

Data Model – Getting Started
Oracle FLEXCUBE Universal Banking
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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.
 - FCUBS_12.2.0.0.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE
 - FCUBS_12.2.0.0.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE

- FCUBS_12.2.0.0.0\MAIN\DATABASE\EL\CONSOL\DDL\TABLE
- c. Create Foreign Keys in schema using following scripts at the schema identified.
- FCUBS_12.2.0.0.0\MAIN\DATABASE\DATAMODEL\FKR
- d. Create column comments using below scripts at the schema identified.
- FCUBS_12.2.0.0.0\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.
- FCUBS_12.2.0.0.0\MAIN\DATABASE\DATAMODEL\PDF

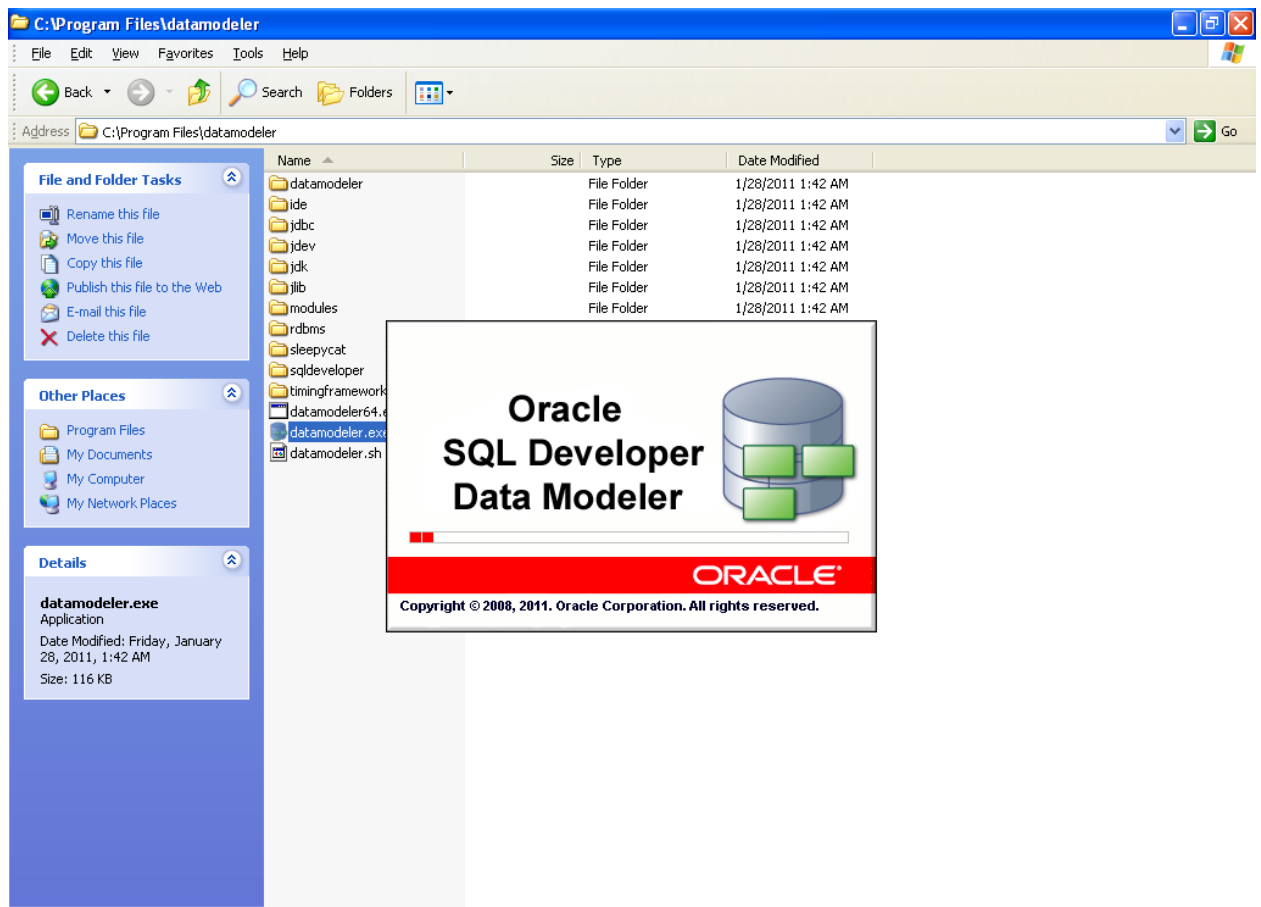
3.2 Oracle SQL Developer Data Modeler

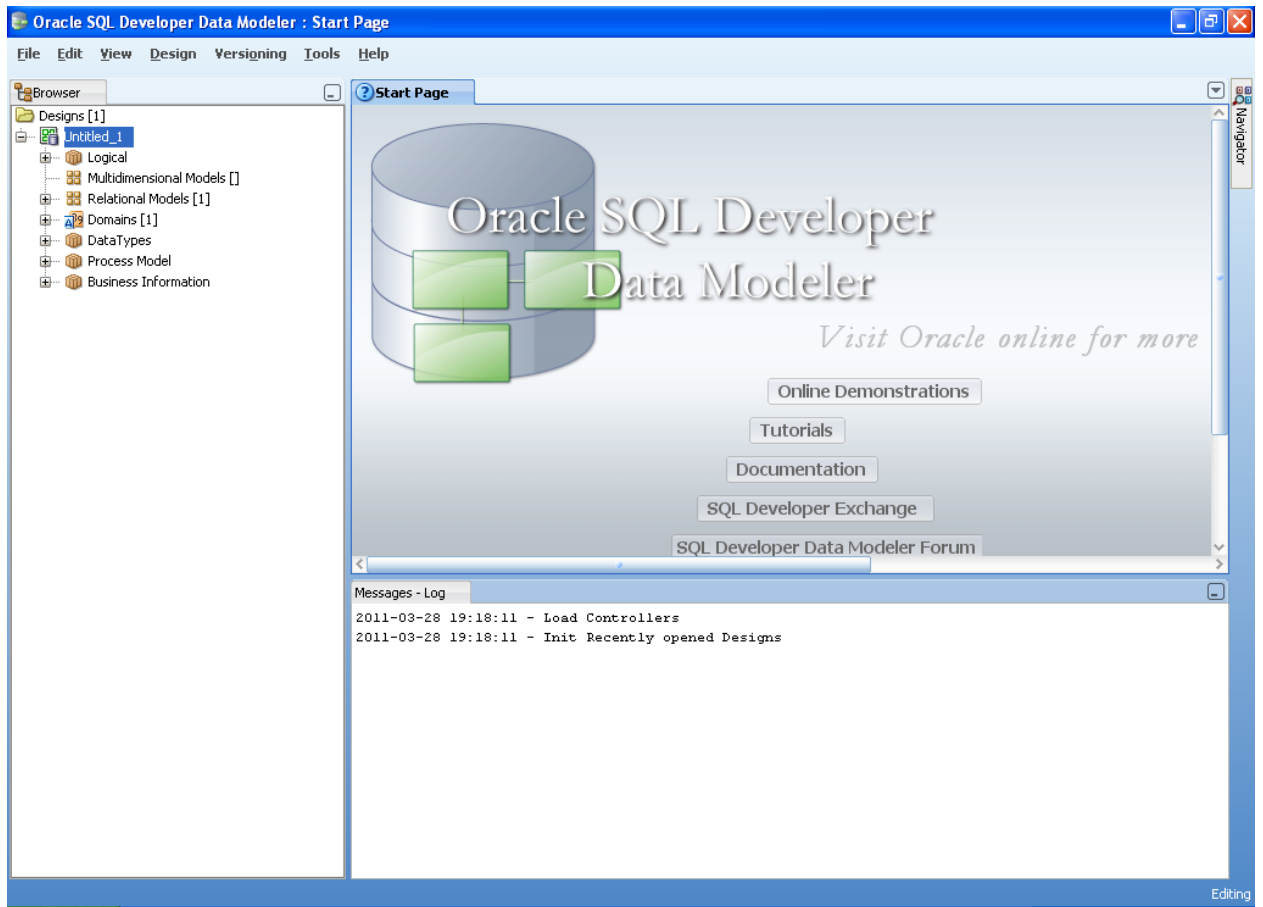
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

