

Data Model – Getting Started

Oracle Banking Treasury Management

Release 14.5.2.0.0

[August] [2021]



Contents

1. PREFACE	1
1.1 AUDIENCE	1
2. INTRODUCTION	2
2.1 WHAT IS IN THIS GUIDE.....	2
2.2 WHY REVERSE ENGINEERING.....	2
3. OBTR DATA MODEL – GETTING STARTED	3
3.1 OBTR DATA MODEL SCHEMA	3
3.2 ORACLE SQL DEVELOPER DATA MODELER.....	3
4. CREATING DATA MODEL AND ER DIAGRAM	4

1. Preface

Oracle Banking Treasury Management 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 OBTR Application developers who need to understand the OBTR data model.

2. Introduction

2.1 What is in this guide

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

2.2 Why reverse engineering

As the complete ER diagram of OBTR application would be huge, the business application developers need to re-engineer with required filtered portion of OBTR 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 OBTR Database schema and generate the ER diagram. This ER diagram further can be used to understand the OBTR and can be foundation for further business development requirement.

3. OBTR Data Model – Getting Started

3.1 OBTR Data model schema

1. Follow the below steps to get the Oracle OBTR Data model schema.
 - Identify the new Oracle Database schema for data model purpose.
 - Create the OBTR database tables by running all the DDL scripts in below folder at the schema identified.
 - OBTR_14.5.2.0.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE
 - OBTR_14.5.2.0.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE
 - Create Foreign Keys in schema using following scripts at the schema identified.
 - OBTR_14.5.2.0.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\FKR
 - Create column comments using below scripts at the schema identified.
 - OBTR_14.5.2.0.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\CMT

