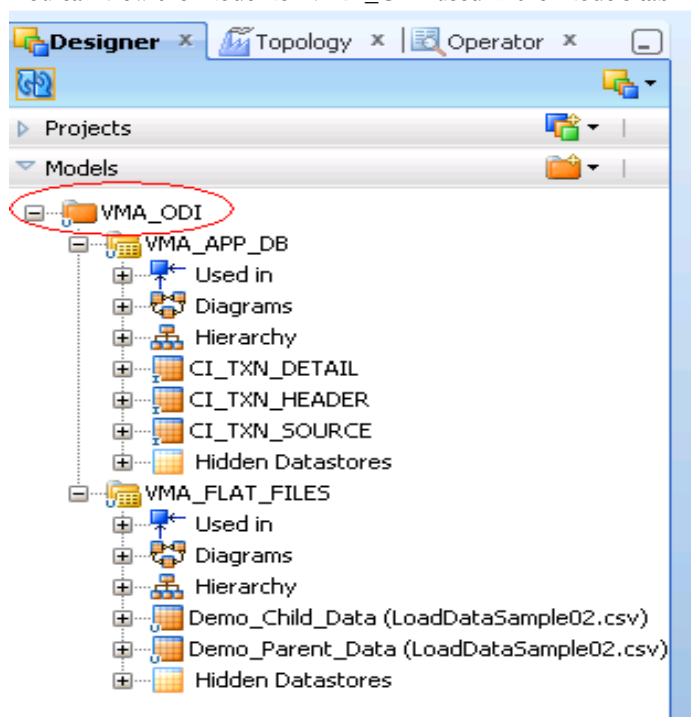
OK Cancel Test Help

- c) Log into Work Repository as user SUPERVISOR/Oracle123. Use ODI Designer to check that the Model/Packages/Interface objects are available.

For Work Repository type as “DEVELOPMENT” you can view the Project VMAODI in your setup in the Designer.

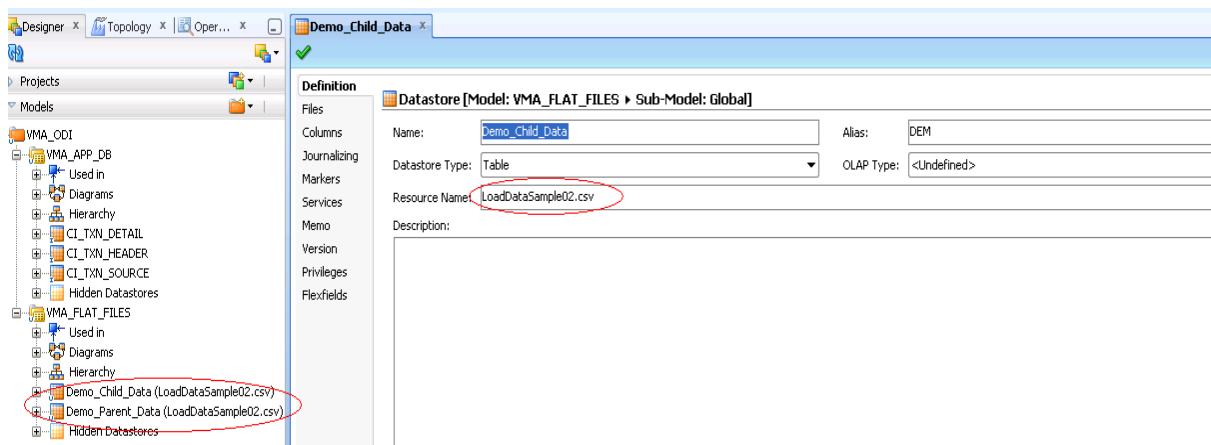


You can view the Model for VMA\_ODI used in the Models tab.



