Data Model – Getting Started
Oracle FLEXCUBE Universal Banking
Release 14.1.0.0.0
[May] [2018]

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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.

- Identify the new Oracle Database schema for data model purpose.
- 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
- Create Foreign Keys in schema using following scripts at the schema identified.
  - FCUBS_12.2.0.0.0\MAIN\DATABASE\DATAMODEL\FKR
- 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.

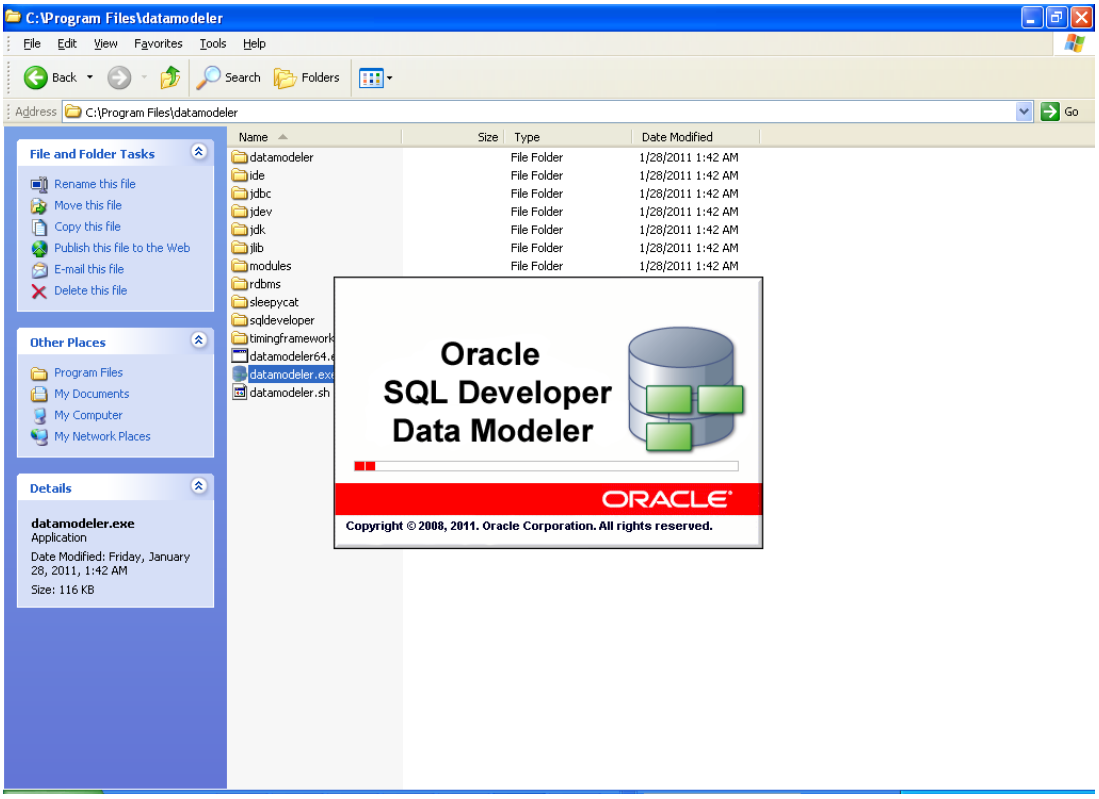
3.2 Oracle SQL Developer Data Modeler

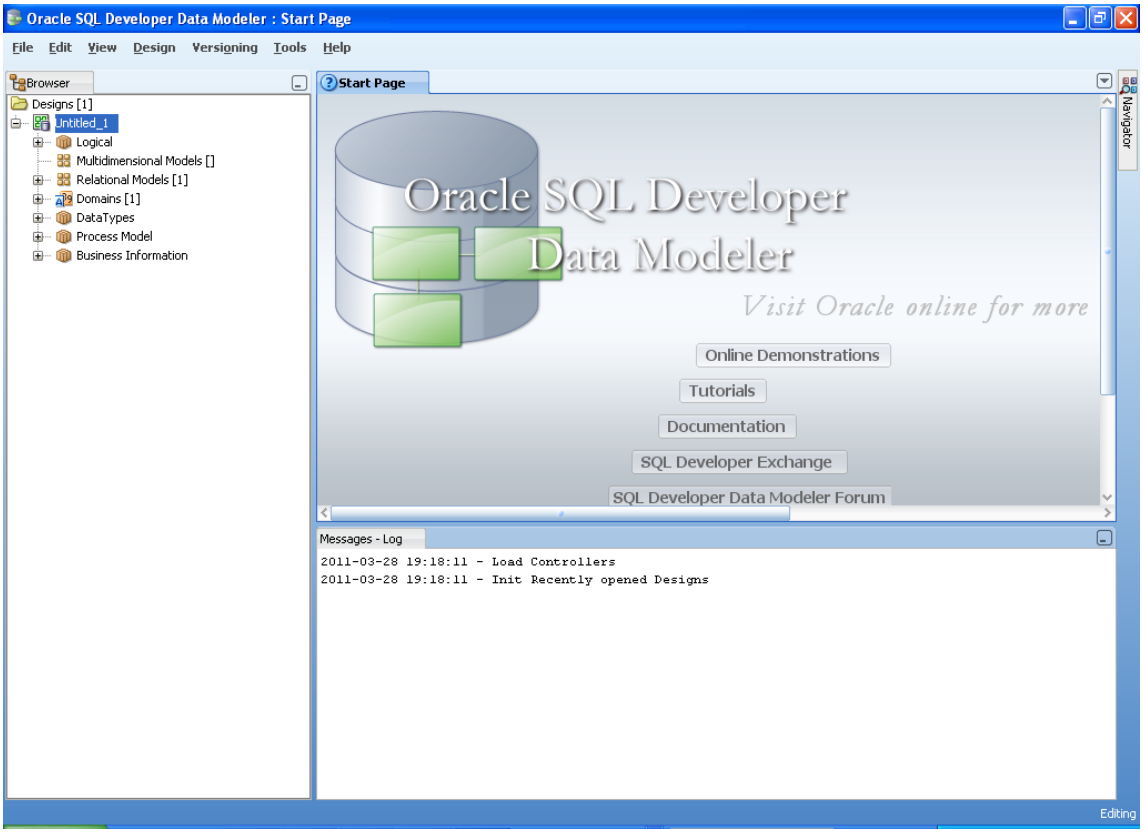
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