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

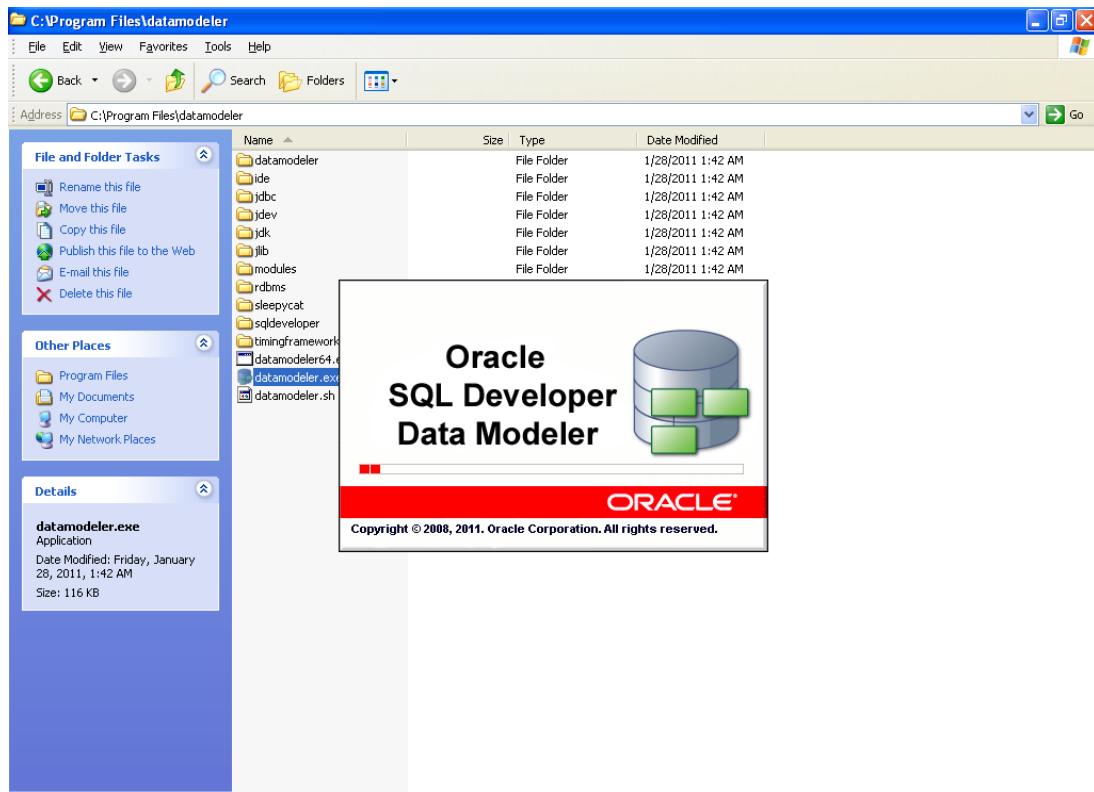
3.2 Oracle SQL Developer Data Modeler

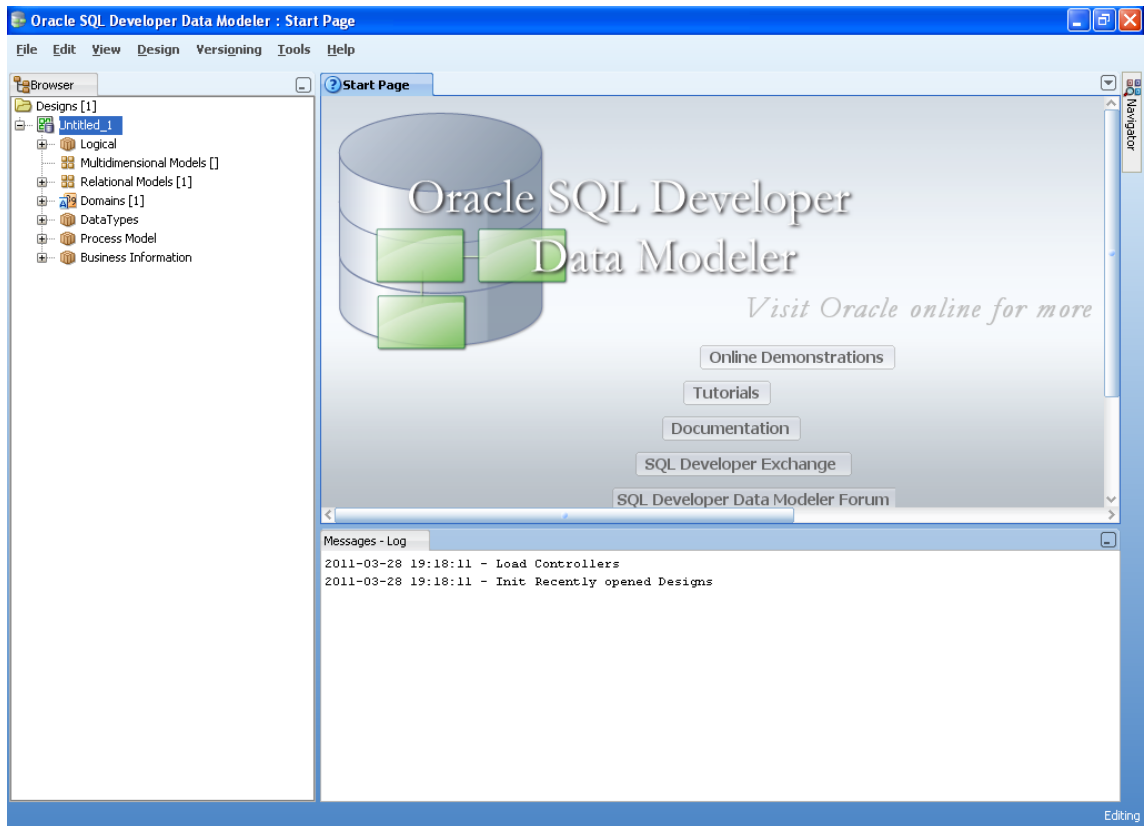
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