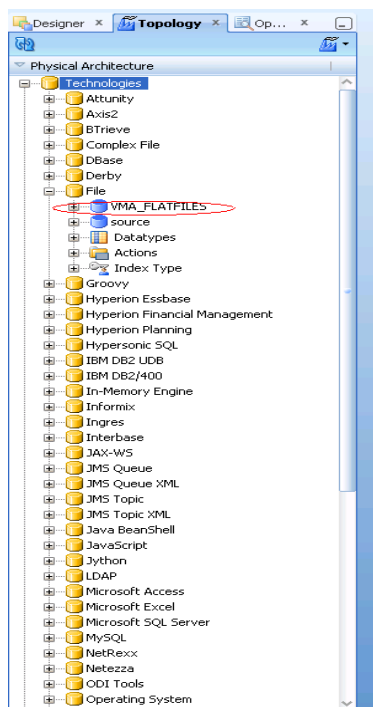
Choose the file name to be uploaded as the Resource Name under:

1. Models/VMA\_FLAT\_FILES/Demo\_Child\_Data.
2. Models/VMA\_FLAT\_FILES/Demo\_Parent\_Data.

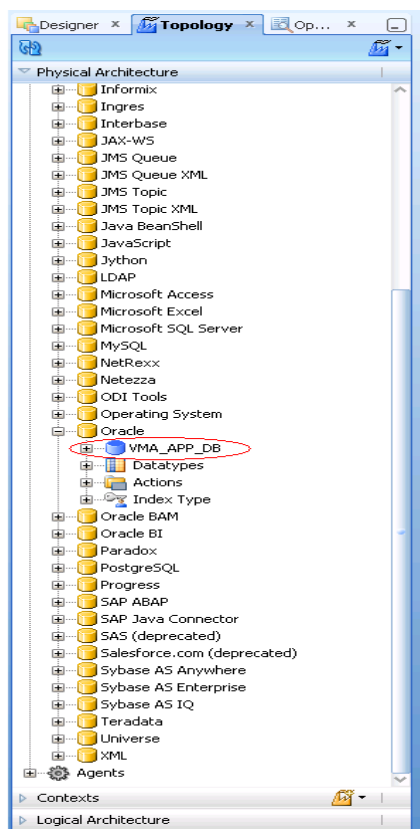


- d) Use ODI Topology Manager to check the Oracle Data Server Connections for the source File/VMA\_FLATFILES and target Oracle /VMA\_APP\_DB. Verify both the logical and physical architecture.