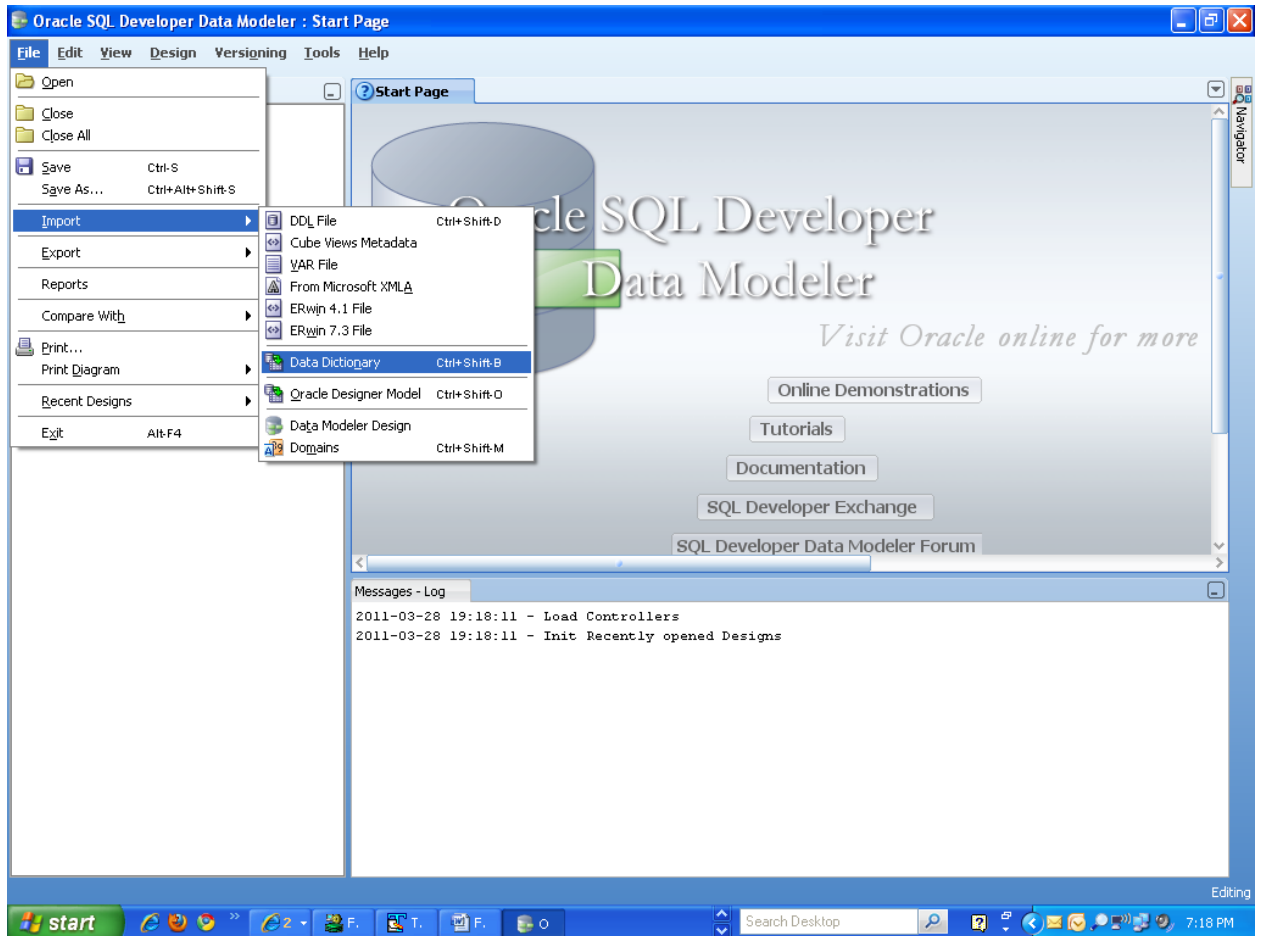
4 Creating Data Model and ER diagram

1. Open the Oracle SQL Developer Data modeler

