Oracle FLEXCUBE Universal Banking® 12.0
Data Model – Getting Started

Release 1.0

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ORACLE
FINANCIAL SERVICES

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1 Preface

Oracle FLEXCUBE Universal Banking Software – Data model – Getting started document describes the method to create data model for application business extensibility purpose.

1.1 Audience

This guide is intended for FLEXCUBE Application developers who need to understand the FLEXCUBE UBS data model

2 Introduction

2.1 What is in this guide

This document describes the reverse engineering methodology to get the FLEXCUBE UBS data model for a given business purpose. A given business purpose could vary from report generation to data extraction to extending FLEXCUBE application functionality.

2.2 Why reverse engineering

As the complete ER diagram of FLEXCUBE UBS application would be huge, the business application developers need to re-engineer with required filtered portion of FLEXCUBE UBS to get specific portion of data model.

Example:

There is a business requirement to add additional fields to customer personal information. The business developer could filter the Customer specific entities from FLEXCUBE UBS Database schema and generate the ER diagram. This ER diagram further can be used to understand the FLEXCUBE UBS and can be foundation for further business development requirement.

3 FLEXCUBE UBS Data Model – getting started

3.1 FLEXCUBE UBS Data model schema

1. Follow the below steps to get the Oracle FLEXCUBE UBS Data model schema.
    a. Identify the new Oracle Database schema for data model purpose.
    b. Create the FLEXCUBE UBS database tables by running all the DDL scripts in below folder at the schema identified.
        - FC_UBS_V.UM_11.3.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE

- FC_UBS_V.UM_11.3.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE
- FC_UBS_V.UM_11.3.0\MAIN\DATABASE\EL\CONSOL\DDL\TABLE

c. Create Foreign Keys in schema using following scripts at the schema identified.
   - FC_UBS_V.UM_11.3.0\MAIN\DATABASE\DATAMODEL\FKR

d. Create column comments using below scripts at the schema identified.
   - FC_UBS_V.UM_11.3.0\MAIN\DATABASE\DATAMODEL\CMT

***Note**: The Database environment used for this data model cannot be used for other testing/production purpose.*

2. You can get the data model PDF documents from below folders for each module that data model is shipped.
   - FC_UBS_V.UM_11.3.0\MAIN\DATABASE\DATAMODEL\PDF

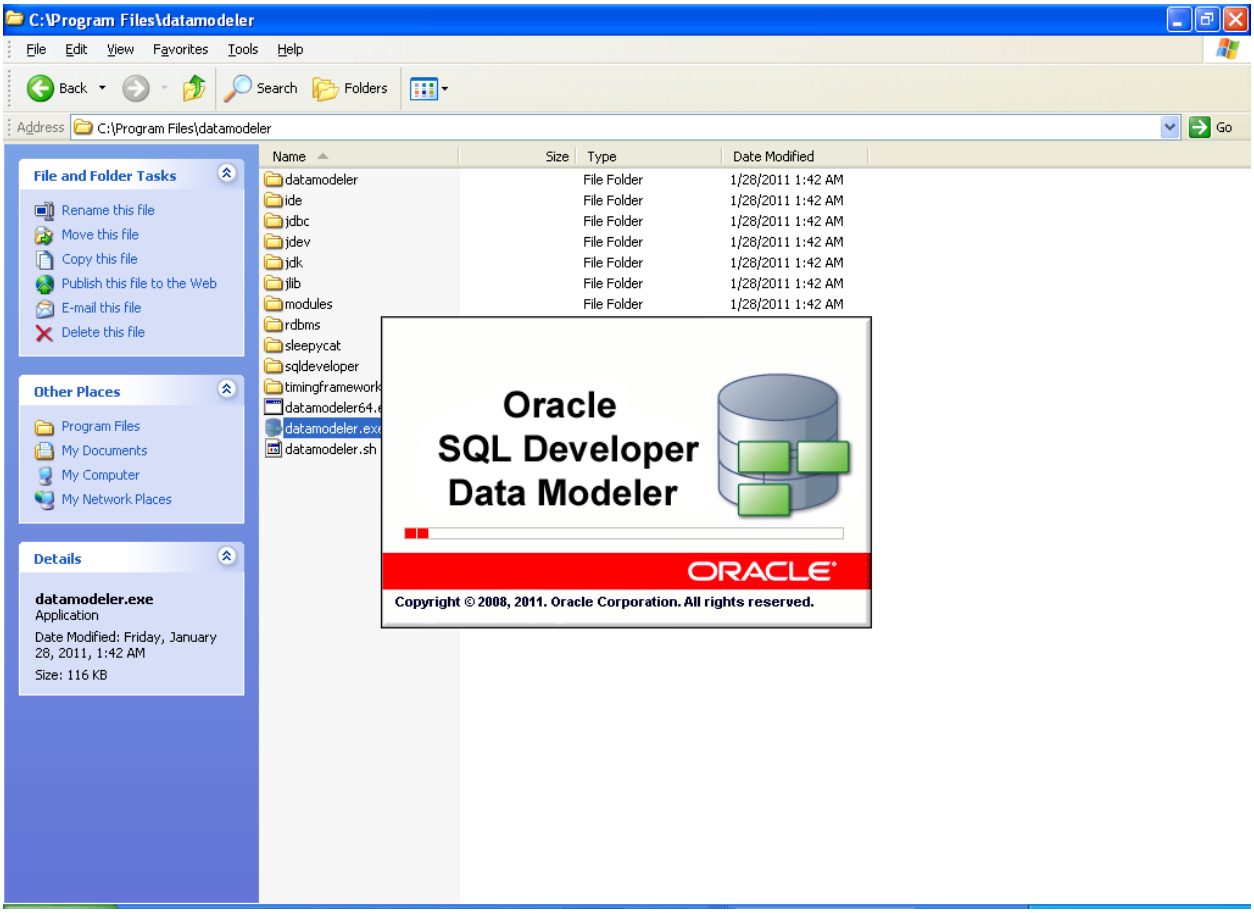
3.2 Oracle SQL Developer Data Modeler

Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

http://www.oracle.com/technetwork/developer-tools/datamodeler/downloads/index.html