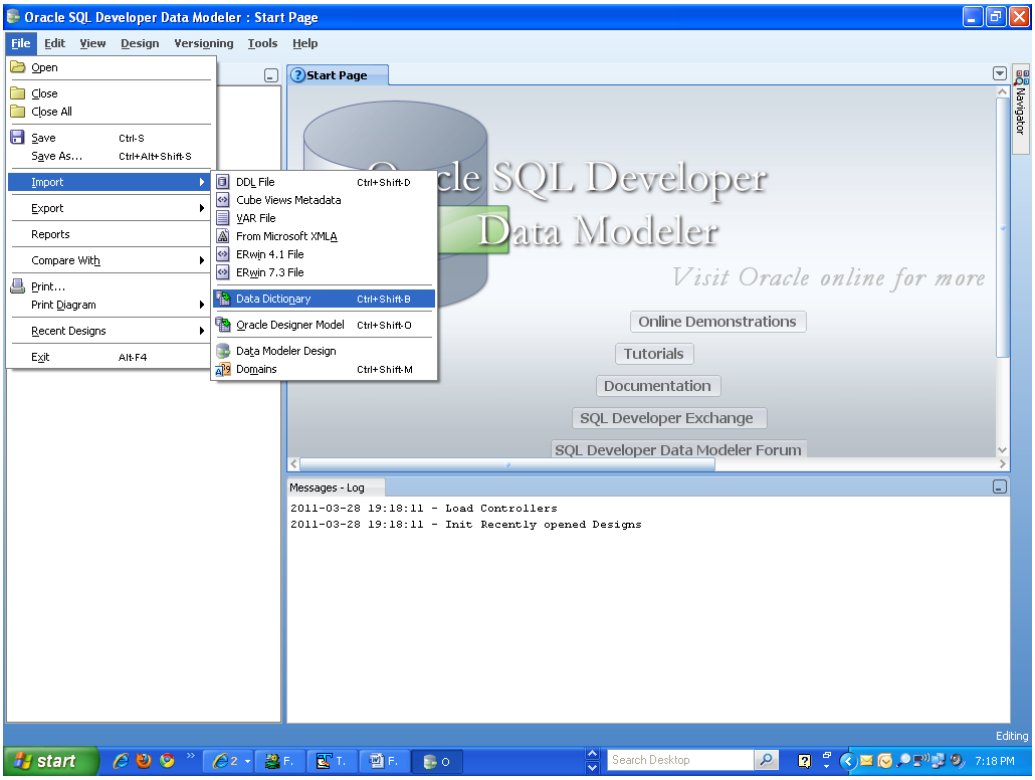
4. Creating Data Model and ER Diagram

1. Open the Oracle SQL Developer Data modeler

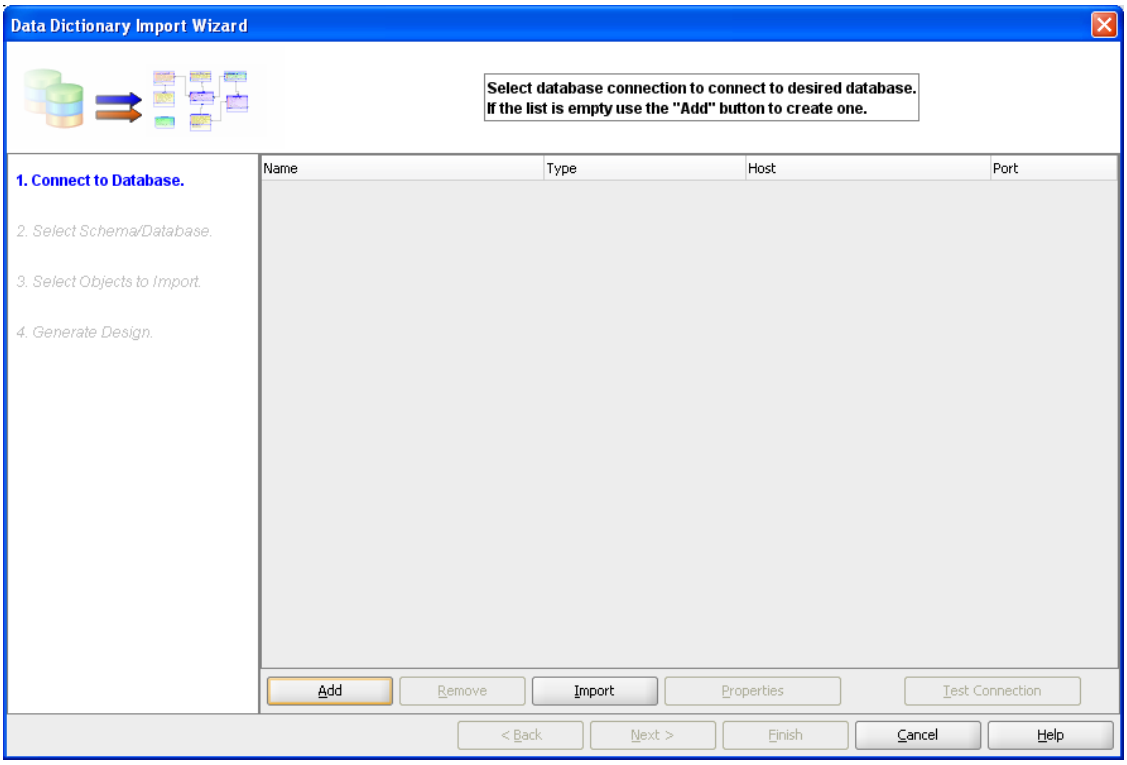




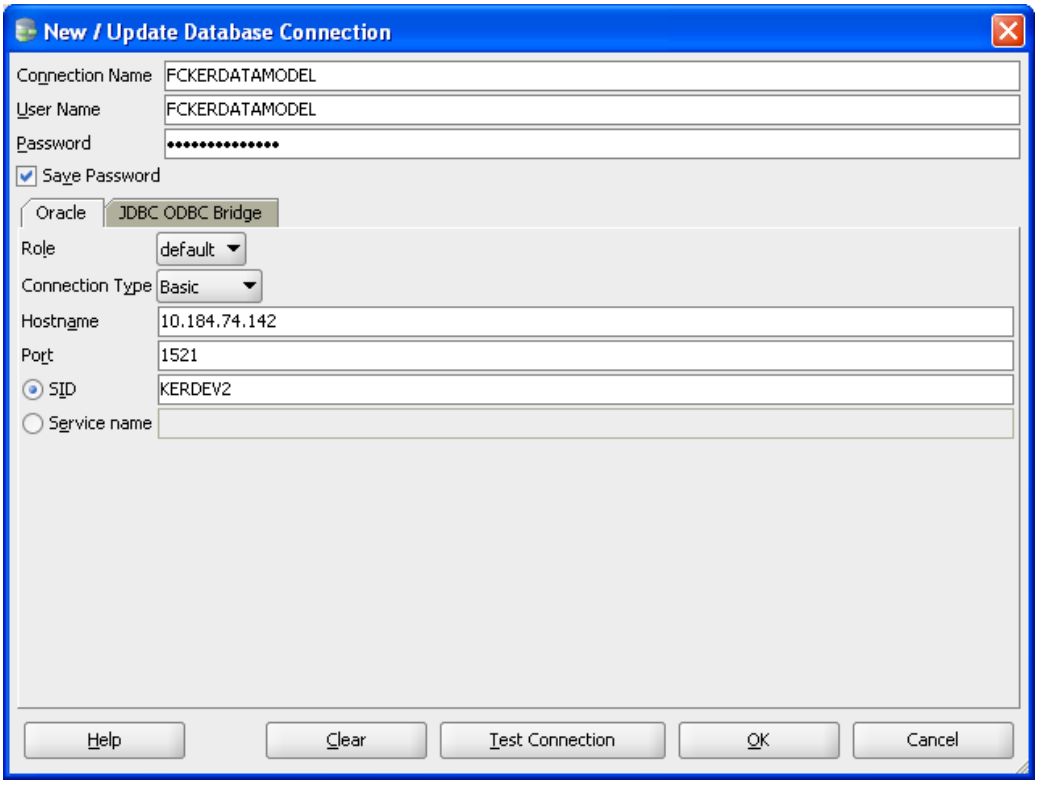