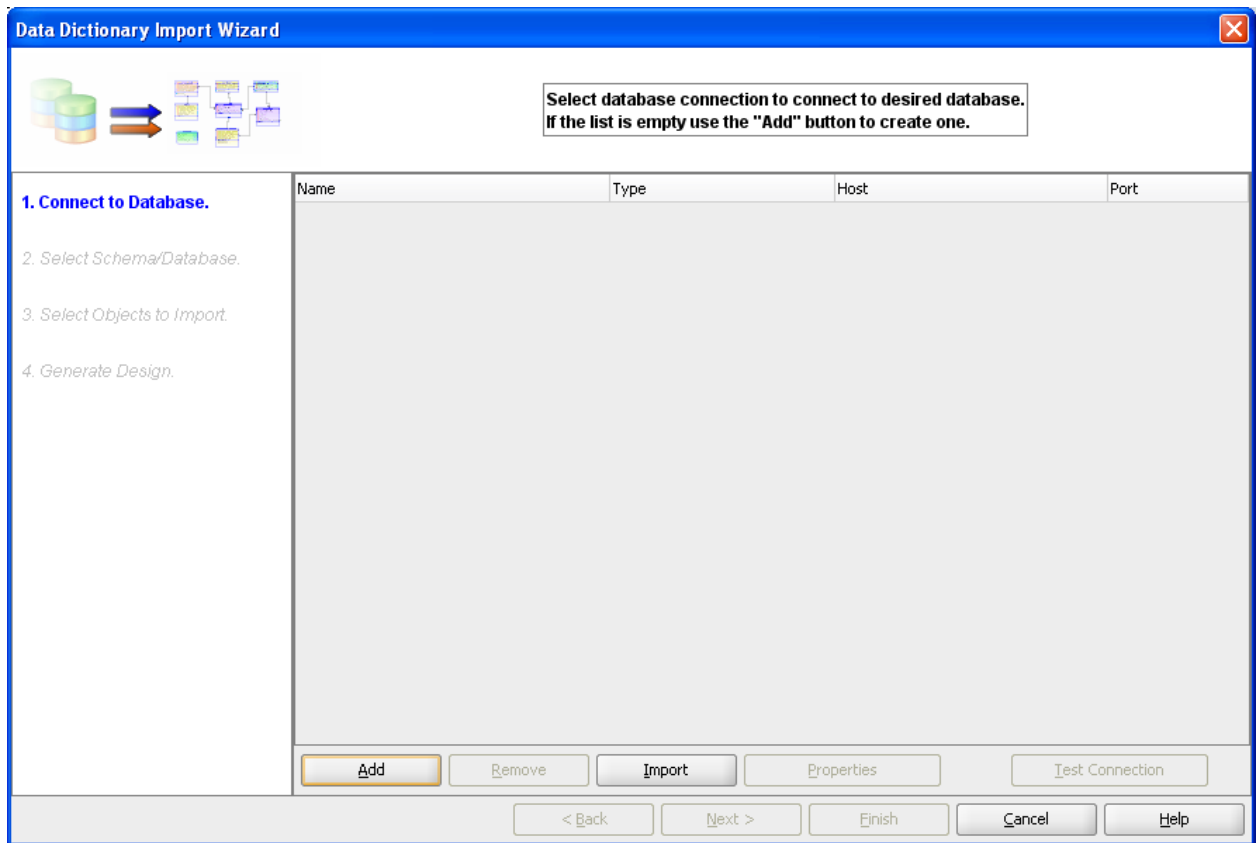




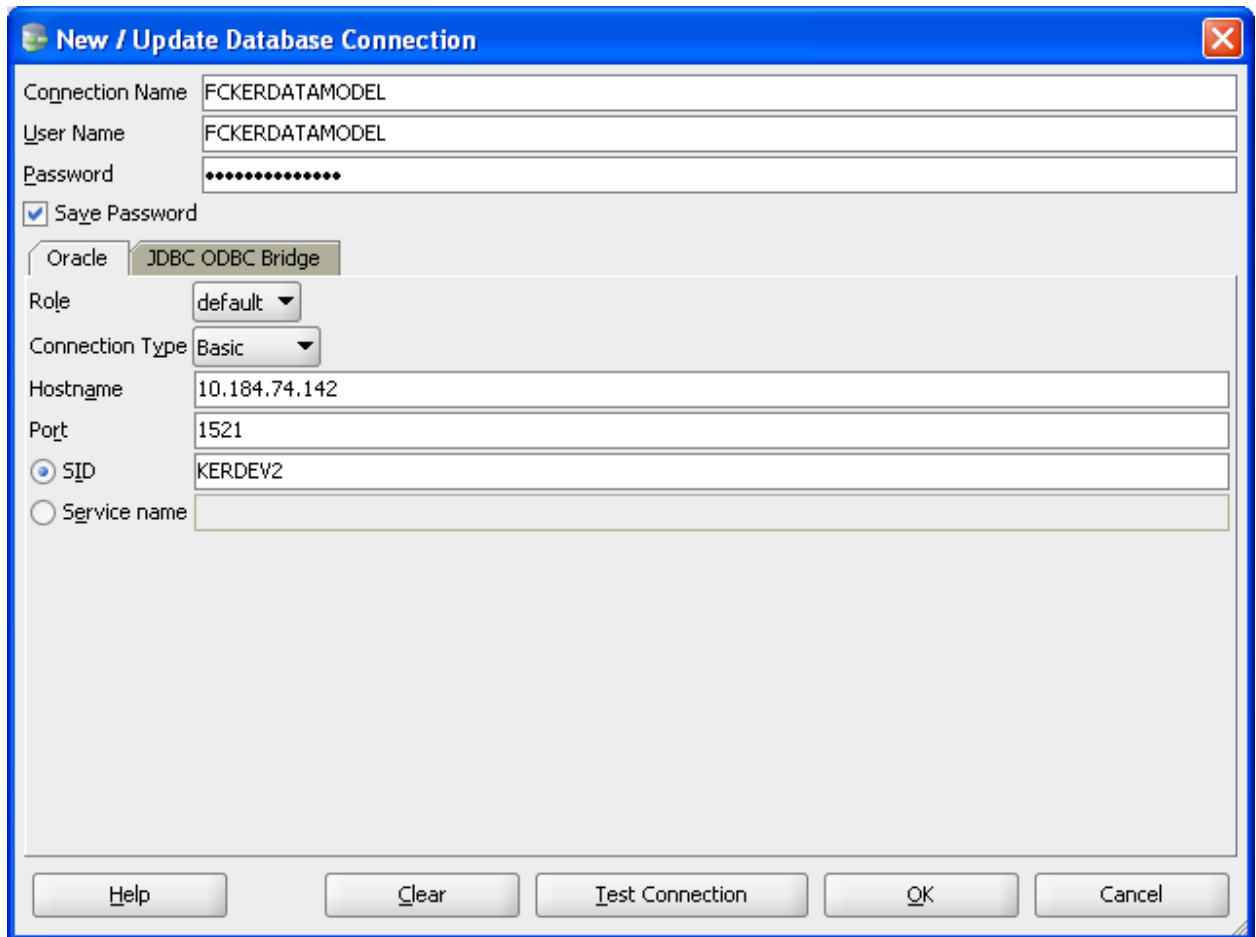
2. Click **File** → **Import** → **Data dictionary**