4 Creating Data Model and ER diagram

1. Open the Oracle SQL Developer Data modeler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Address C:\Program Files\datamodeler
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Rename this file
Move this file
Copy this file
Publish this file to the Web
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Delete this file
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Oracle
SQL Developer
Data Modeler
ORACLE
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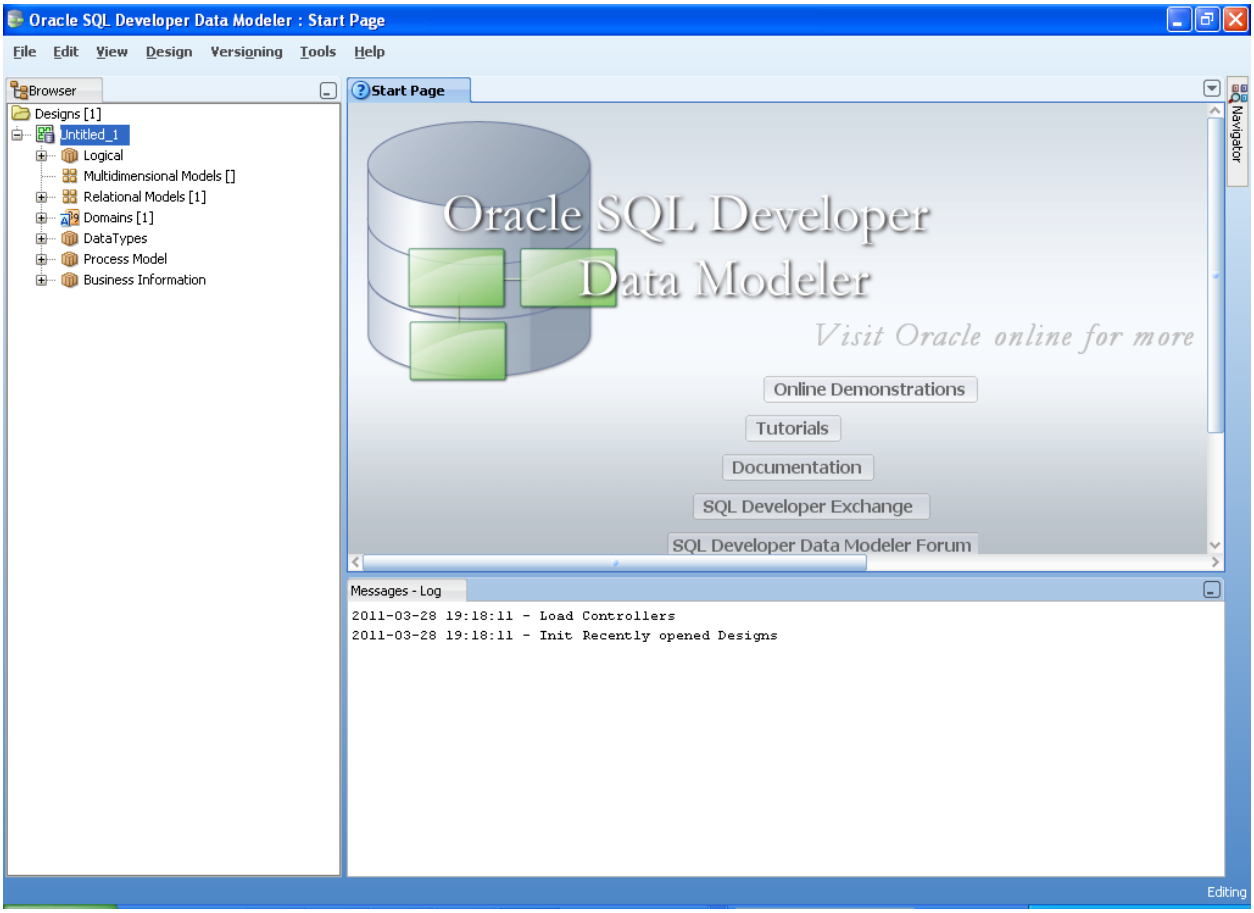
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File Edit View Design Versioning Tools Help
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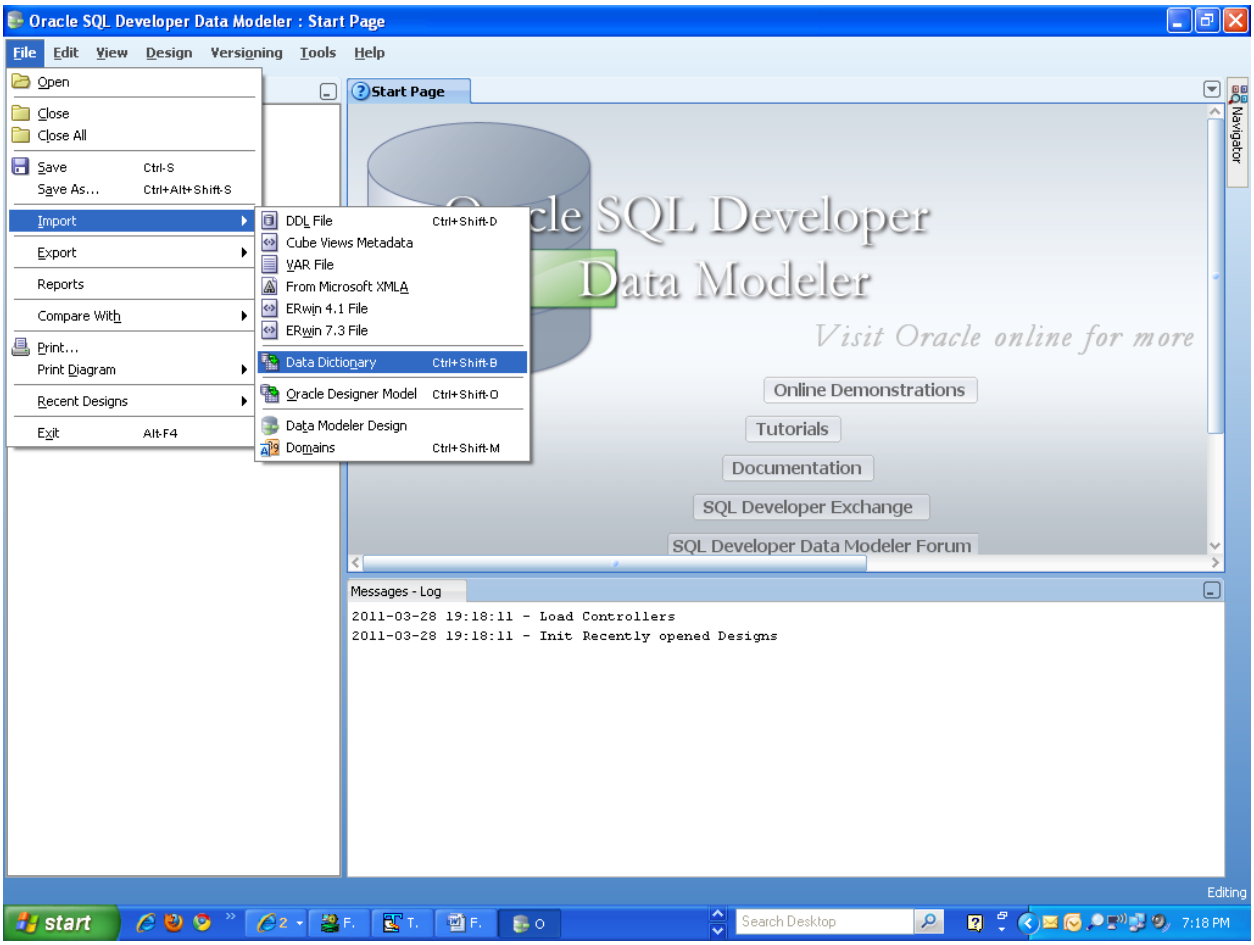
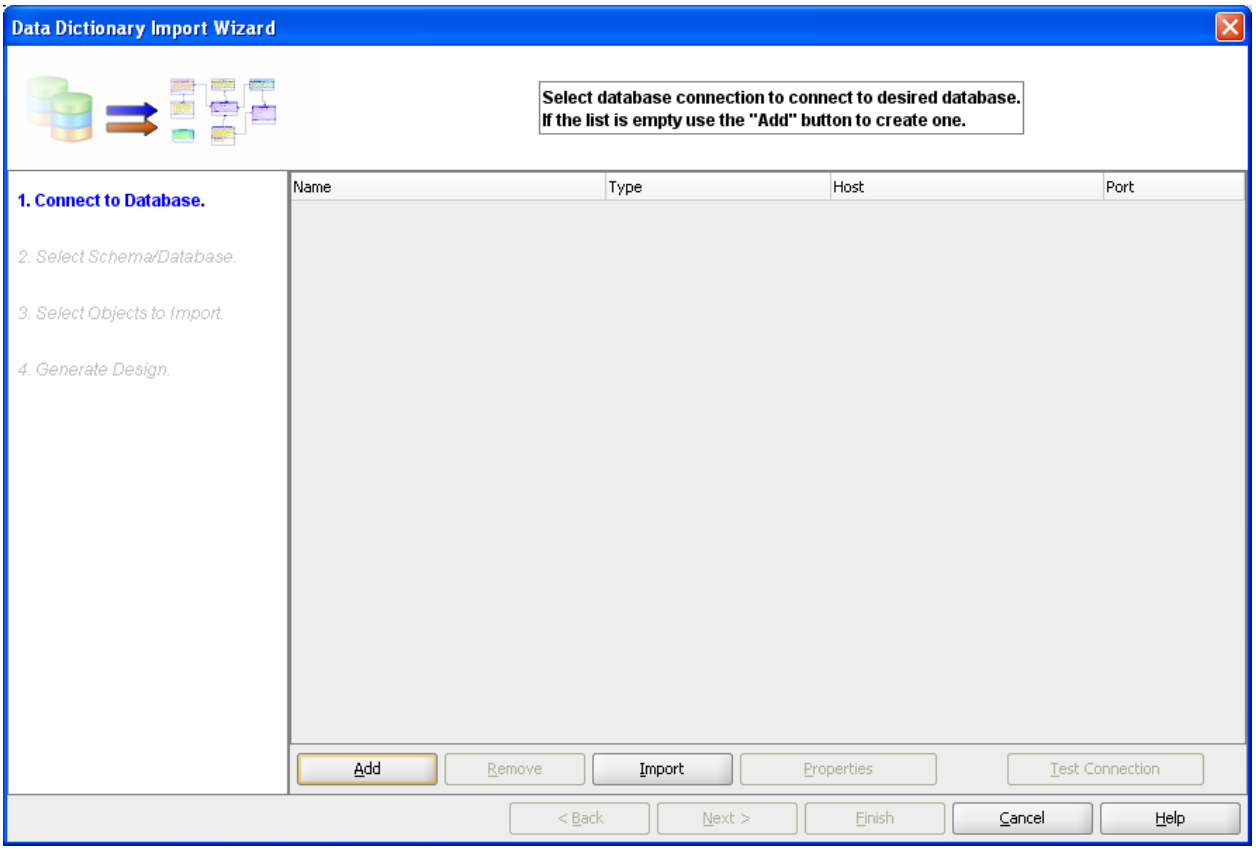
Logical
Multidimensional Models []
Relational Models [1]
Domains [1]
DataTypes
Process Model
Business Information
Start Page
Navigator
Oracle SQL Developer
Data Modeler
Visit Oracle online for more
Online Demonstrations
Tutorials
Documentation
SQL Developer Exchange
SQL Developer Data Modeler Forum
Messages - Log
2011-03-28 19:18:11 - Load Controllers
2011-03-28 19:18:11 - Init Recently opened Designs
Editing