Physical Architecture for source File is VMA\_FLATFILES

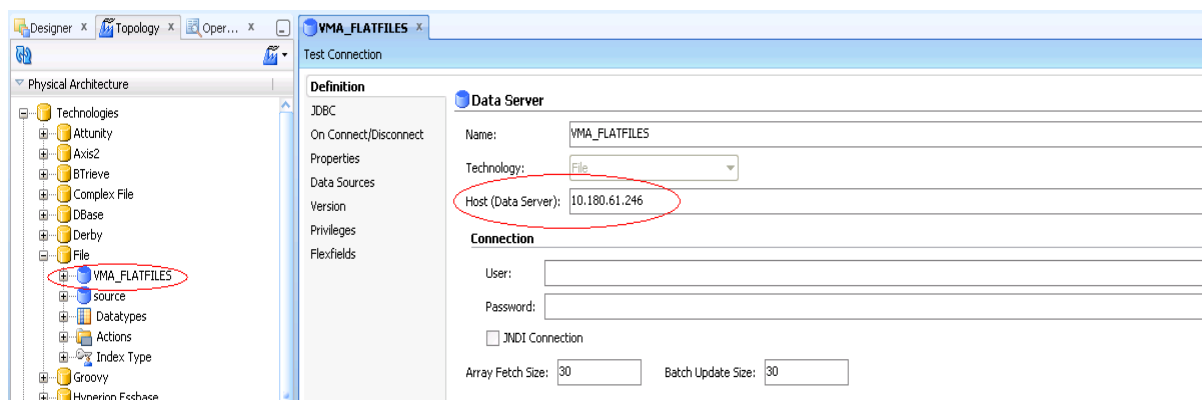


Physical Architecture for target is Oracle / VMA\_APP\_DB

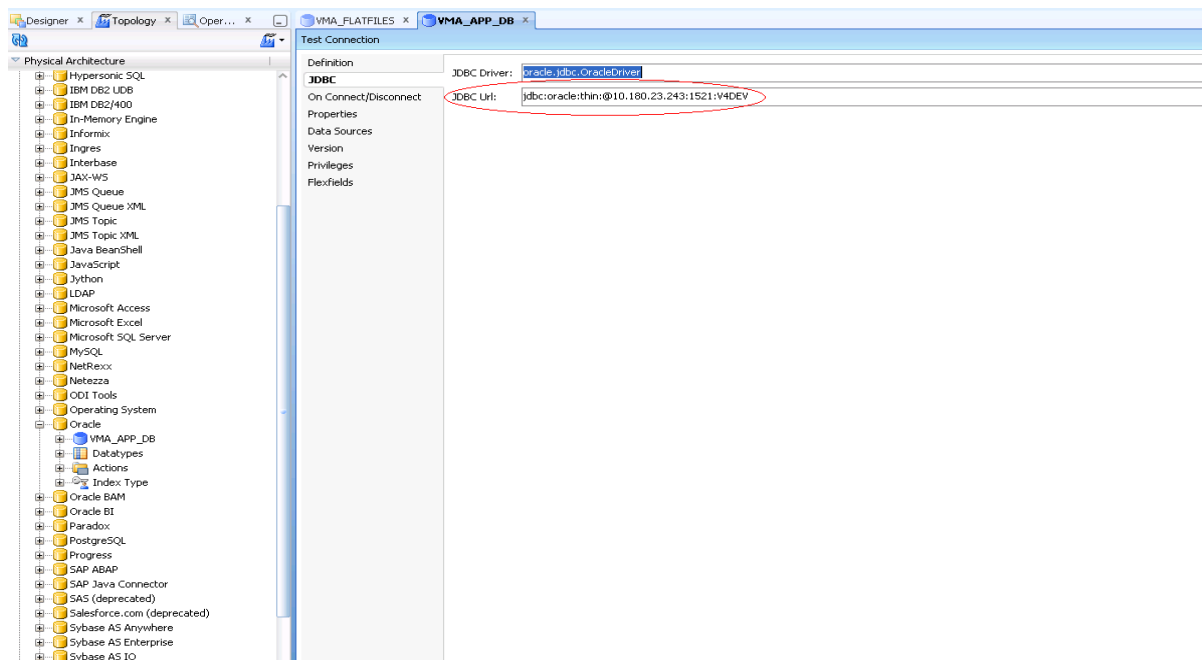




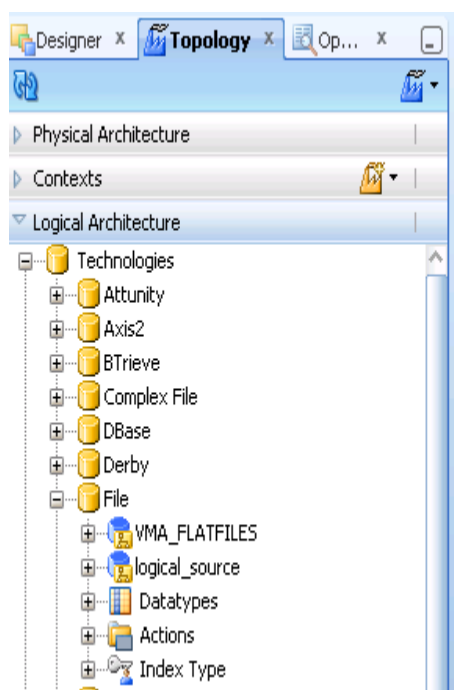
Edit the Data Server details for source File/VMA\_FLATFILES in Definition tab