2. Click File → Import → Data dictionary



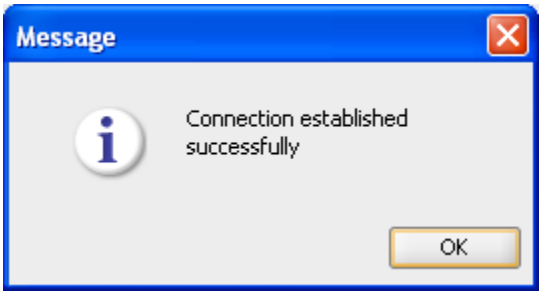
3. Click **Add**



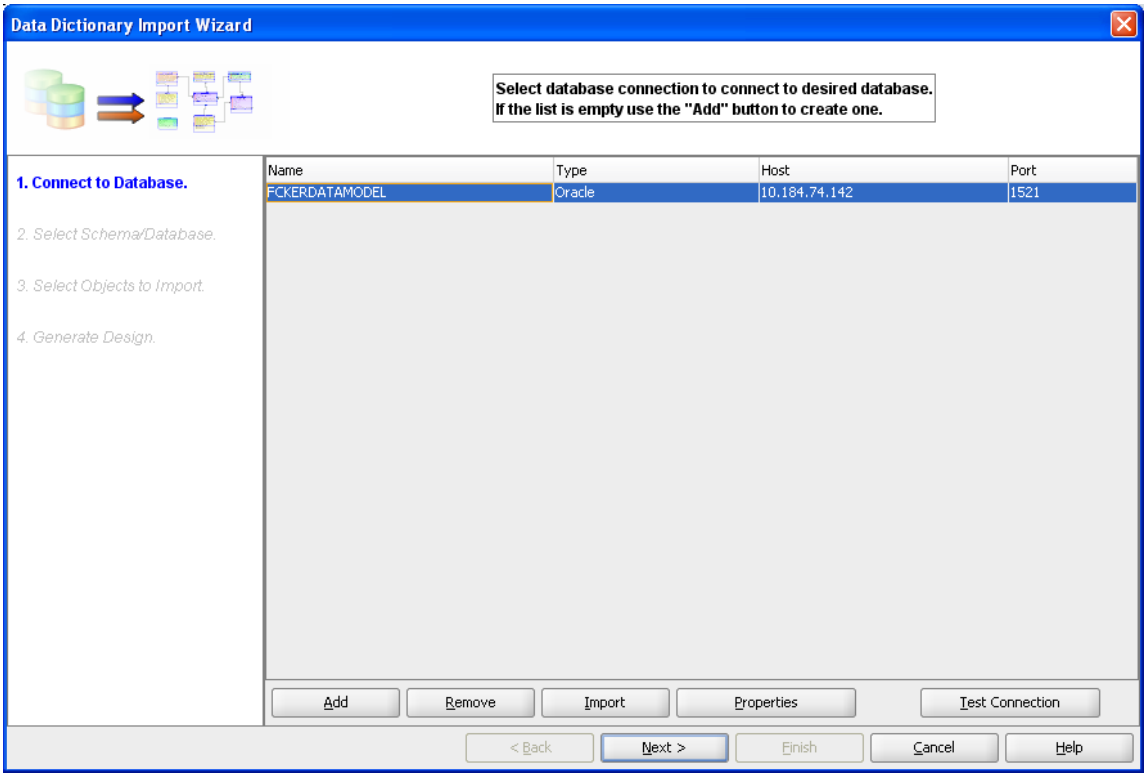
4. Provide the **database connectivity** parameters