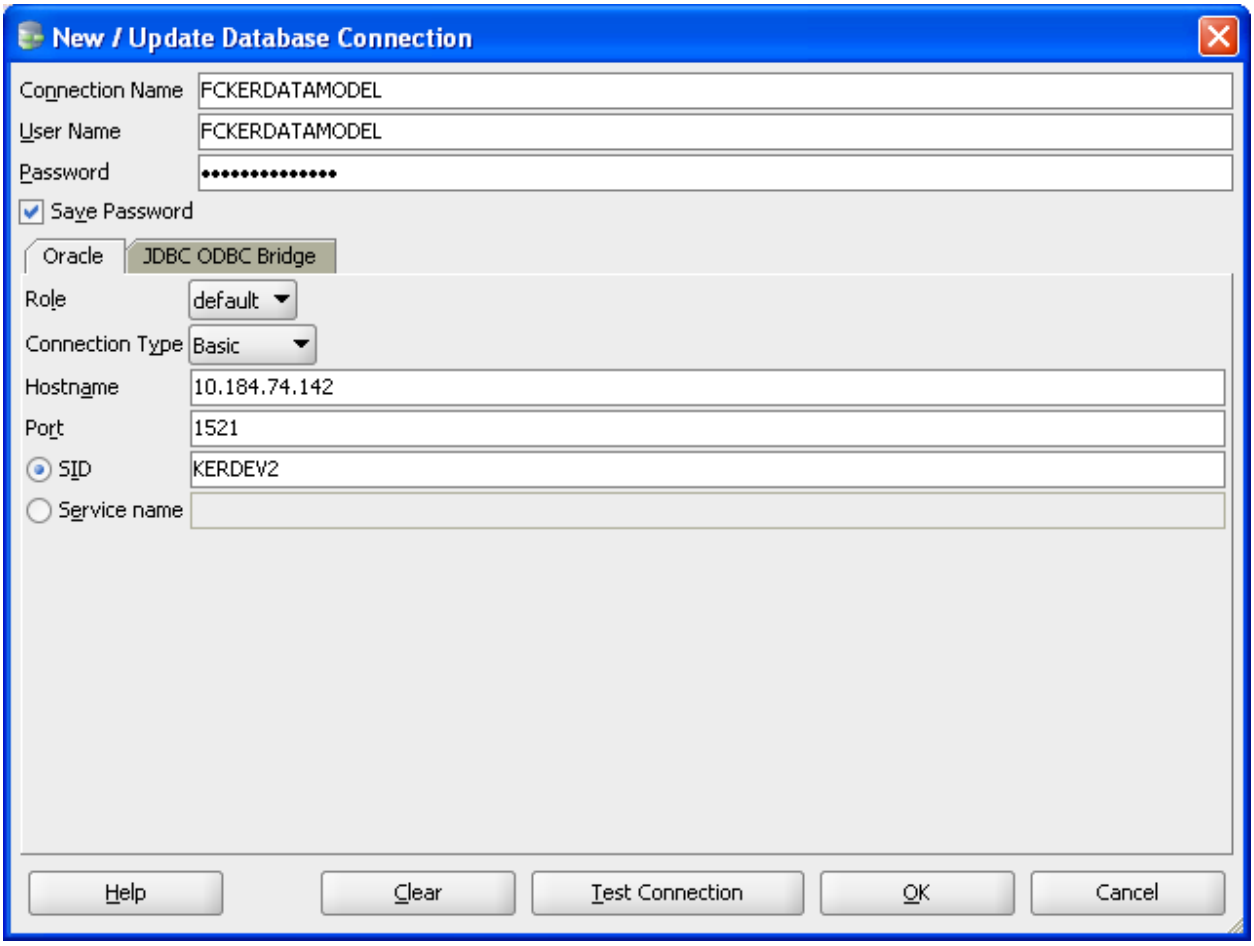
2. Click **File → Import → Data dictionary**



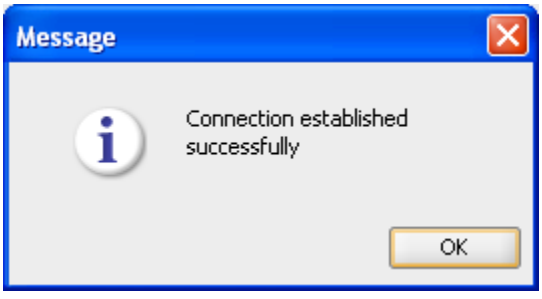
3. Click **Add**


Data Dictionary Import Wizard
Select database connection to connect to desired database.
If the list is empty use the "Add" button to create one.
1. Connect to Database.
2. Select Schema/Database.
3. Select Objects to Import.
4. Generate Design.
Name
Type
Host
Port
Add
Remove
Import
Properties
Test Connection
< Back
Next >
Finish
Cancel
Help