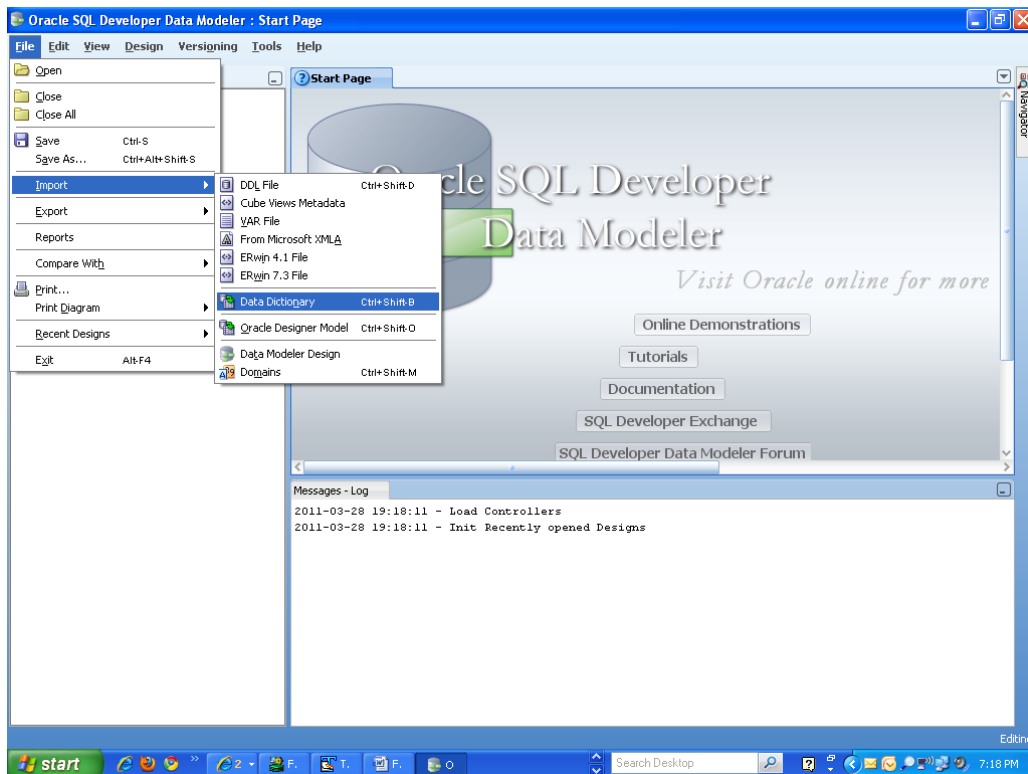
4. Creating Data Model and ER Diagram

1. Open the Oracle SQL Developer Data modeler

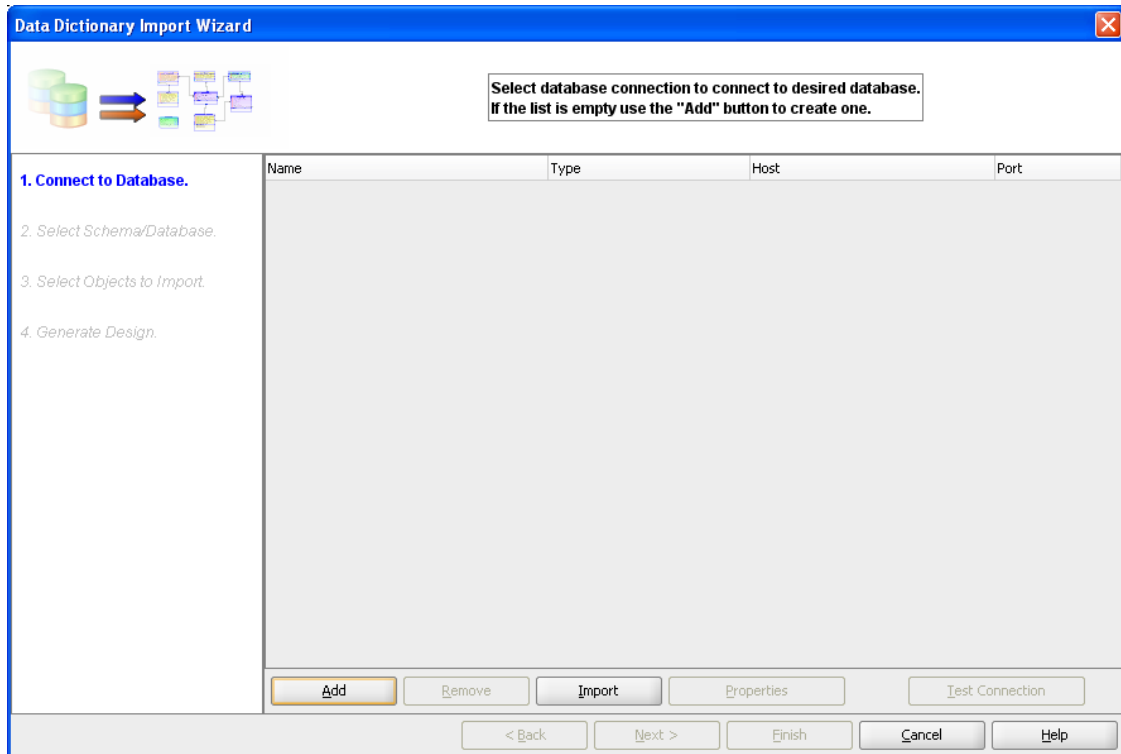




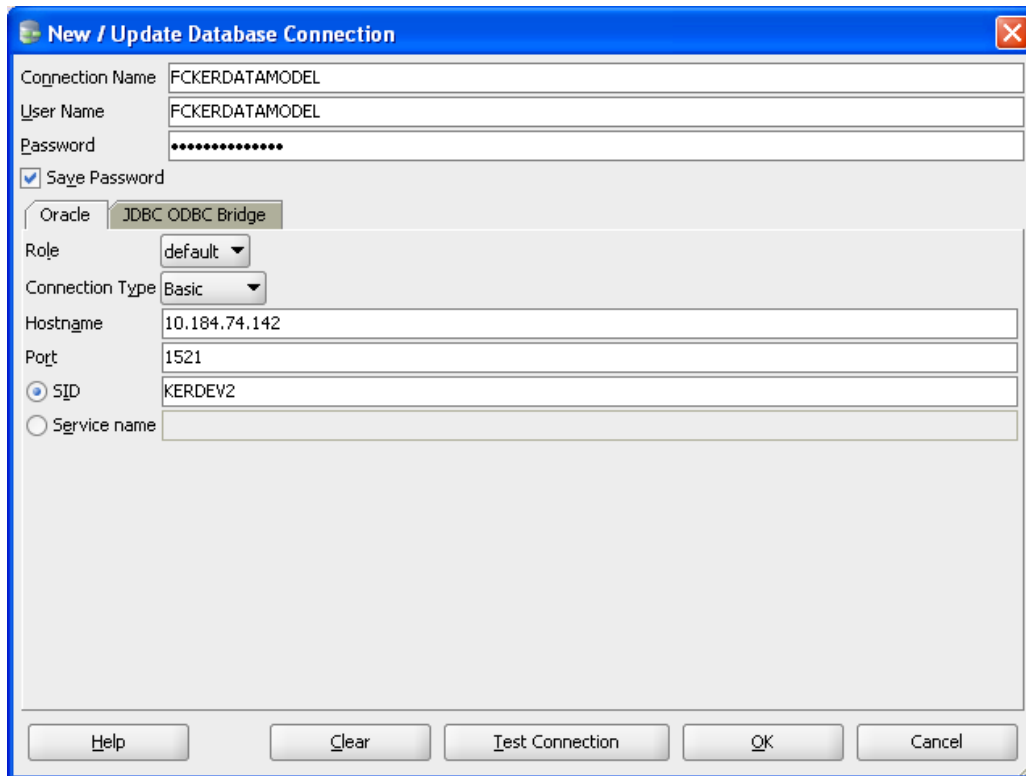
2. Click File → Import → Data dictionary



3. Click **Add**



4. Provide the **database connectivity** parameters



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

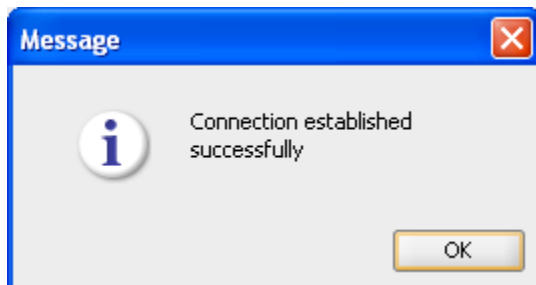
Port: 1521

☒ SID: KERDEV2

☐ Service name:

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

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
FCCKERDATAMODEL	Oracle	10.184.74.142	1521

Add Remove Import Properties Test Connection

< Back Next > Finish Cancel Help

7. Select the database Schema name

Data Dictionary Import Wizard

Select the schema/database you wish to import.