3. Click **Add**



4. Provide the **database connectivity** parameters



New / Update Database Connection

Connection Name: FCKERDATAMODEL

User Name: FCKERDATAMODEL

Password:

☒ Save Password

Oracle **JDBC ODBC Bridge**

Role: default

Connection Type: Basic

Hostname: 10.184.74.142

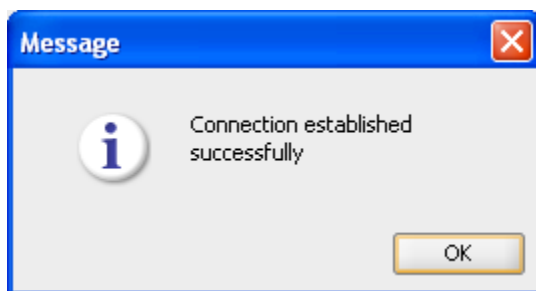
Port: 1521

☒ SID: KERDEV2

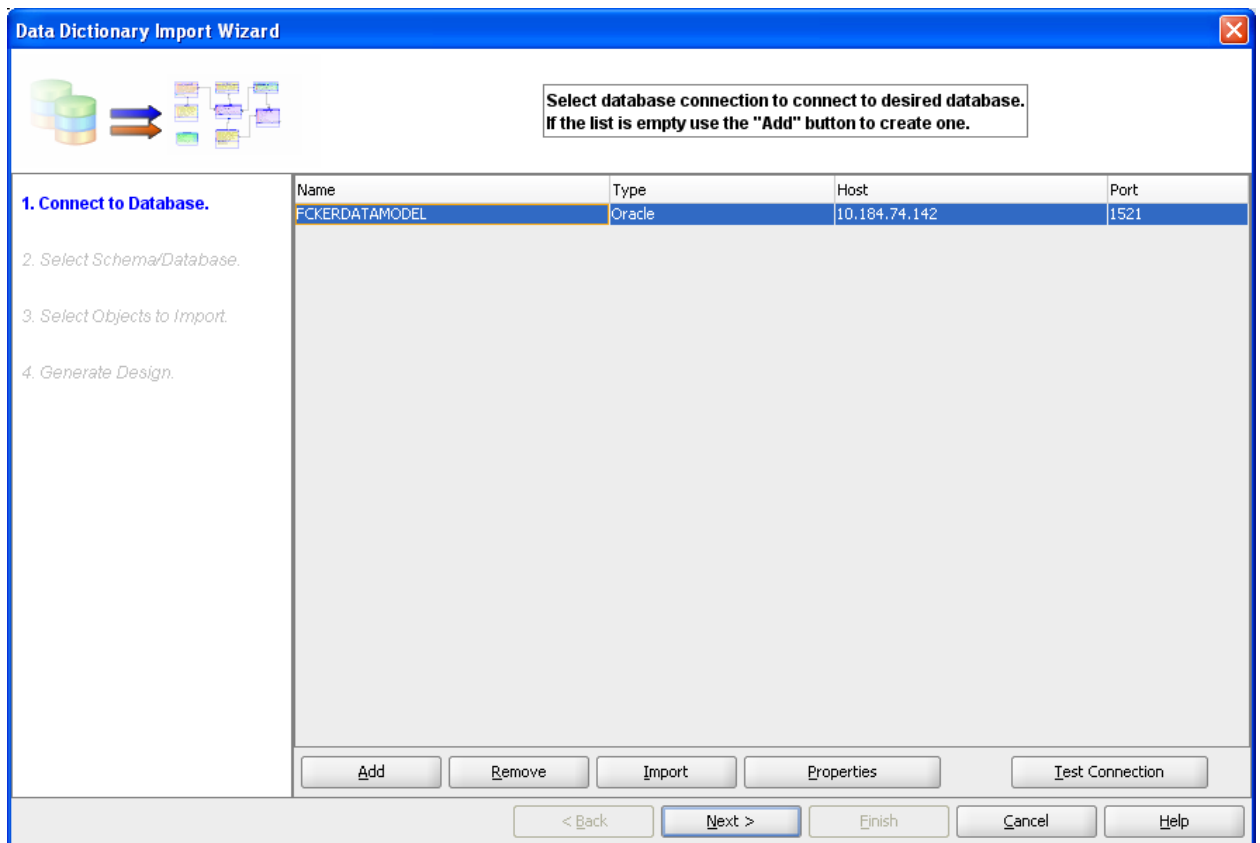
☐ Service name:

Buttons: Help, Clear, Test Connection, OK, Cancel

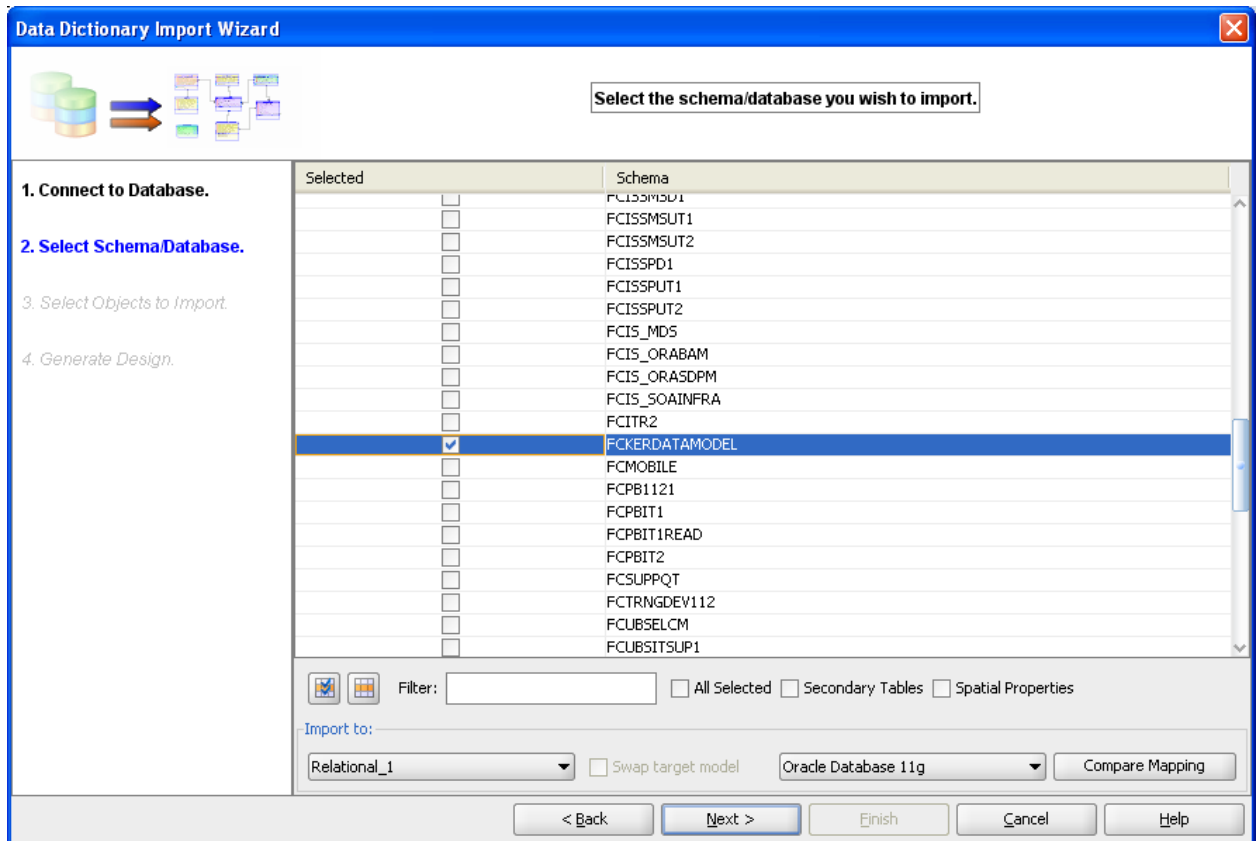
5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step 4



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
☐	FKERDATAMODEL	CVTW_UPLOAD_MONITOR
☐	FKERDATAMODEL	CYTA_RATES
☐	FKERDATAMODEL	CYTB_ACCR_POSITION
☐	FKERDATAMODEL	CYTB_CASH_POSITION
☐	FKERDATAMODEL	CYTB_CCY_PAIR
☐	FKERDATAMODEL	CYTB_CCY_POSITION
☐	FKERDATAMODEL	CYTB_DERIVED_RATES_HISTORY
☐	FKERDATAMODEL	CYTB_DUMMY
☐	FKERDATAMODEL	CYTB_DUMMY_BACKUP
☐	FKERDATAMODEL	CYTB_RATES_HISTORY
☐	FKERDATAMODEL	CYTB_RATES_REVAL
☐	FKERDATAMODEL	CYTB_RATES_UPLOAD
☐	FKERDATAMODEL	CYTM_CCY_COUNTRY_MAPPING
☒	FKERDATAMODEL	CYTM_CCY_DEFN
☐	FKERDATAMODEL	CYTM_CCY_DEFN_INTMDT
☐	FKERDATAMODEL	CYTM_CCY_DEFN_UPLOAD
☐	FKERDATAMODEL	CYTM_CCY_DENO_DETAIL
☐	FKERDATAMODEL	CYTM_CCY_DENO_MASTER
☐	FKERDATAMODEL	CYTM_CCY_PAIR_DEFN
☐	FKERDATAMODEL	CYTM_CCY_PAIR_DEFN_UPLOAD
☐	FKERDATAMODEL	CYTM_CCY_WEIGHTAGES
☐	FKERDATAMODEL	CYTM_CUST_SPREAD_DETAILS

Tables Views Users Roles Directories External Tables Contexts Clusters Sequences Synonyms
TableSpaces Temp TableSpaces Dimensions Types Packages Stored Procedures Functions Undo TableSpaces

Filter:

< Back Next > Finish Cancel Help

Data Dictionary Import Wizard

Select the objects you wish to import.