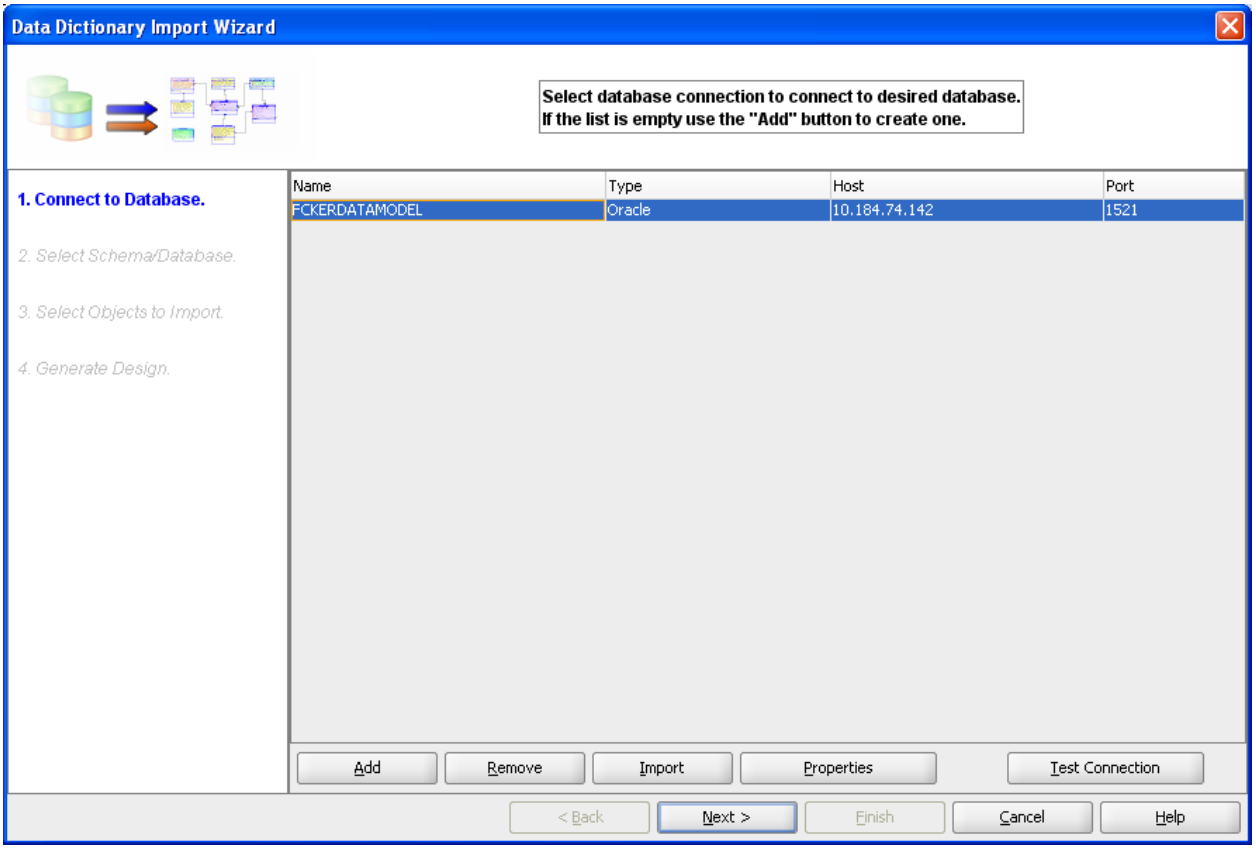
4. Provide the **database connectivity** parameters



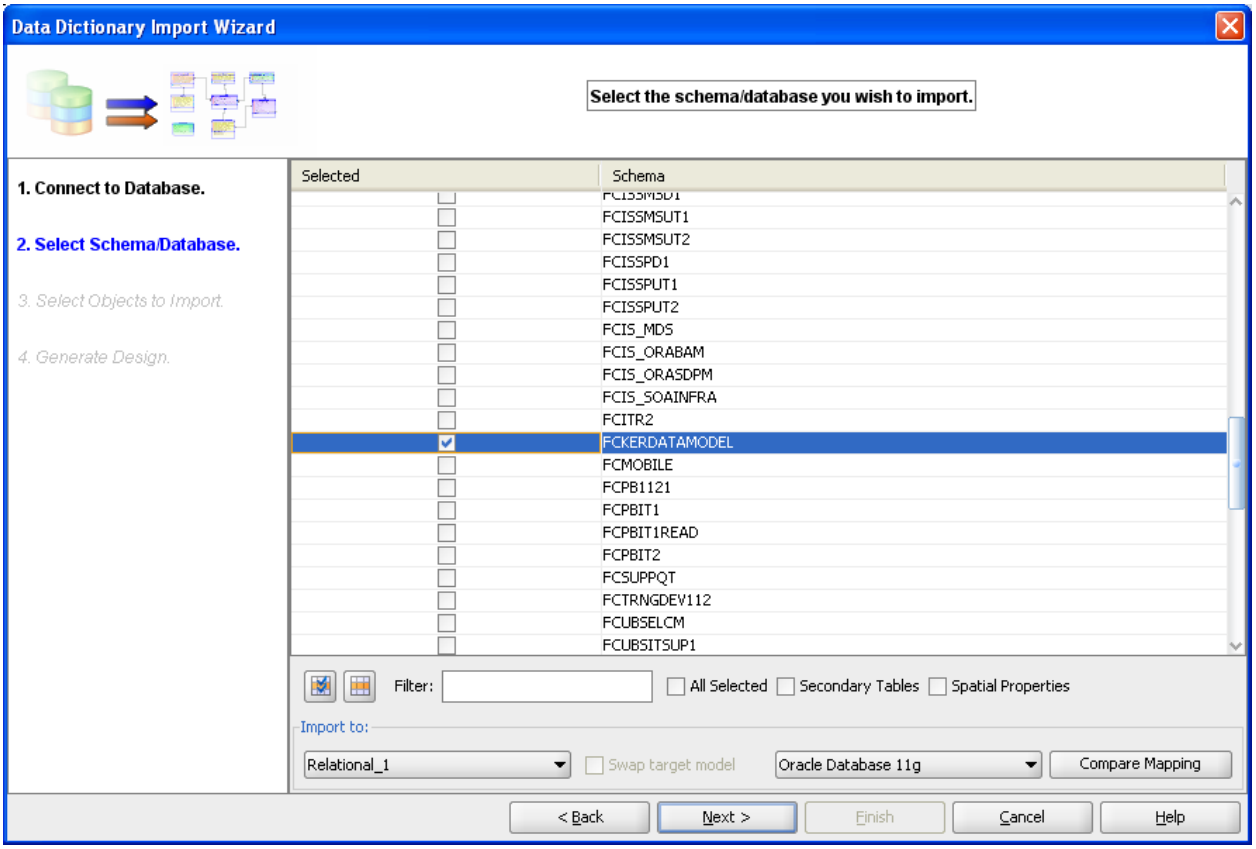
5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step 4