1. Connect to Database.

2. Select Schema/Database.

3. Select Objects to Import.

4. Generate Design.

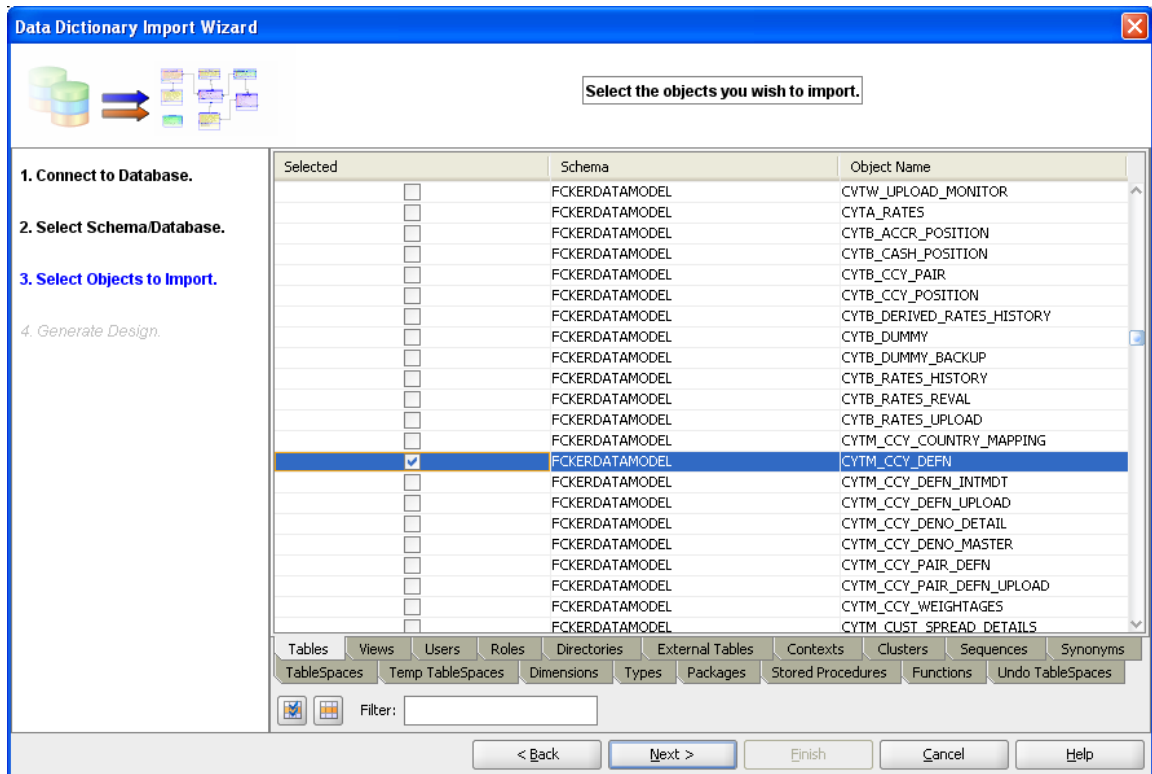
Selected	Schema
☐	FCISSMOUT1
☐	FCISSMSUT1
☐	FCISSMSUT2
☐	FCISSPD1
☐	FCISSPUT1
☐	FCISSPUT2
☐	FCIS_MDS
☐	FCIS_ORABAM
☐	FCIS_ORASDPM
☐	FCIS_SOAINFRA
☐	FCITR2
☒	FCCKERDATAMODEL
☐	FCMOBILE
☐	FCPB1121
☐	FCPB1T1
☐	FCPB1T1READ
☐	FCPB1T2
☐	FCSUPPQT
☐	FCTRNGDEV112
☐	FCUBSELCM
☐	FCUBSITSUP1

Filter: ☐ All Selected ☐ Secondary Tables ☐ Spatial Properties

Import to: Relational_1 ☐ Swap target model Oracle Database 11g Compare Mapping

< Back Next > Finish Cancel Help

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.