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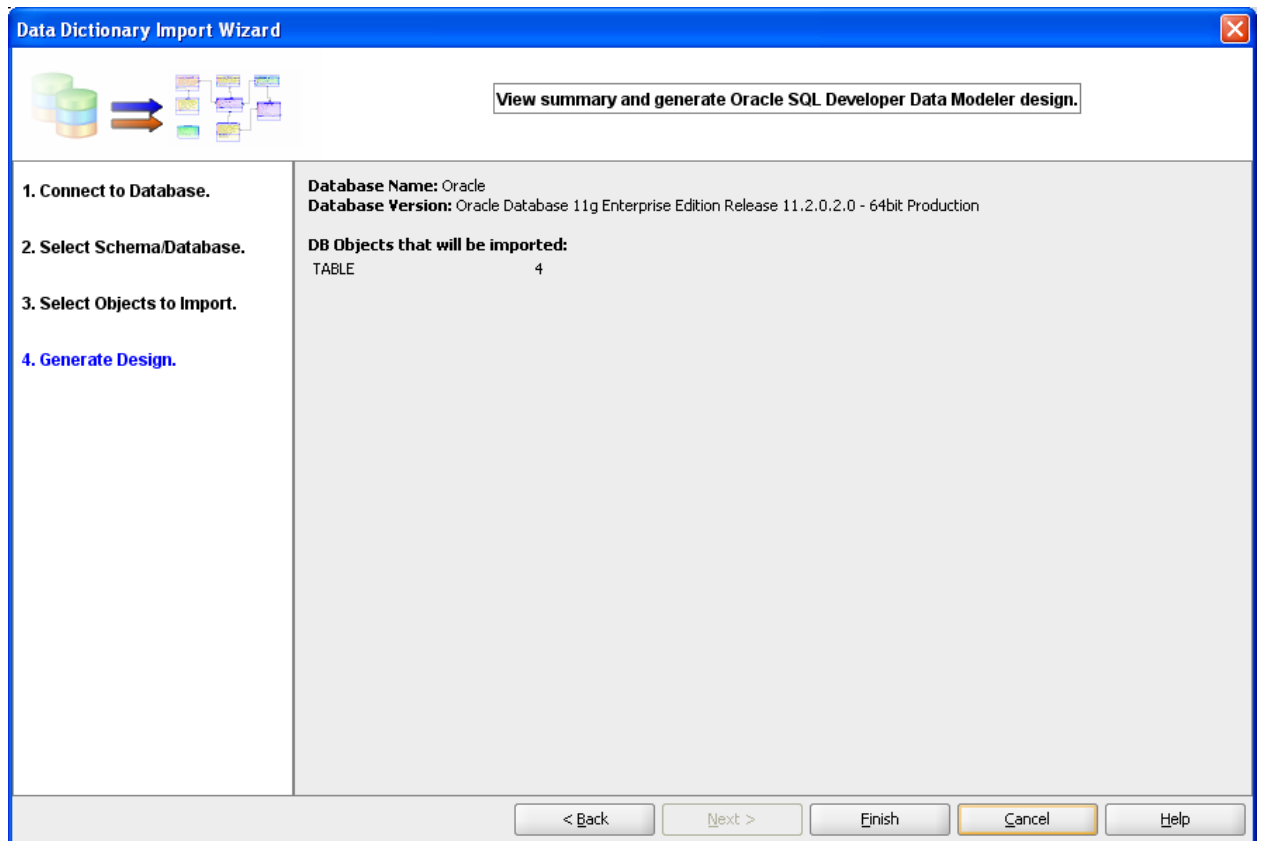
Selected	Schema	Object Name
☐	FKERDATAMODEL	STTM_CUSACC_ACLASS
☐	FKERDATAMODEL	STTM_CUSTACC_LOG
☐	FKERDATAMODEL	STTM_CUSTAC_CLOSE_MODE
☐	FKERDATAMODEL	STTM_CUSTAC_CLOSURE_PAYOUT
☐	FKERDATAMODEL	STTM_CUSTAC_CRDR_LMTS
☐	FKERDATAMODEL	STTM_CUSTAC_PRODUCTS
☐	FKERDATAMODEL	STTM_CUSTAC_TXNCODE
☒	FKERDATAMODEL	STTM_CUSTOMER
☐	FKERDATAMODEL	STTM_CUSTOMER_ALTERNATE_BRANCH
☐	FKERDATAMODEL	STTM_CUSTOMER_CAT
☐	FKERDATAMODEL	STTM_CUSTOMER_NAM_DETAIL
☐	FKERDATAMODEL	STTM_CUSTOMER_NAM_MASTER
☐	FKERDATAMODEL	STTM_CUSTOMER_PARAM
☐	FKERDATAMODEL	STTM_CUSTOMER_PRE_IMAGE
☐	FKERDATAMODEL	STTM_CUSTOMER_SRNO
☐	FKERDATAMODEL	STTM_CUSTPROFESSIONAL_PREIMAGE
☒	FKERDATAMODEL	STTM_CUST_ACCOUNT
☐	FKERDATAMODEL	STTM_CUST_ACCOUNT_BREAKUP
☐	FKERDATAMODEL	STTM_CUST_ACCOUNT_DORMANCY
☐	FKERDATAMODEL	STTM_CUST_ACCOUNT_LINKAGES
☐	FKERDATAMODEL	STTM_CUST_ACCOUNT_PRE_IMAGE
☐	FKERDATAMODEL	STTM_CUST_ACC BILL PROD