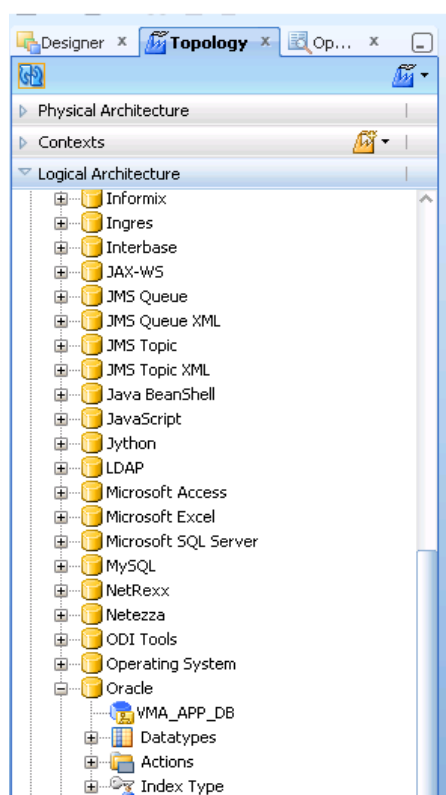
Edit the JDBC URL for target Oracle/VMA\_APP\_DB, pointing to the target databases.



Logical Architecture for source File/VMA\_FLATFILES require no change



Logical Architecture for target Oracle /VMA\_APP\_DB require no change



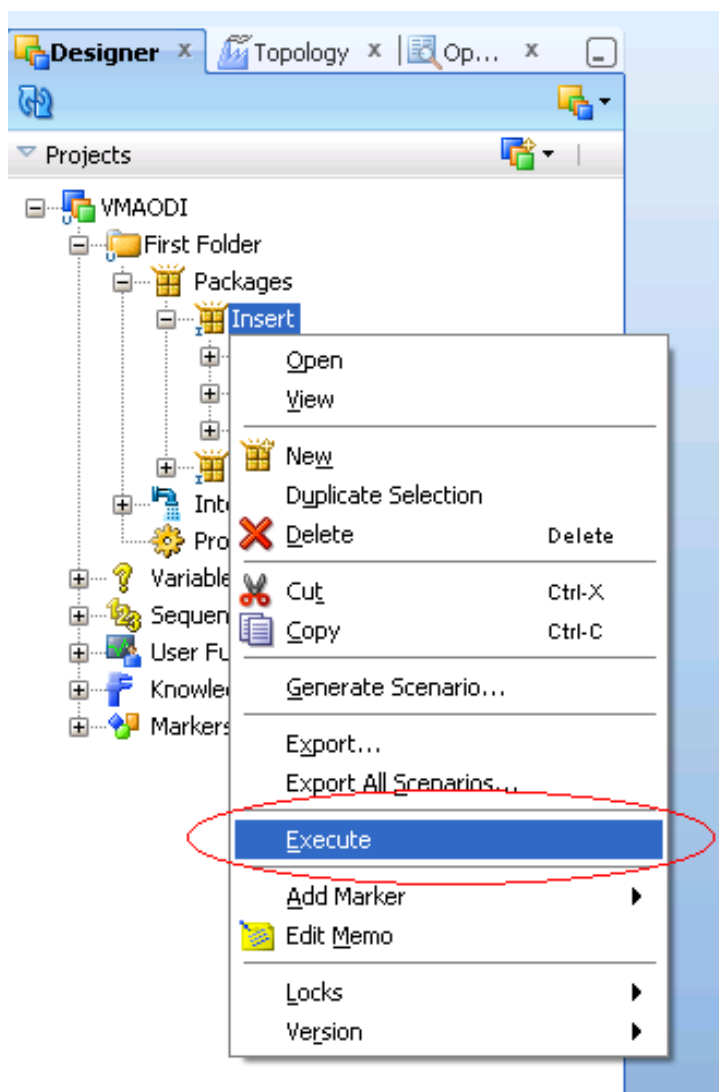
## Execution

The following section describes the actual execution process a user can follow for Transaction Feed Management.