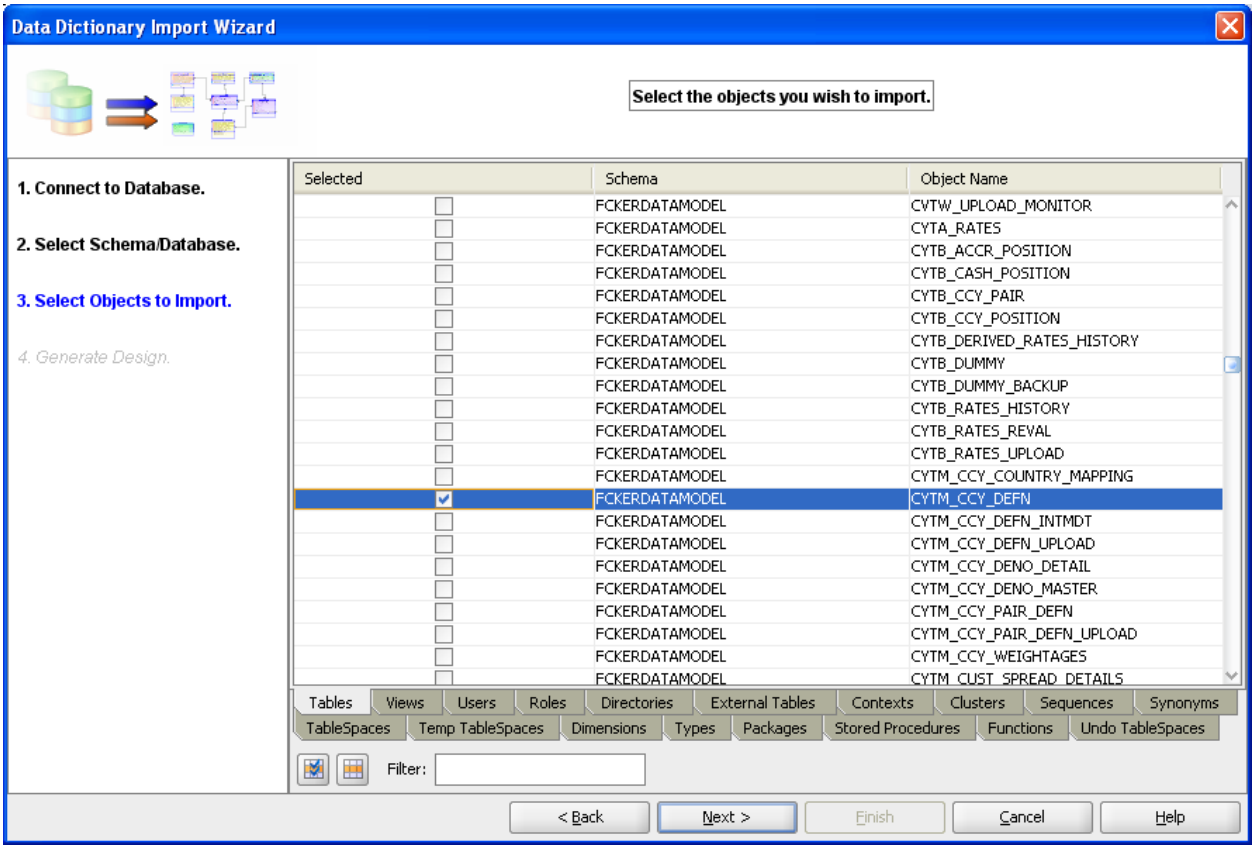
6. Click database connection row

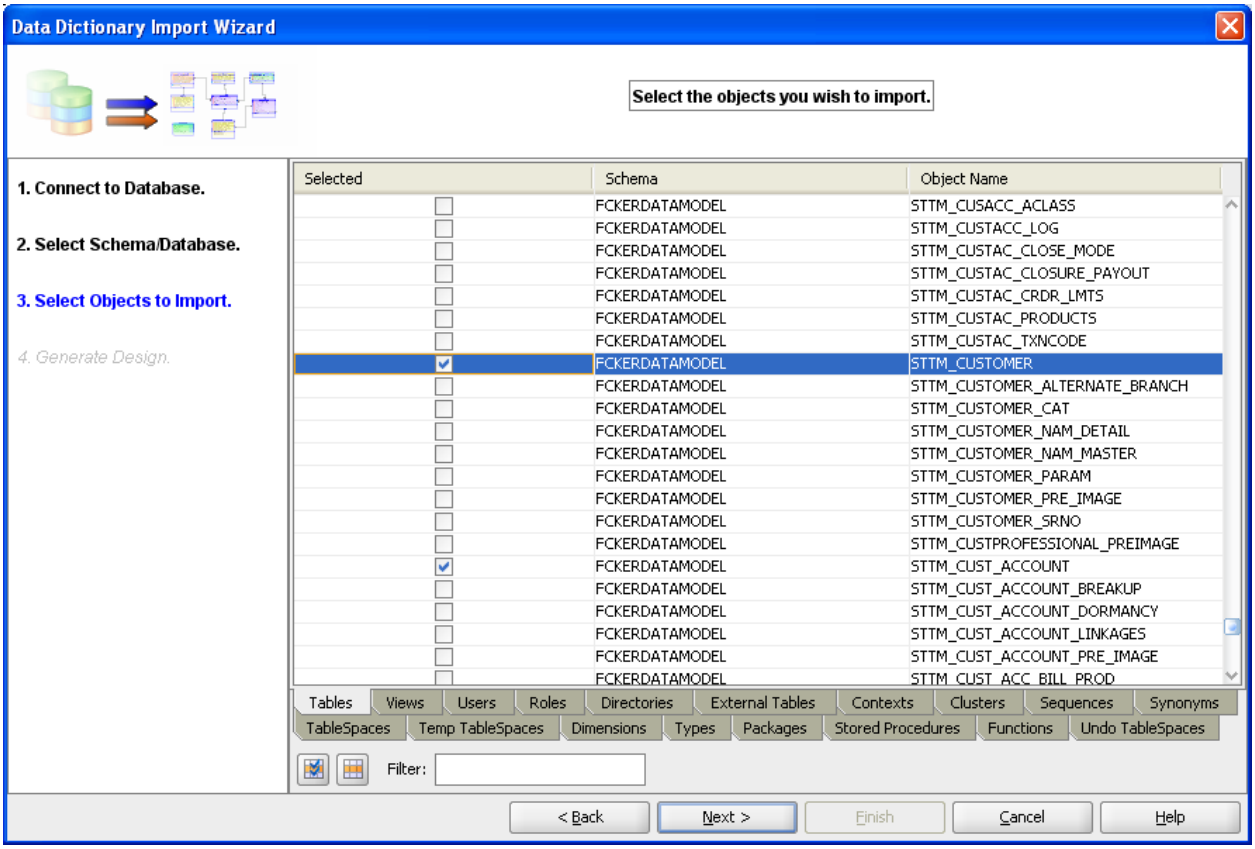


8. Select the database Schema name



9. Select the entities(tables) that are to be used in ER diagram




Data Dictionary Import Wizard
Select the objects you wish to import.
1. Connect to Database.
2. Select Schema/Database.
3. Select Objects to Import.
4. Generate Design.
Selected
Schema
Object Name
FCKERDATAMODEL STTM_CUSACC_ACLASS
FCKERDATAMODEL STTM_CUSTACC_LOG
FCKERDATAMODEL STTM_CUSTAC_CLOSE_MODE
FCKERDATAMODEL STTM_CUSTAC_CLOSURE_PAYOUT
FCKERDATAMODEL STTM_CUSTAC_CRDR_LMTS
FCKERDATAMODEL STTM_CUSTAC_PRODUCTS
FCKERDATAMODEL STTM_CUSTAC_TXNCODE
FCKERDATAMODEL STTM_CUSTOMER
FCKERDATAMODEL STTM_CUSTOMER_ALTERNATE_BRANCH
FCKERDATAMODEL STTM_CUSTOMER_CAT