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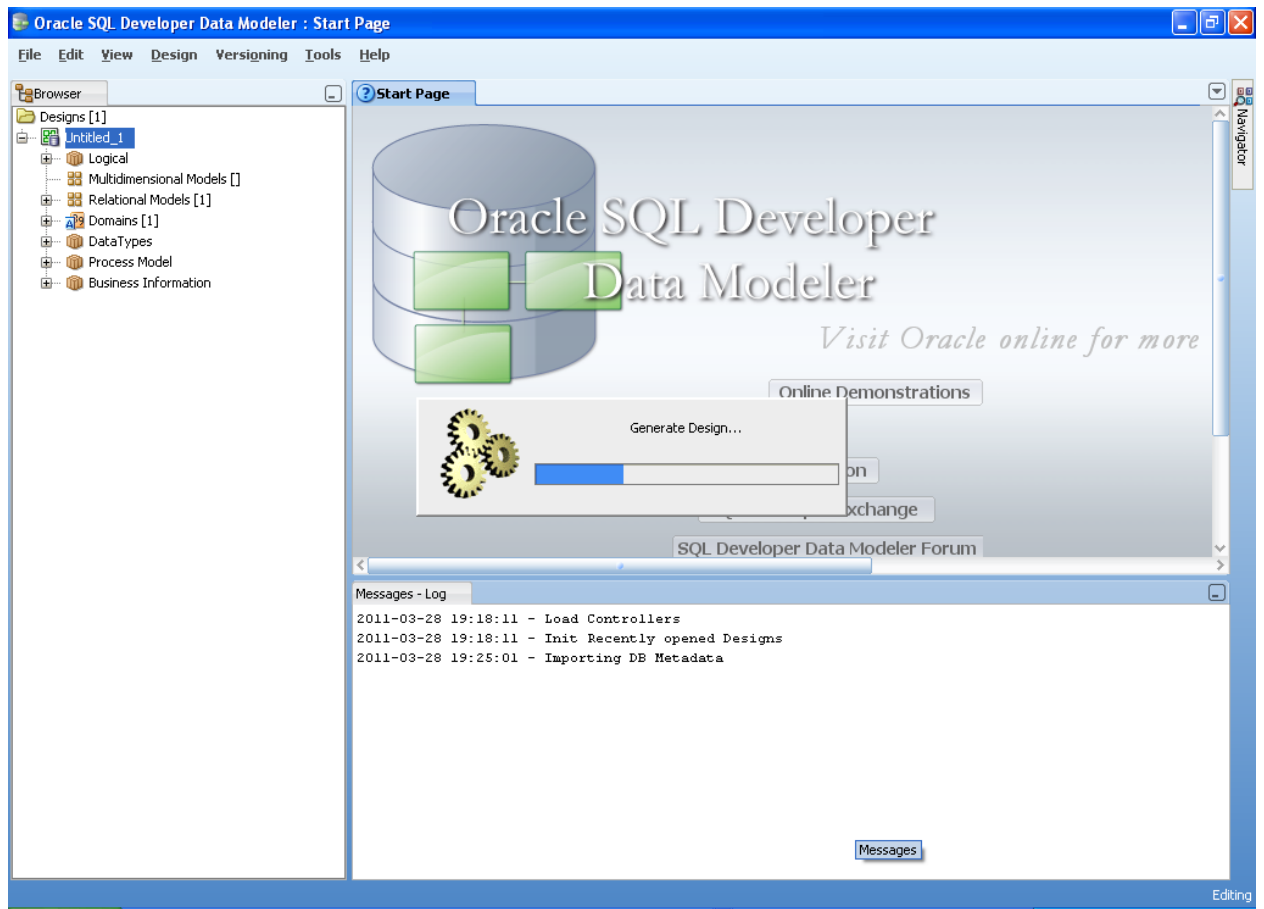
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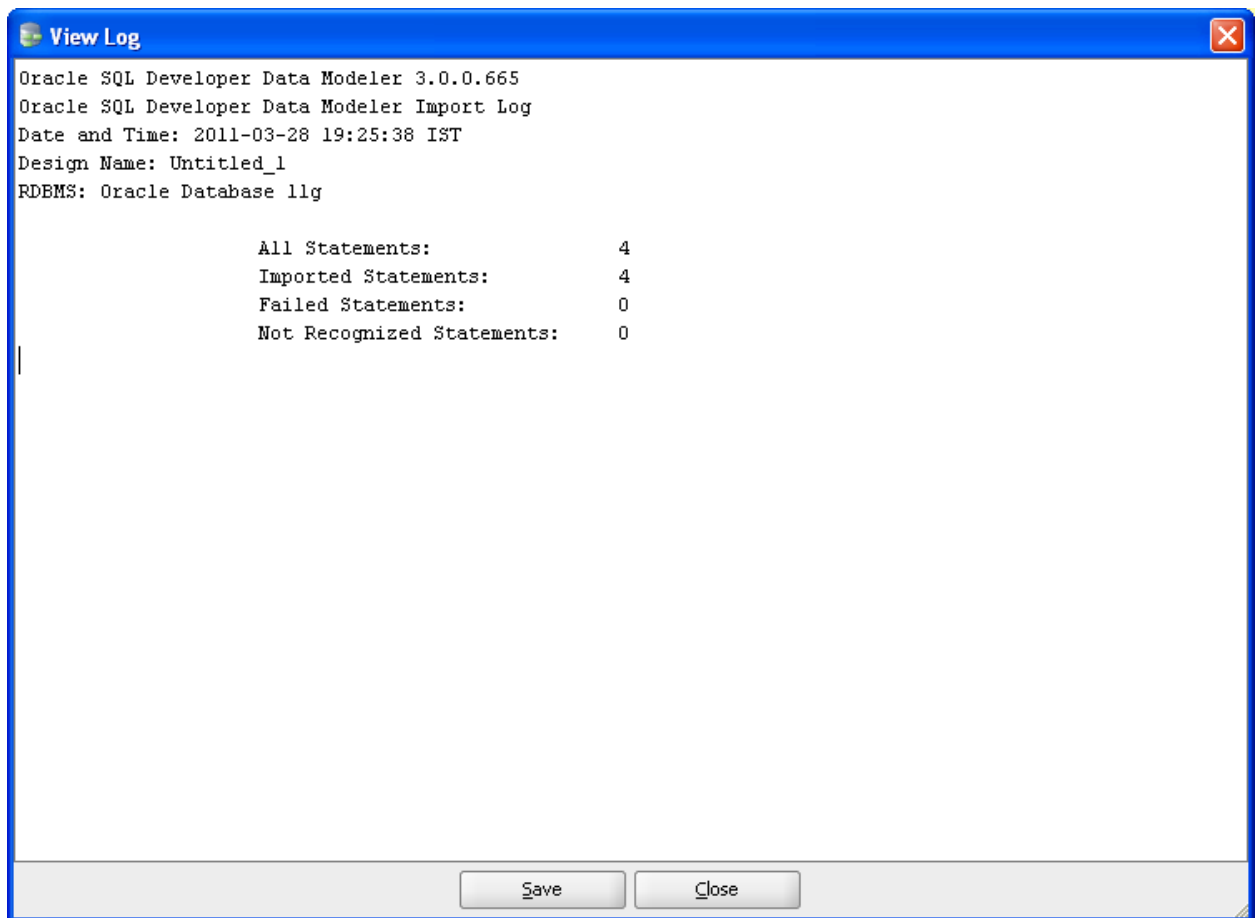
< Back Next > Finish Cancel Help