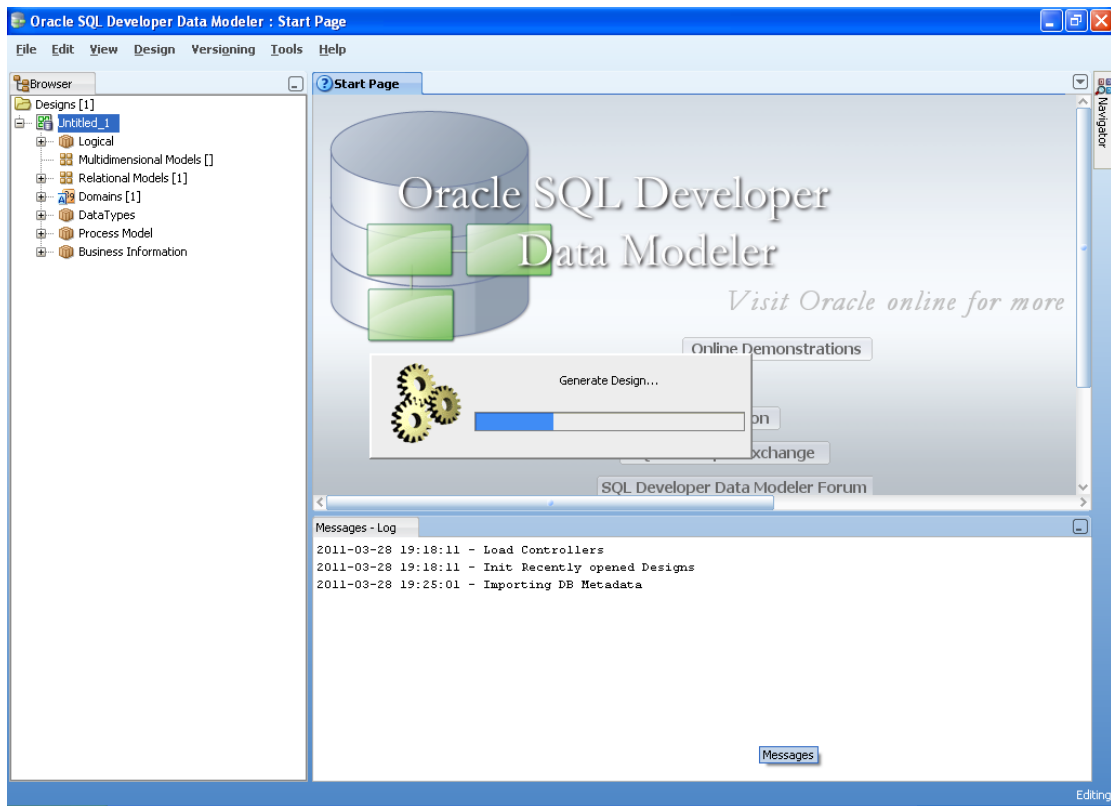
1. Connect to Database.
2. Select Schema/Database.
3. Select Objects to Import.
4. Generate Design.

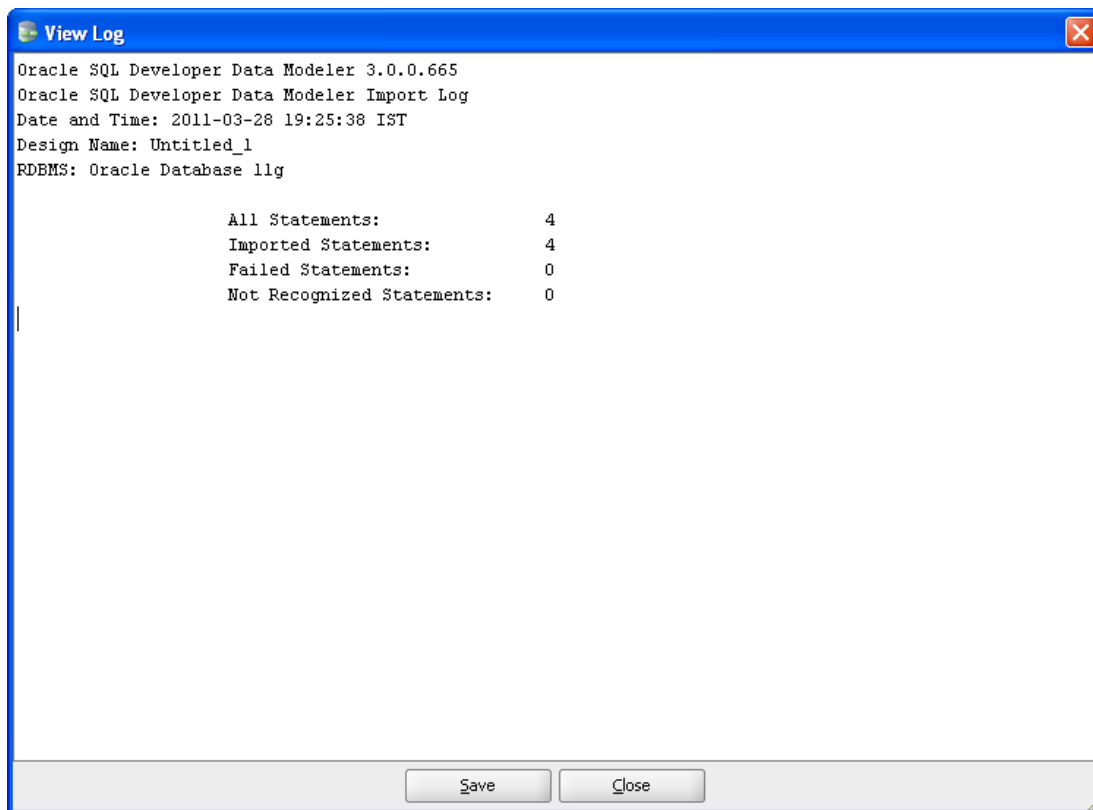
Database Name: Oracle
Database Version: Oracle Database 11g Enterprise Edition Release 11.2.0.2.0 - 64bit Production