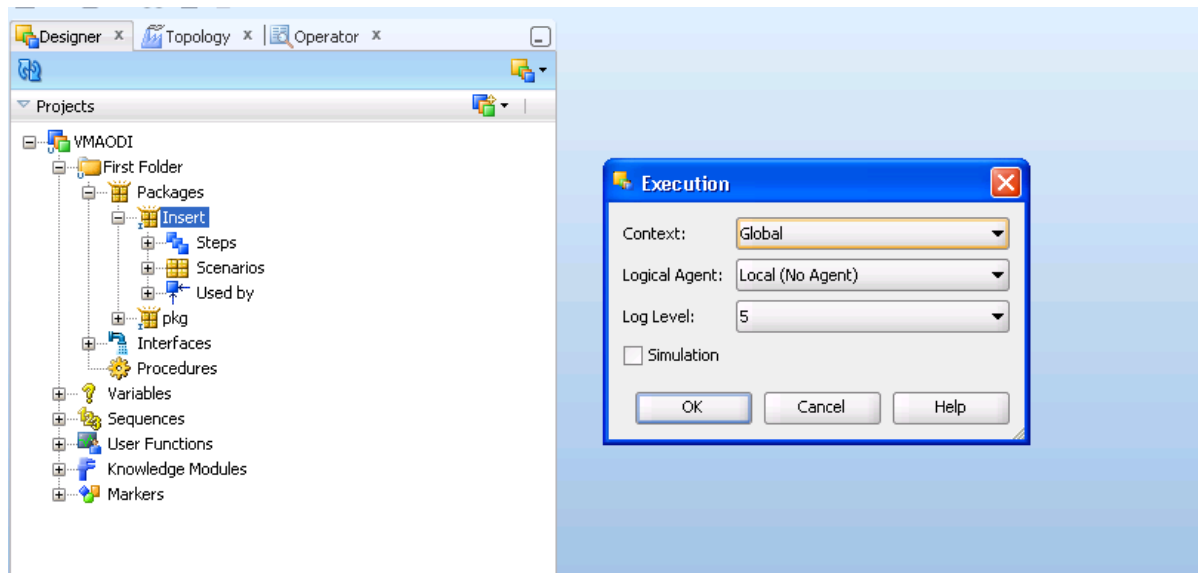
Execution for Transaction Feed includes uploading a Flat File from source Data server and corresponding data population in target RMB database.