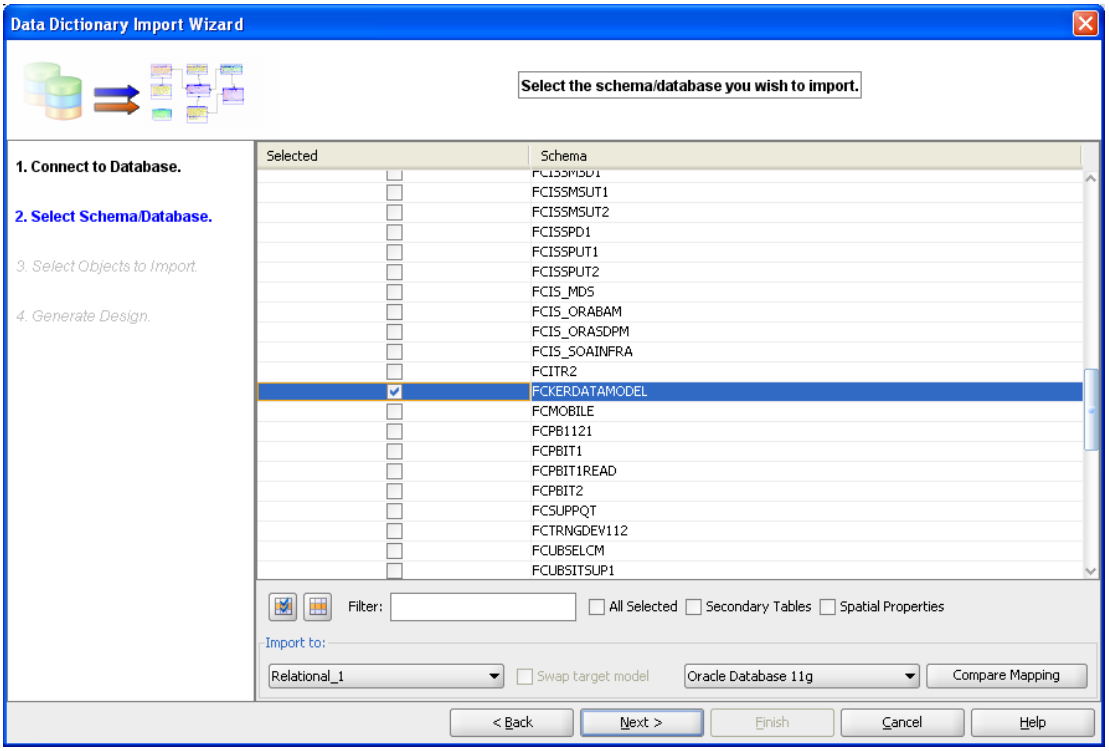
5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step 4