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FCKERDATAMODEL STTM_CUSTOMER_NAM_MASTER
FCKERDATAMODEL STTM_CUSTOMER_PARAM
FCKERDATAMODEL STTM_CUSTOMER_PRE_IMAGE
FCKERDATAMODEL STTM_CUSTOMER_SRNO
FCKERDATAMODEL STTM_CUSTPROFESSIONAL_PREIMAGE
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Views
Users
Roles
Directories
External Tables
Contexts
Clusters
Sequences
Synonyms
TableSpaces
Temp TableSpaces
Dimensions
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Packages
Stored Procedures
Functions
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Filter:
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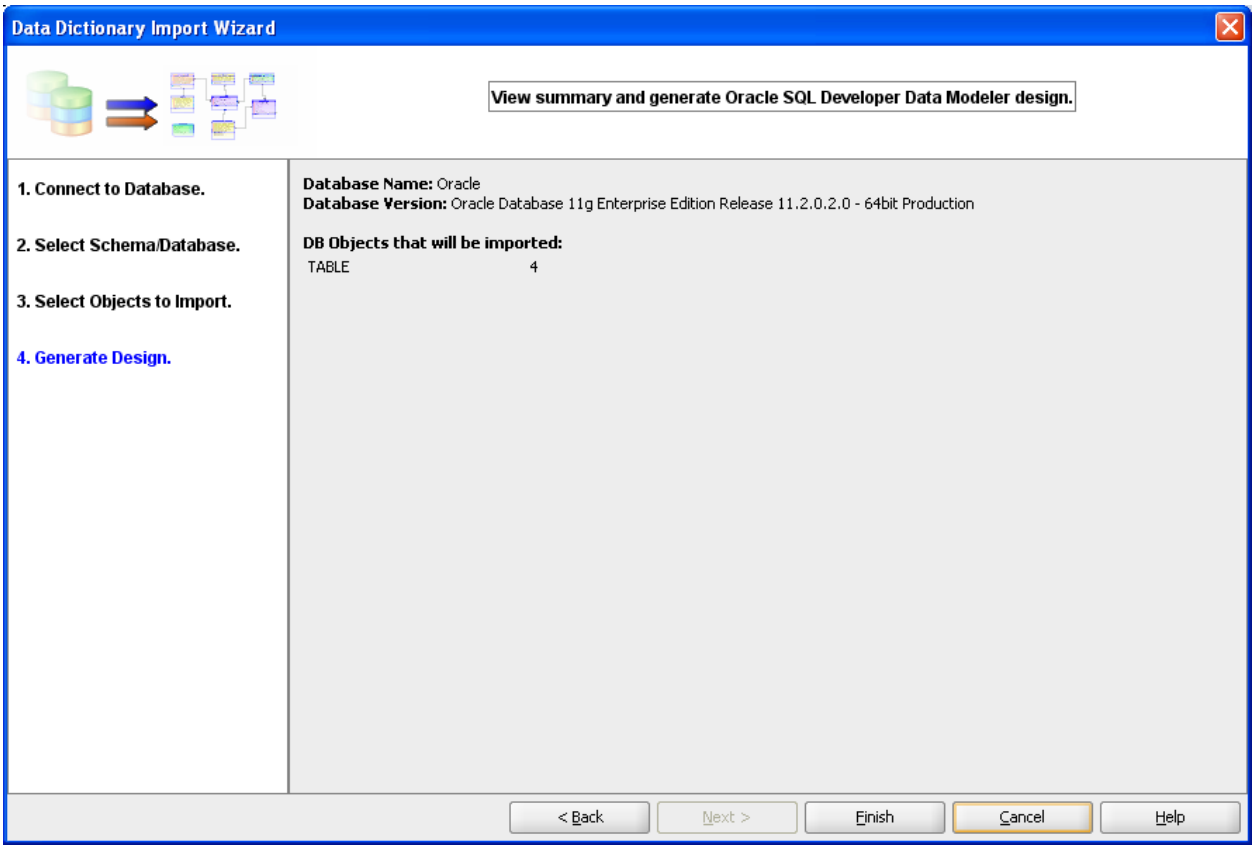
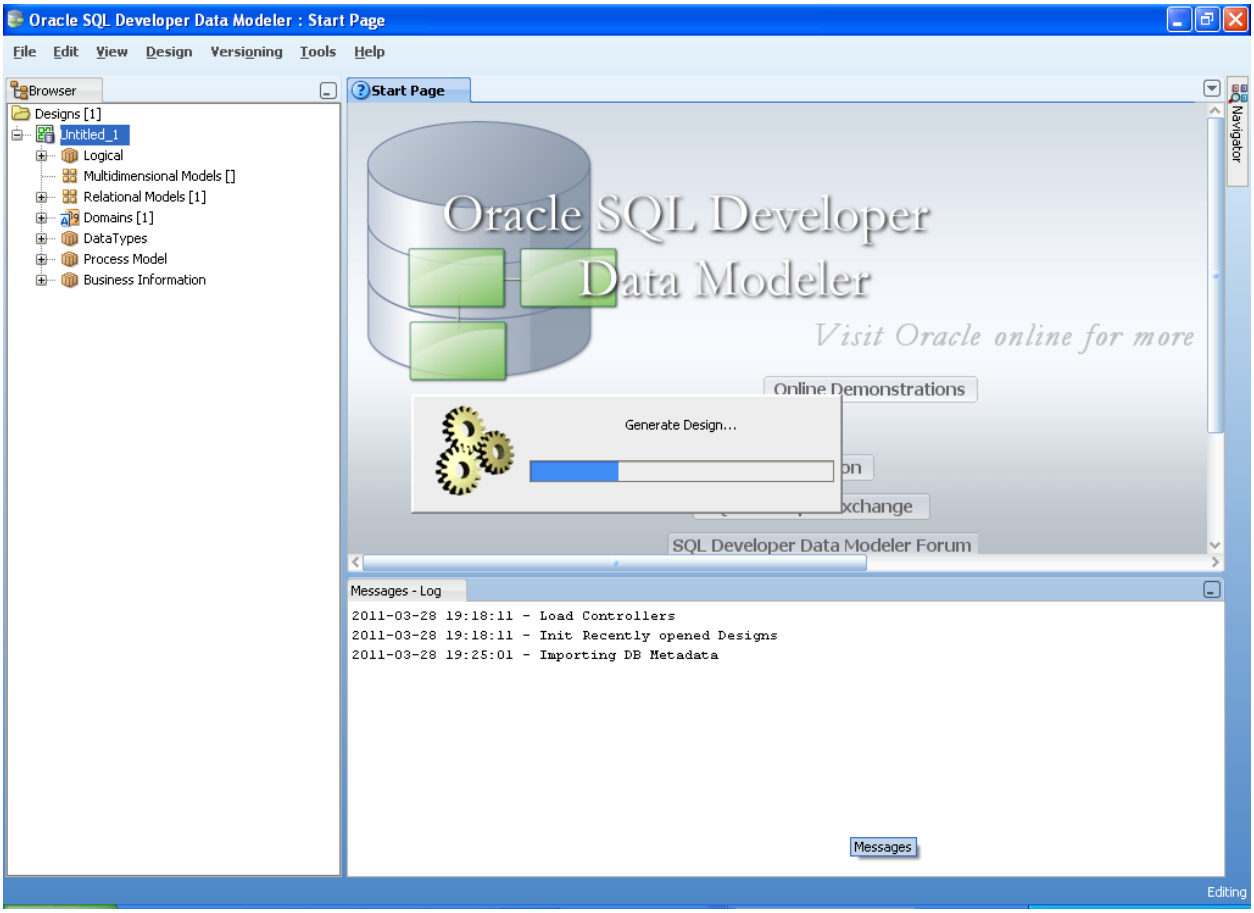
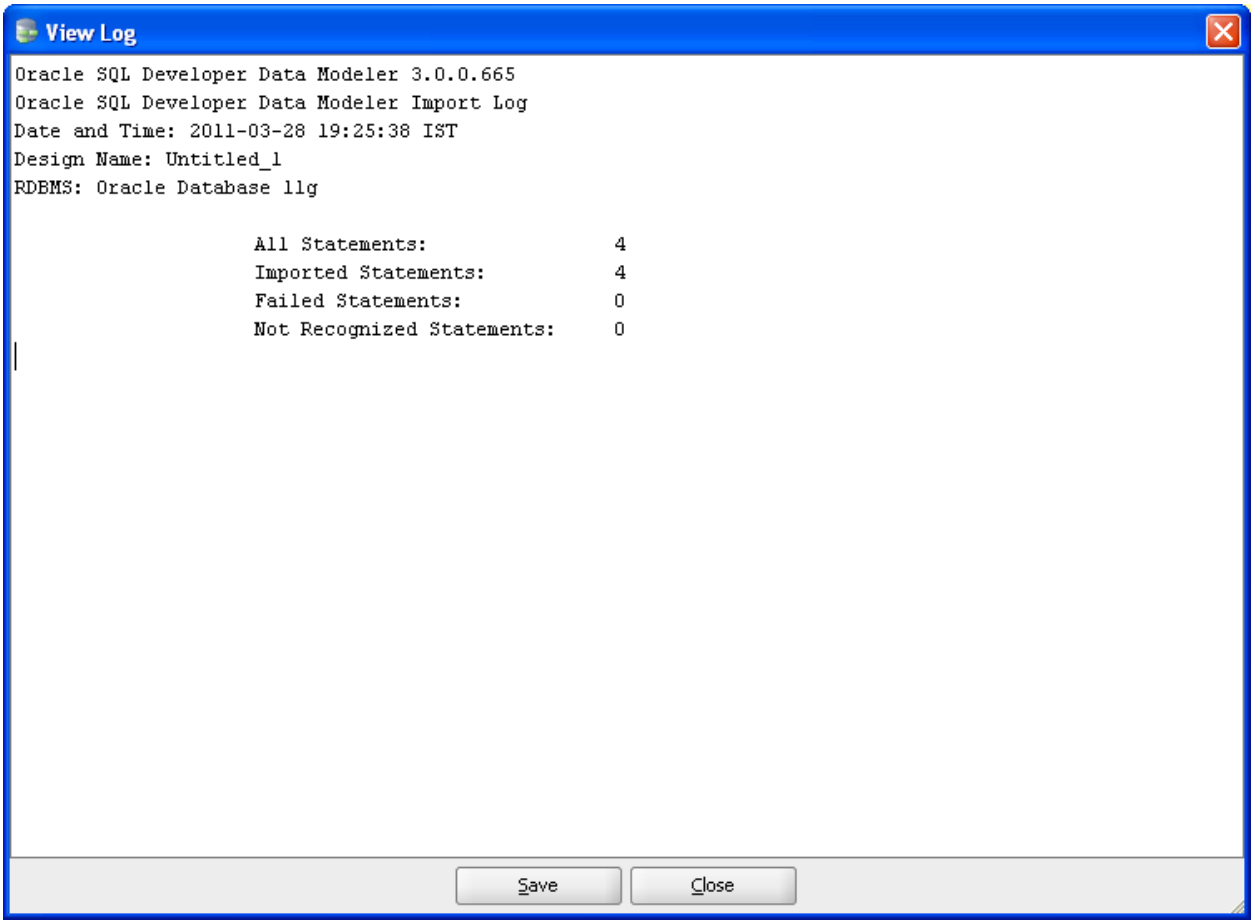
Next >
Finish
Cancel
Help