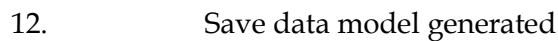
10. Click Next

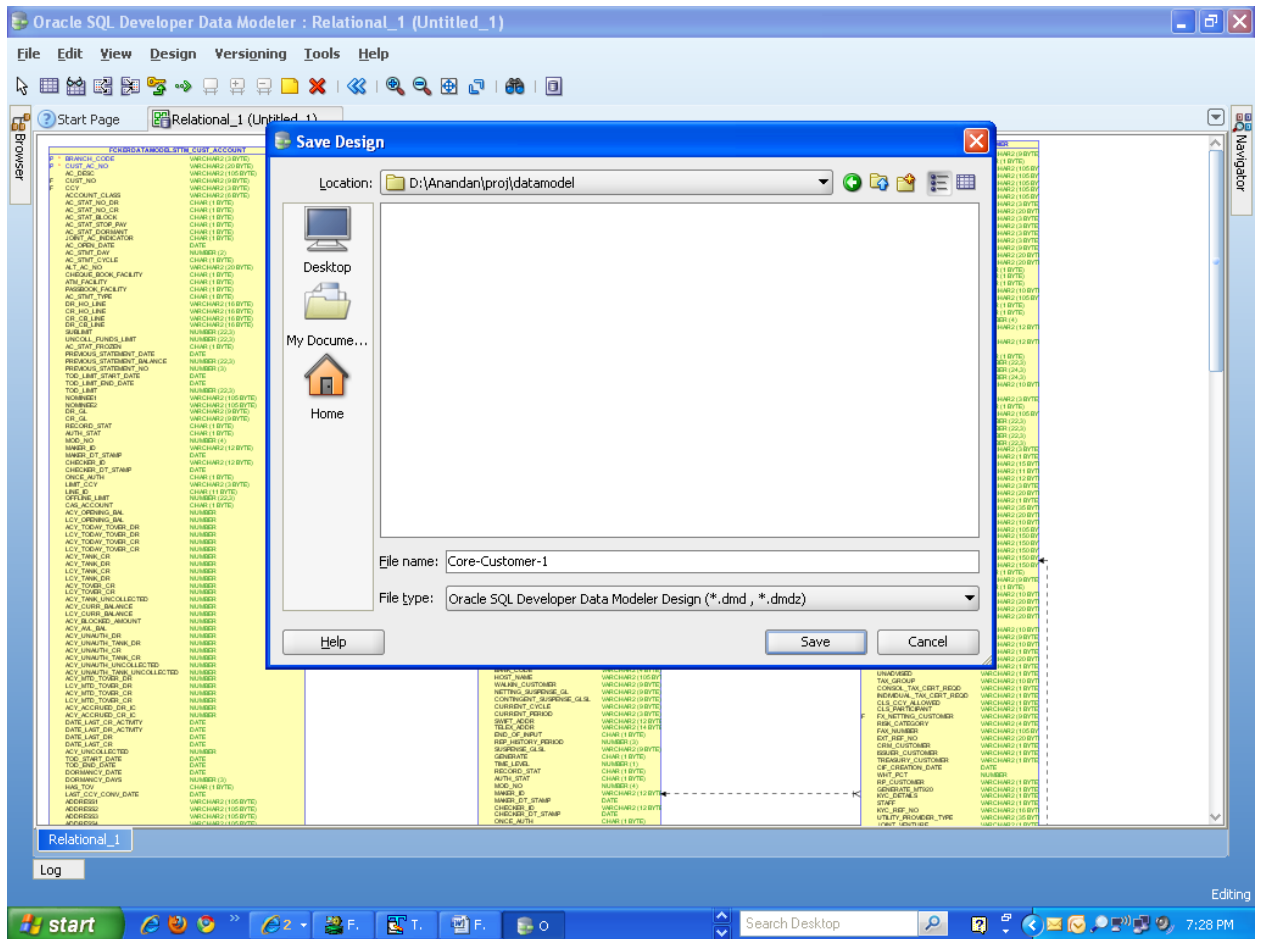


11. Click **Finish**

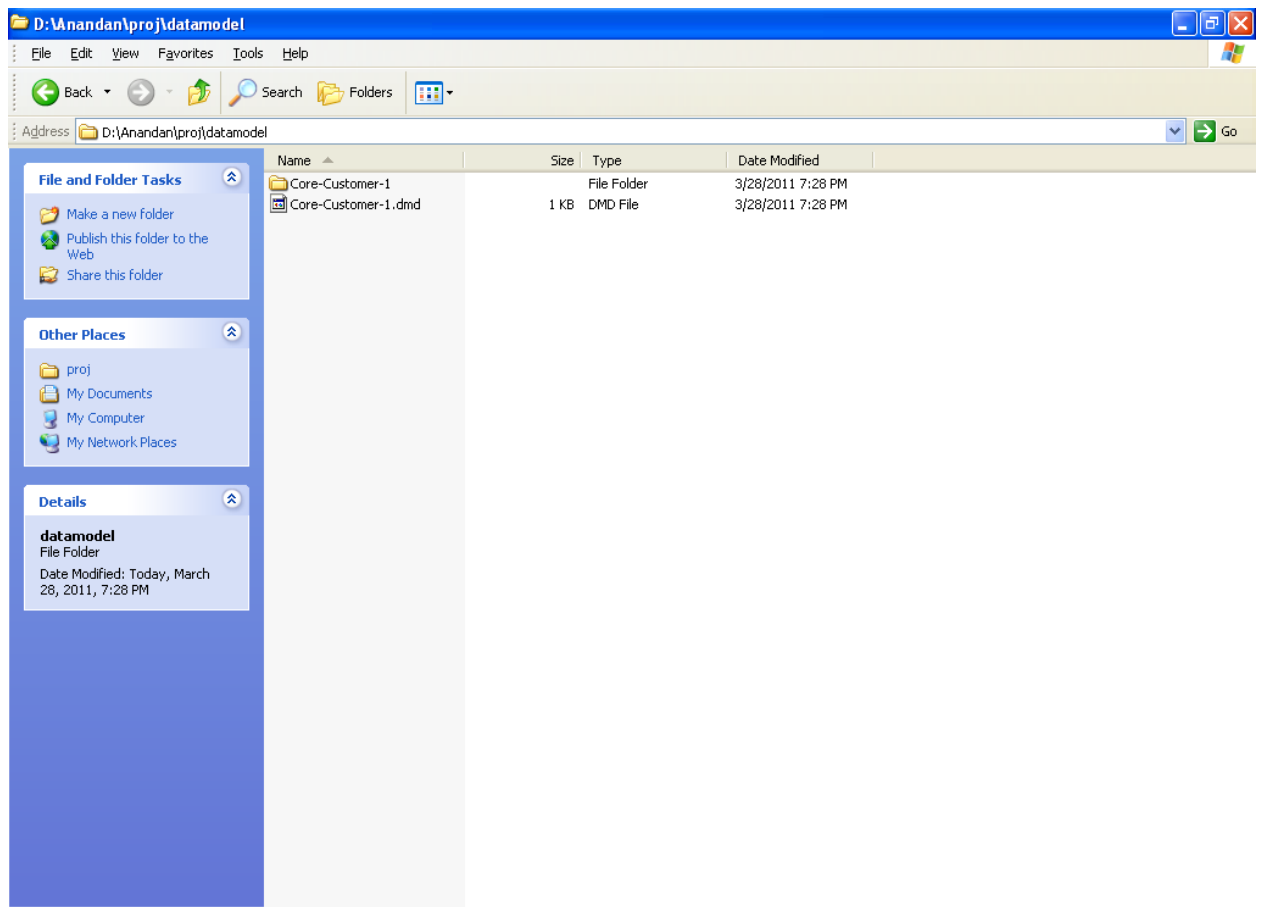














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