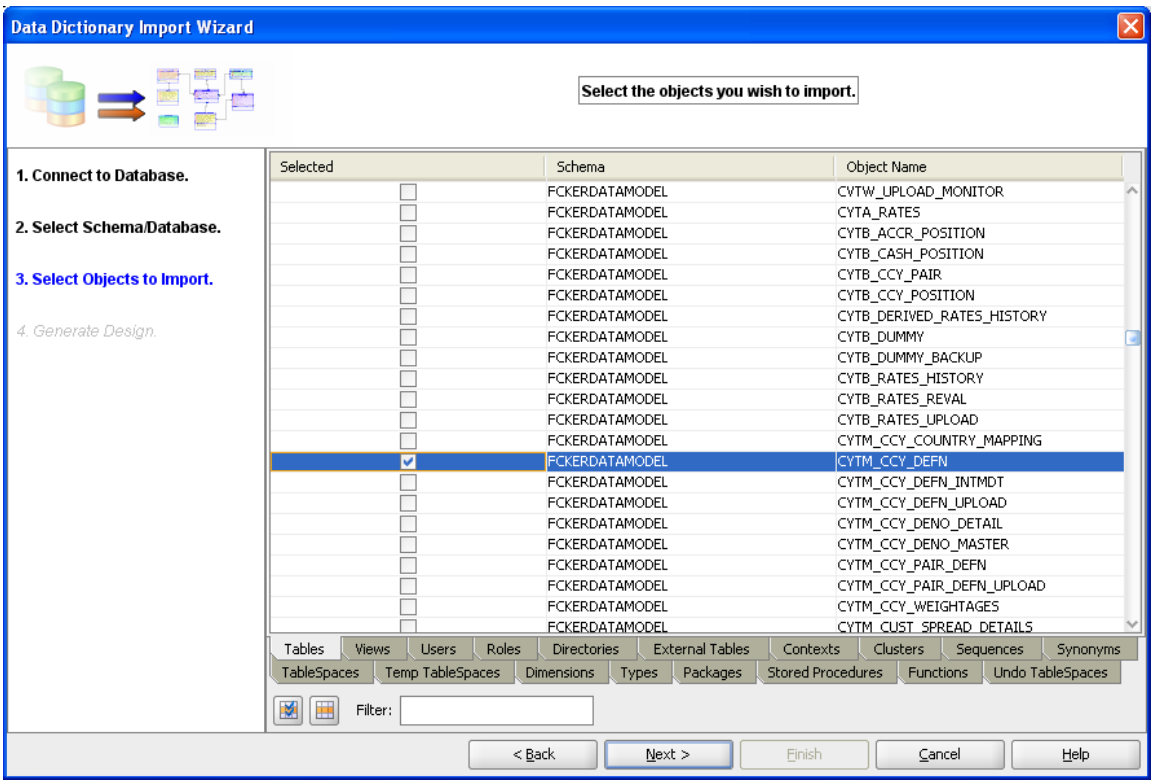
6. Click database connection row

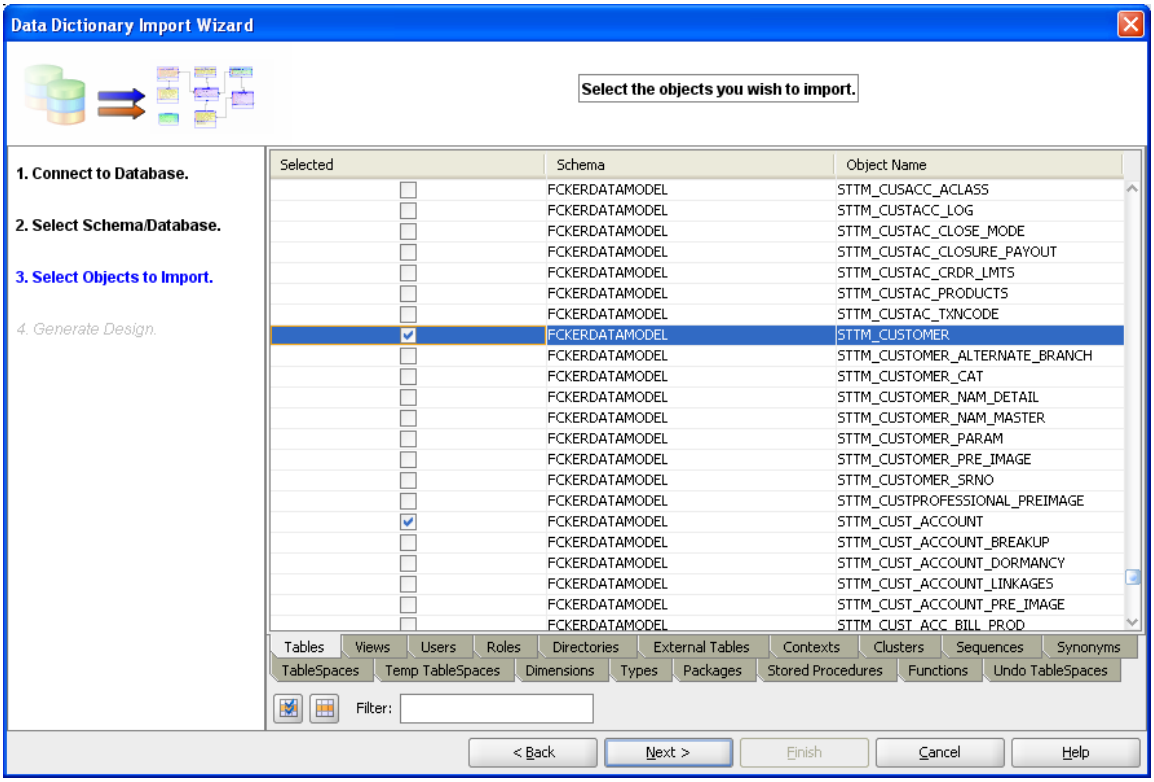


7. Select the database Schema name

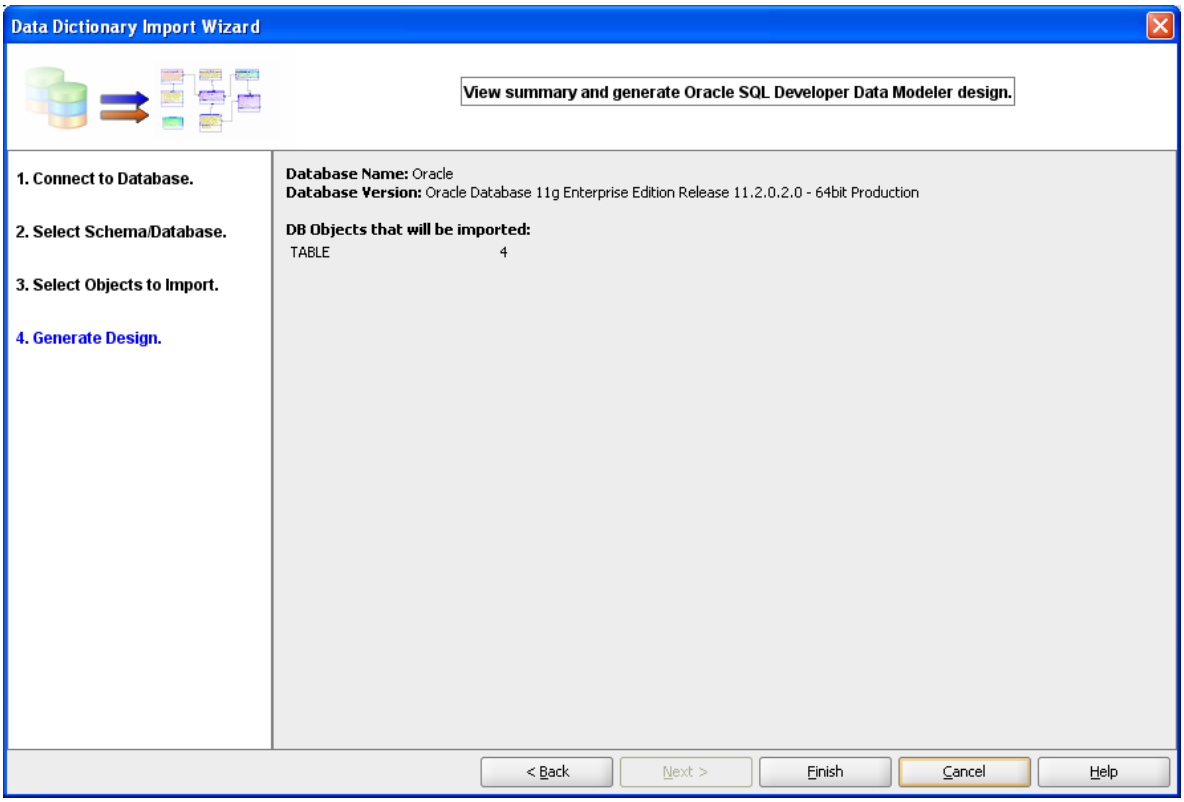


8. Select the entities(tables) that are to be used in ER diagram

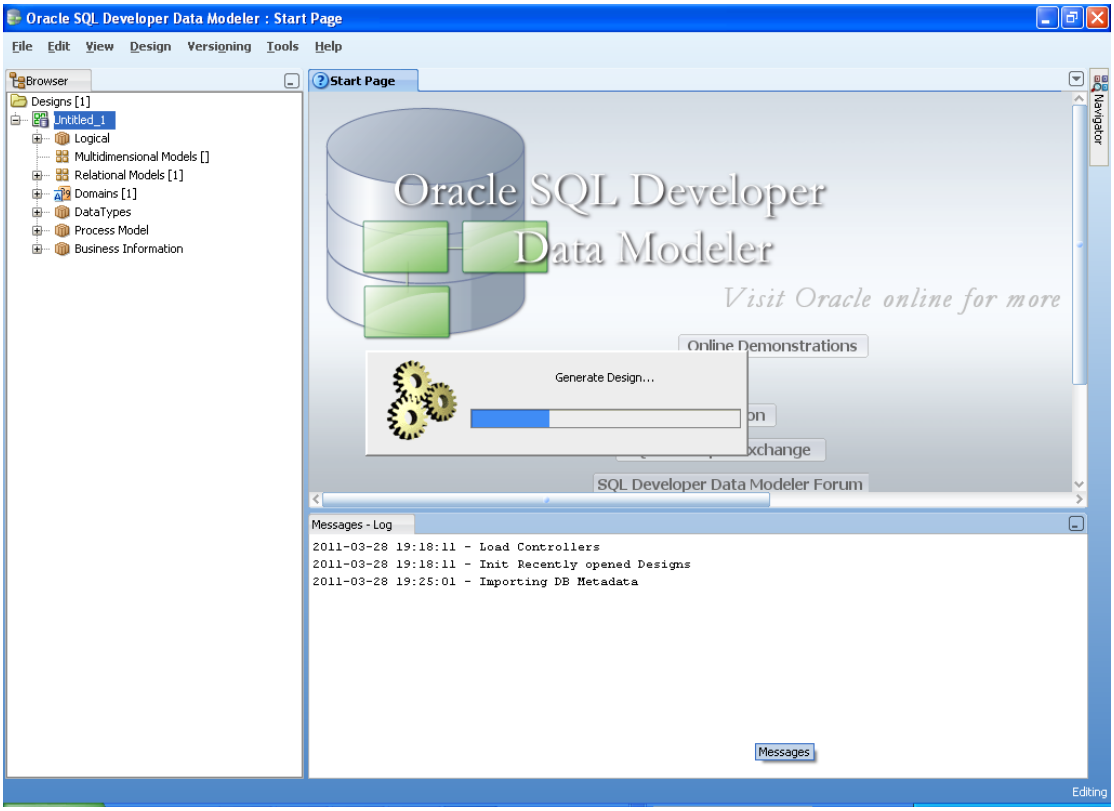


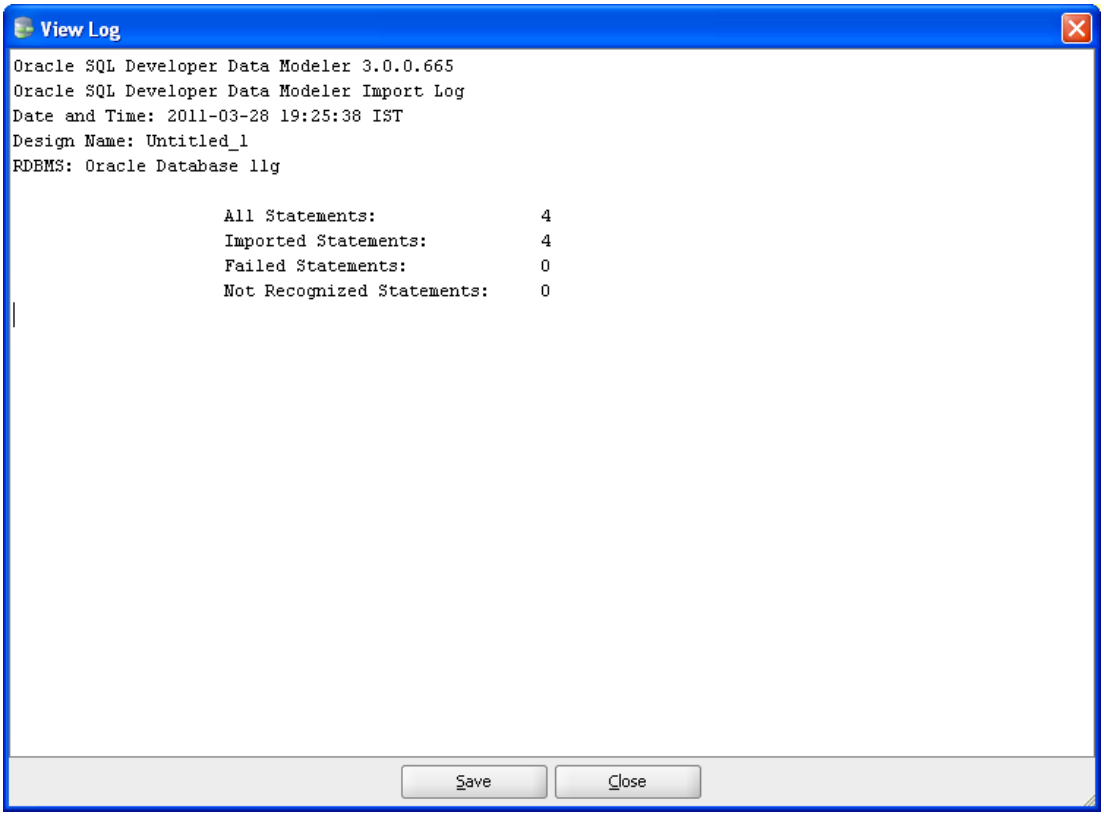

Data Dictionary Import Wizard
Select the objects you wish to import.
1. Connect to Database.
2. Select Schema/Database.
3. Select Objects to Import.
4. Generate Design.
Selected
Schema
Object Name
FCKERDATAMODEL STTM_CUSACC_ACLASS
FCKERDATAMODEL STTM_CUSTACC_LOG
FCKERDATAMODEL STTM_CUSTAC_CLOSE_MODE
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
FCKERDATAMODEL STTM_CUSTOMER_NAM_DETAIL
FCKERDATAMODEL STTM_CUSTOMER_NAM_MASTER
FCKERDATAMODEL STTM_CUSTOMER_PARAM
FCKERDATAMODEL STTM_CUSTOMER_PRE_IMAGE
FCKERDATAMODEL STTM_CUSTOMER_SRNO
FCKERDATAMODEL STTM_CUSTPROFESSIONAL_PREIMAGE
FCKERDATAMODEL STTM_CUST_ACCOUNT
FCKERDATAMODEL STTM_CUST_ACCOUNT_BREAKUP
FCKERDATAMODEL STTM_CUST_ACCOUNT_DORMANCY
FCKERDATAMODEL STTM_CUST_ACCOUNT_LINKAGES
FCKERDATAMODEL STTM_CUST_ACCOUNT_PRE_IMAGE
FCKERDATAMODEL STTM_CUST_ACC_BILL_PROD
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

9. Click **Next**


Data Dictionary Import Wizard
View summary and generate Oracle SQL Developer Data Modeler design.
1. Connect to Database.
2. Select Schema/Database.
3. Select Objects to Import.
4. Generate Design.
Database Name: Oracle
Database Version: Oracle Database 11g Enterprise Edition Release 11.2.0.2.0 - 64bit Production
DB Objects that will be imported:
TABLE 4
< Back
Next >
Finish
Cancel
Help