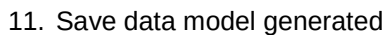
DB Objects that will be imported:
TABLE 4

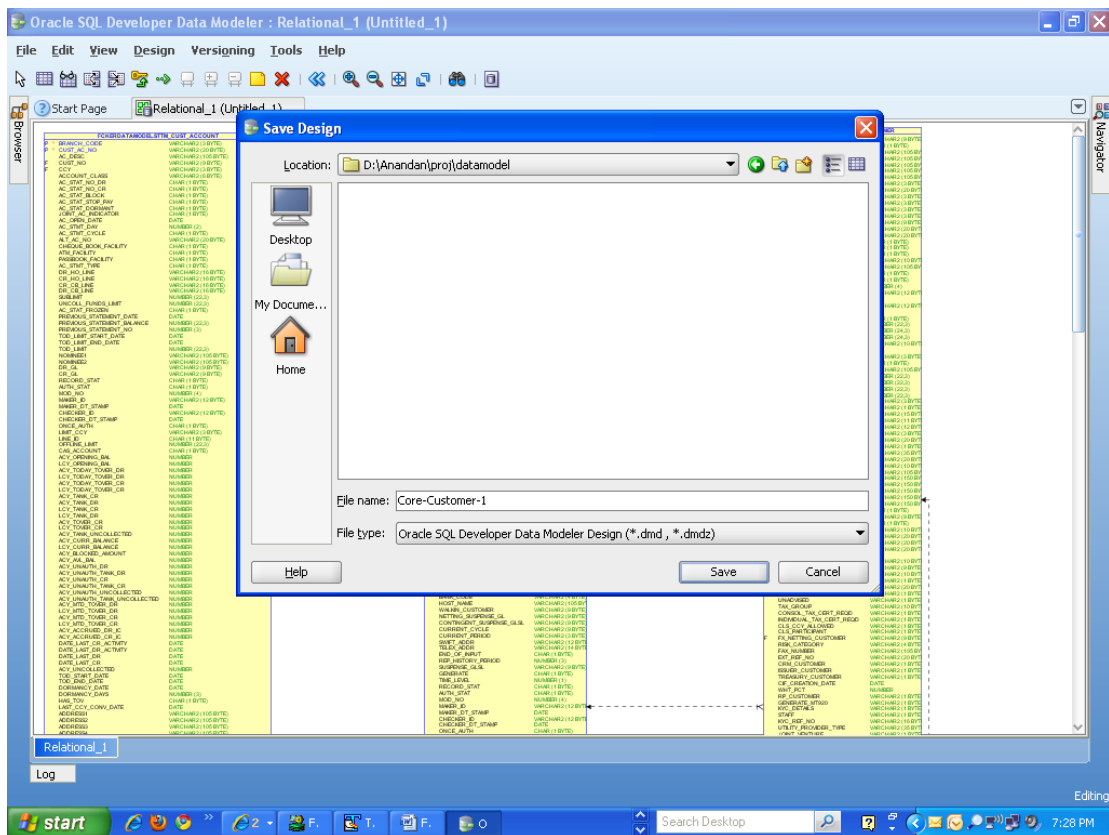
< Back Next > Finish Cancel Help

10. Click **Finish**











Data Model Getting Started
[June] [2021]
Version 14.5.1.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
<https://www.oracle.com/industries/financial-services/index.html>

Copyright © 2020, 2021 Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.