10. Click **Next**



11. Click **Finish**

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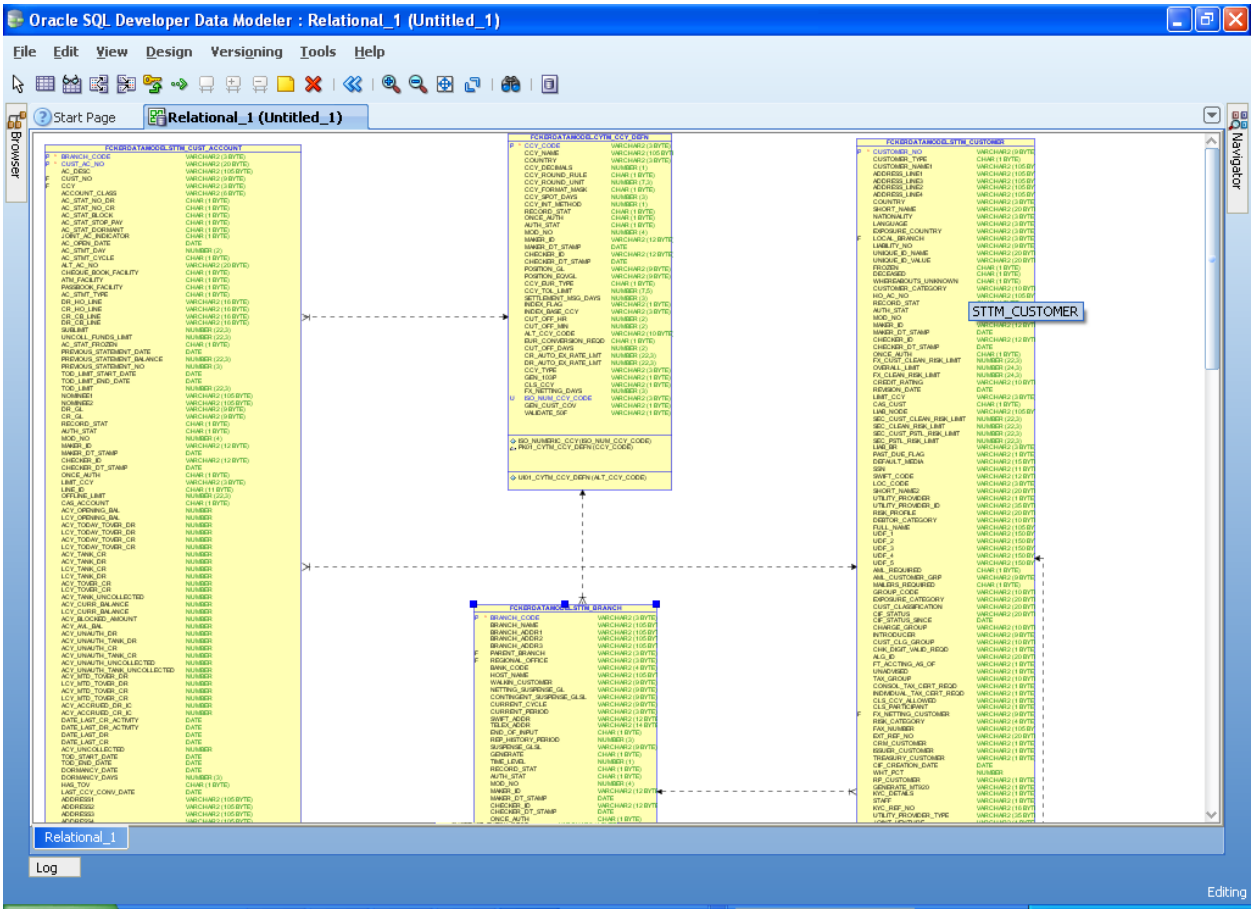
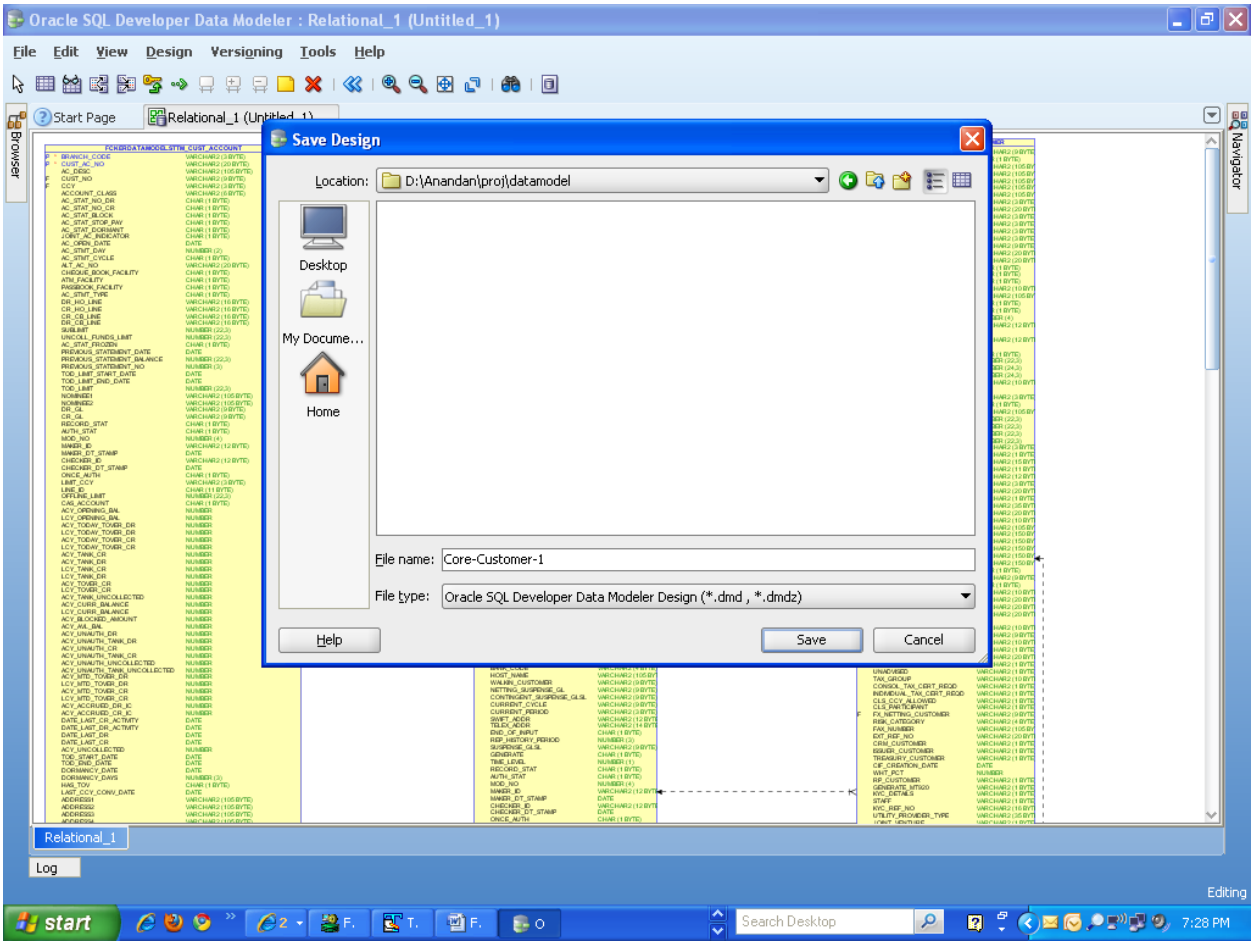
Save
Close