10. Click **Finish**




View Log
Oracle SQL Developer Data Modeler 3.0.0.665
Oracle SQL Developer Data Modeler Import Log
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RDBMS: Oracle Database 11g
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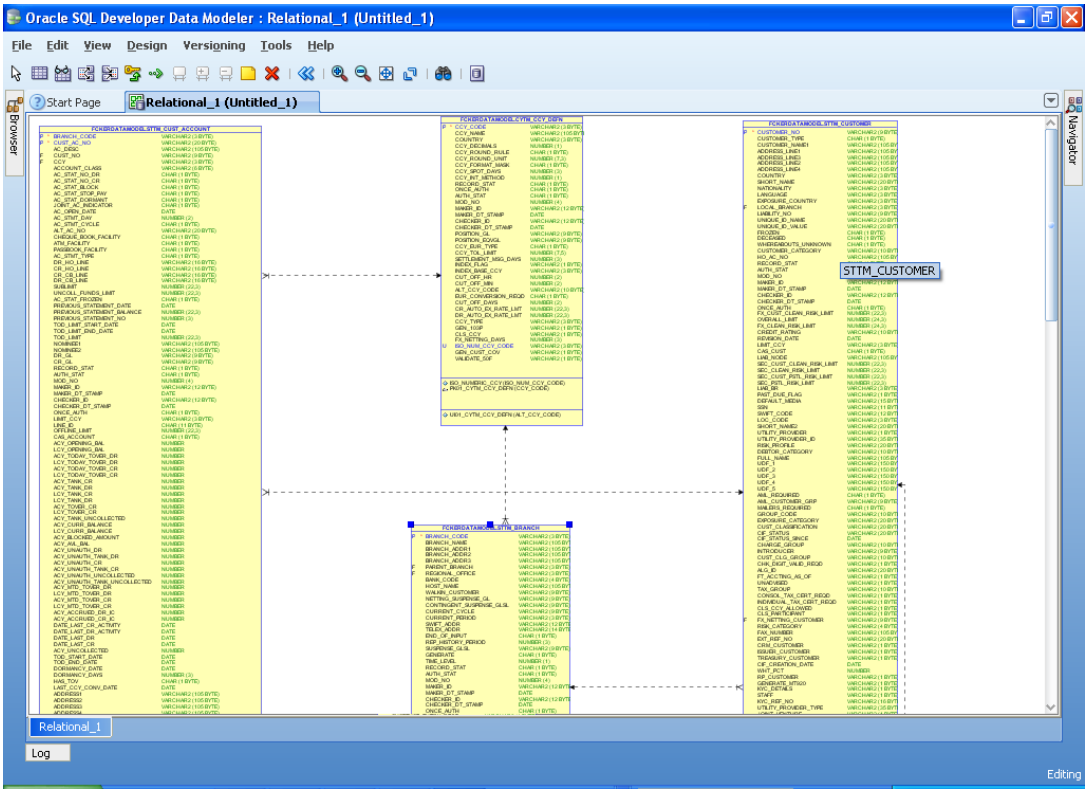
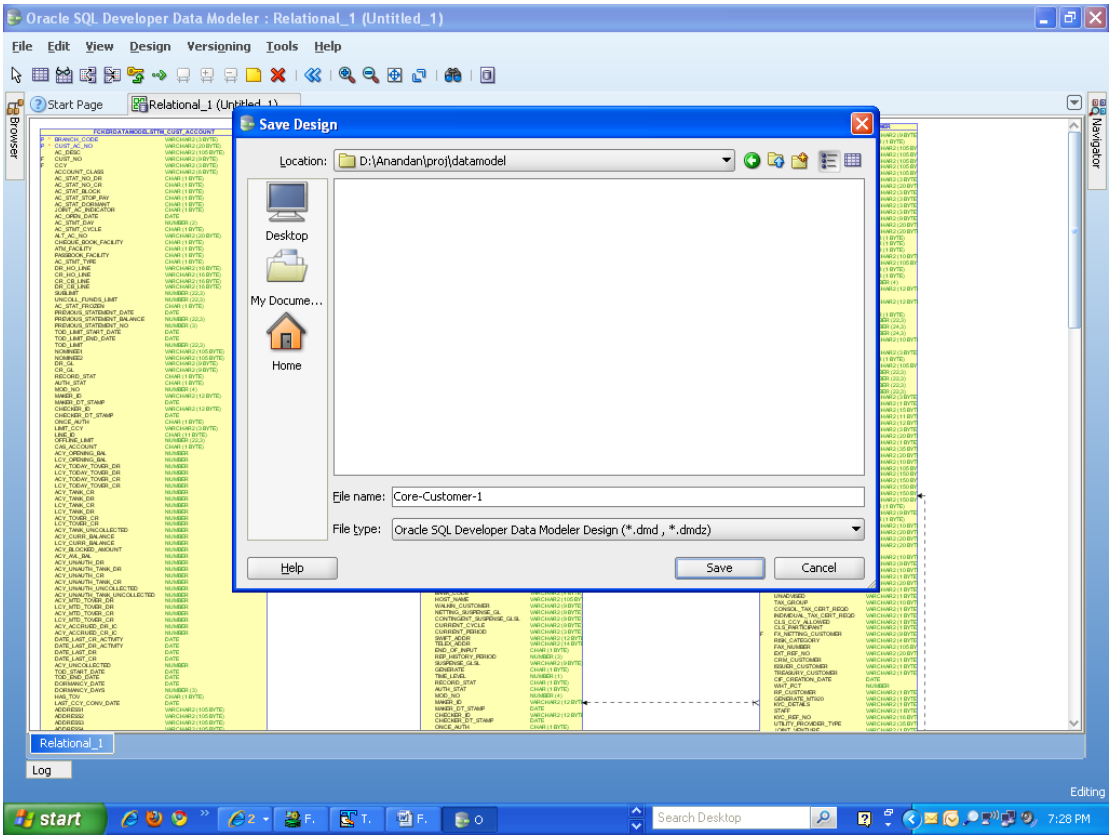
Imported Statements: 4
Failed Statements: 0
Not Recognized Statements: 0
Save
Close