### File Upload

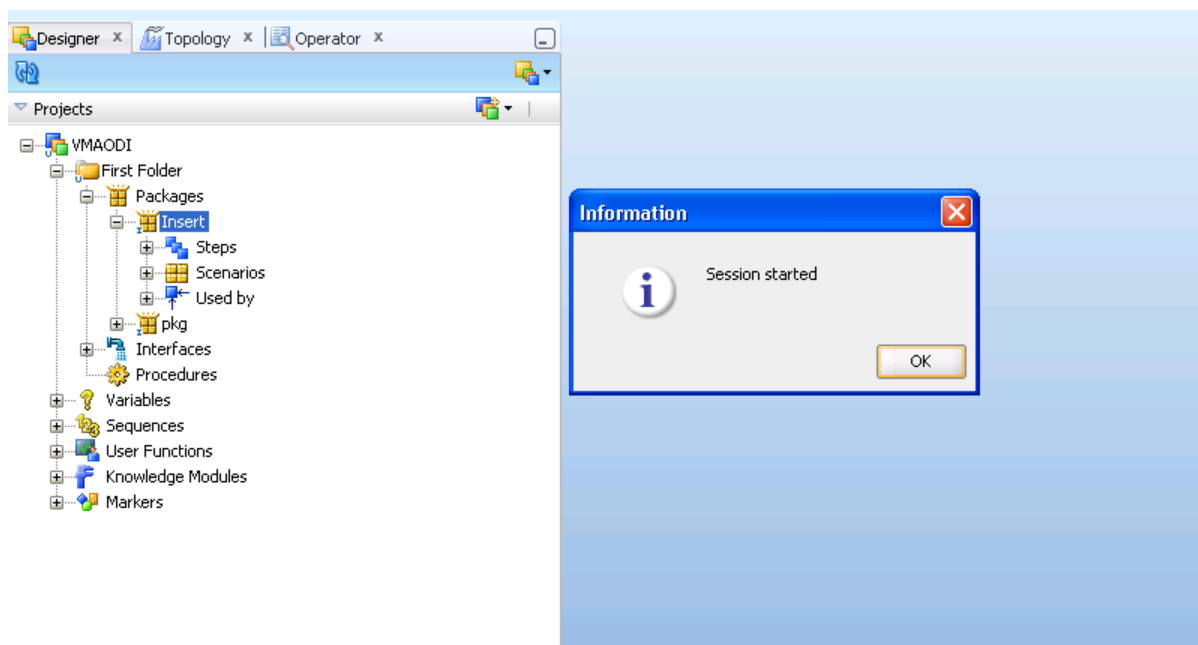
To upload a flat file, right click on the Designer > Projects > VMAODI >First Folder > Insert and select Execute.



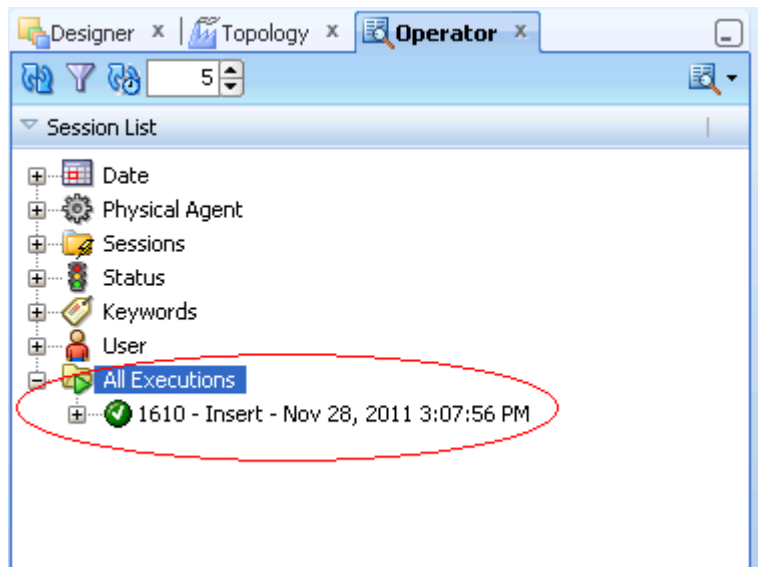
When clicked on Execute, user will be asked to continue Execution for not. Click on OK



A pop up saying Session Started will be appeared indicating that the file upload is started. Click on OK



User can keep track of the file upload whether successful or not going through  
Operator > All executions



## Managing the ODI Environment

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### How to Change the Default Database Passwords

Altering the database passwords post setup, change the Physical Architecture in ODI for technology Oracle for the data server for source and target databases. For master repository, ensure this information is updated in the login details for both master and work. Similarly for work repository update the connection details in master under Repositories tab.

### How to Change the ODI Topology Source and Target Connection Details

Edit the Physical Architecture for technology File for source File and Oracle for target database using Topology Manager.

### How to Change the Password for the ODI SUPERVISOR User

Change password for the SUPERVISOR user created during installation using the Security Manager module in ODI. Password set during installation is Oracle123.