12. Save data model generated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Start Page
Relational_1 (Untitled_1)
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File name: Core-Customer-1
File type: Oracle SQL Developer Data Modeler Design (*.dmd , *.dmdz)
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Relational_1
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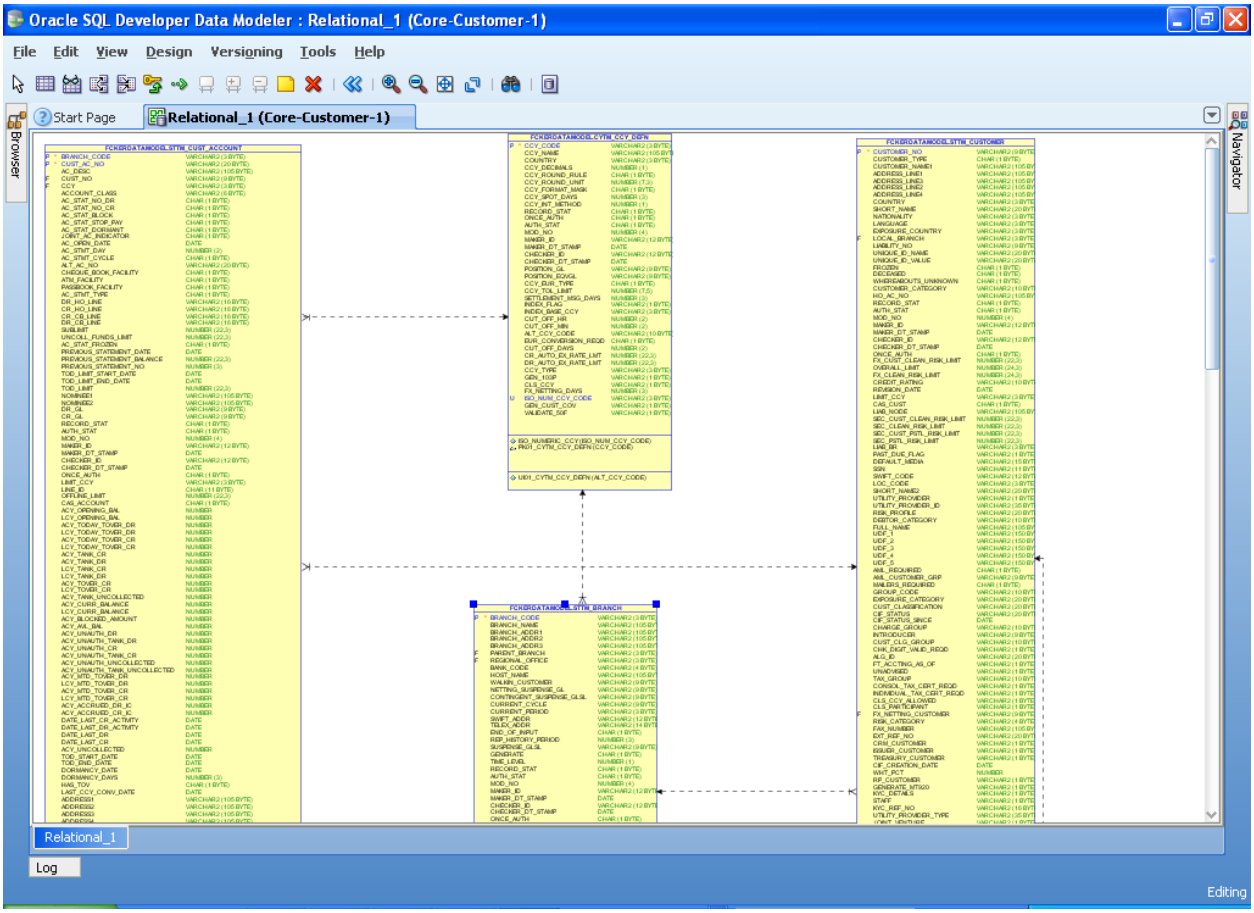
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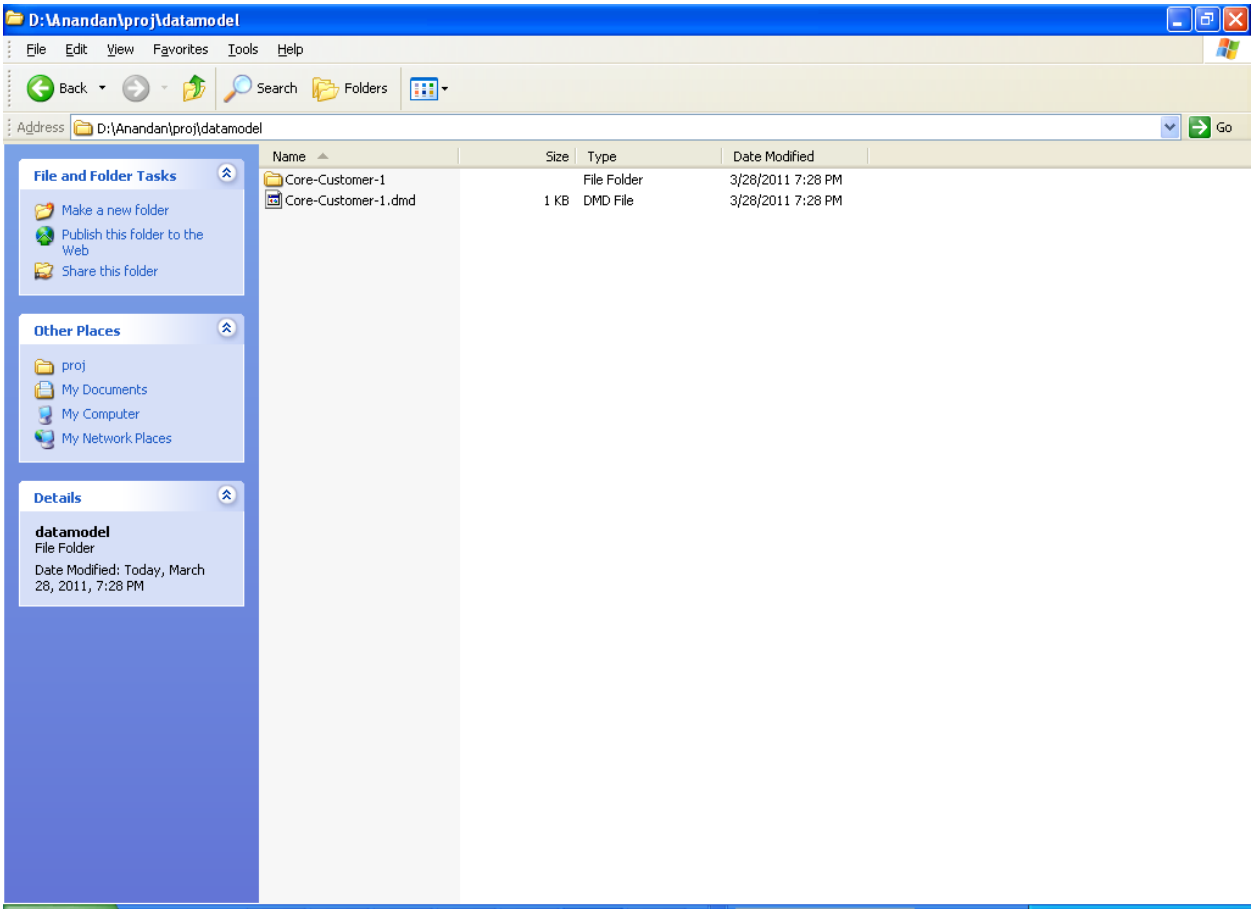
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File Edit View Favorites Tools Help
Back Search Folders
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Publish this folder to the Web
Share this folder
Other Places
proj
My Documents
My Computer
My Network Places
Details
datamodel
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Name
Size
Type
Date Modified
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File Folder
3/28/2011 7:28 PM
Core-Customer-1.dmd
1 KB
DMD File
3/28/2011 7:28 PM

Data Model getting started

June 2012

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