11. Save data model generated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Start Page
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Browser
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Home
File name:
Core-Customer-1
File type:
Oracle SQL Developer Data Modeler Design (*.dmd , *.dmdz)
Help
Save
Cancel
Relational_1
Log
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start
Search Desktop
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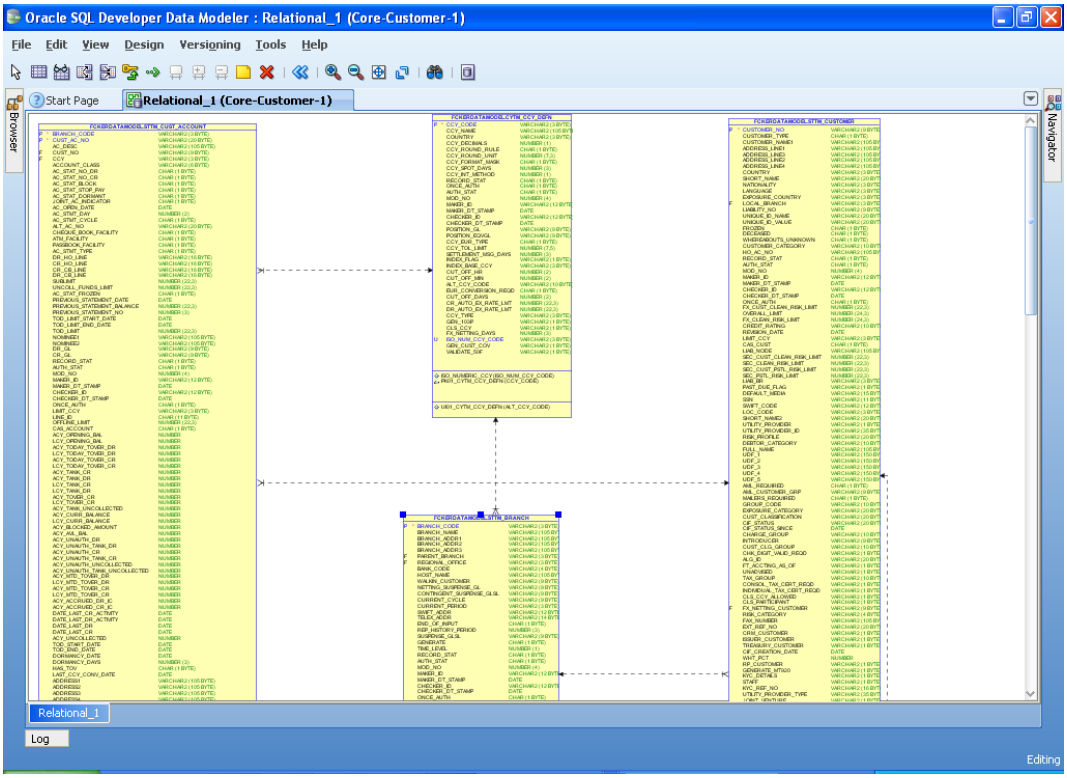
Oracle SQL Developer Data Modeler : Relational_1 (Core-Customer-1)
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Relational_1
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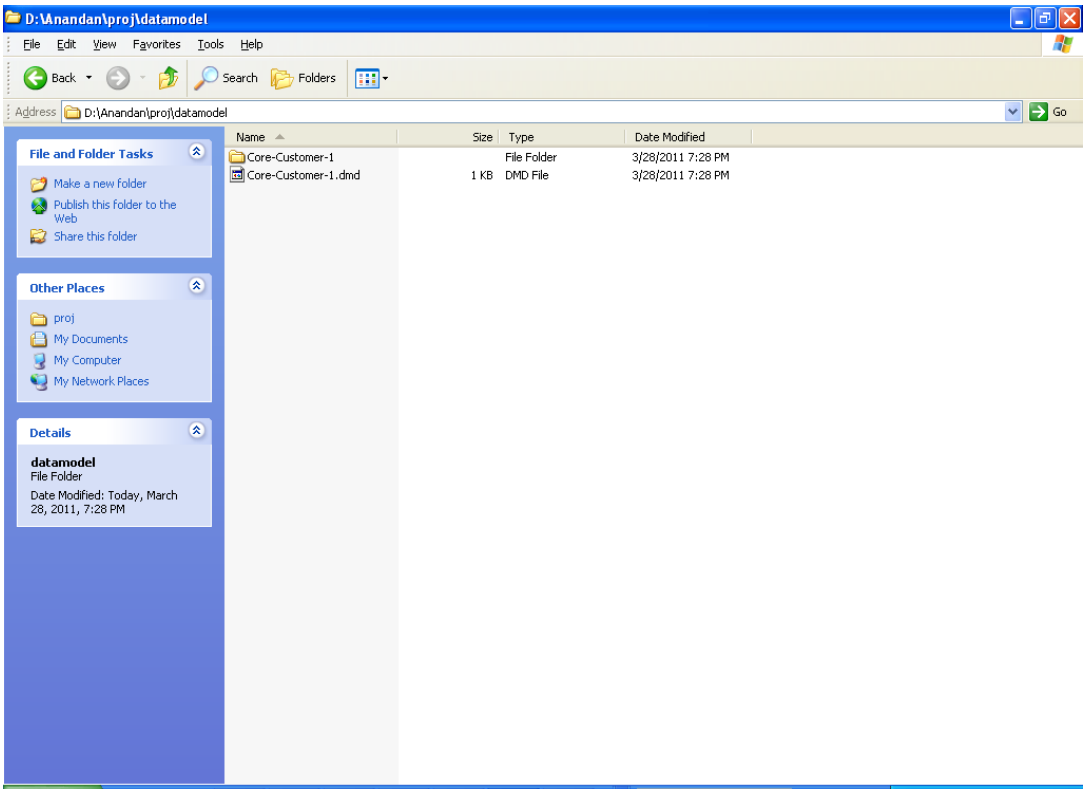
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File Edit View Favorites Tools Help
Back
Search
Folders
Address D:\Anandan\proj\datamodel
Go
File and Folder Tasks
Make a new folder
Publish this folder to the Web
Share this folder
Other Places
proj
My Documents
My Computer
My Network Places
Details
datamodel
File Folder
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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

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