Data Model – Getting Started Oracle Banking Treasury Management Release 14.4.0.3.0 [February] [2021]



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## 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

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- 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\_14.4.0.3.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE
    - > OBTR\_14.4.0.3.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE
  - Create Foreign Keys in schema using following scripts at the schema identified.
    - OBTR\_14.4.0.3.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\FKR
  - Create column comments using below scripts at the schema identified.
    - OBTR\_14.4.0.3.0\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

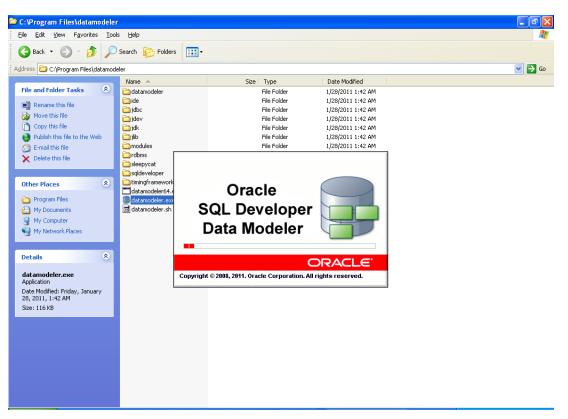
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

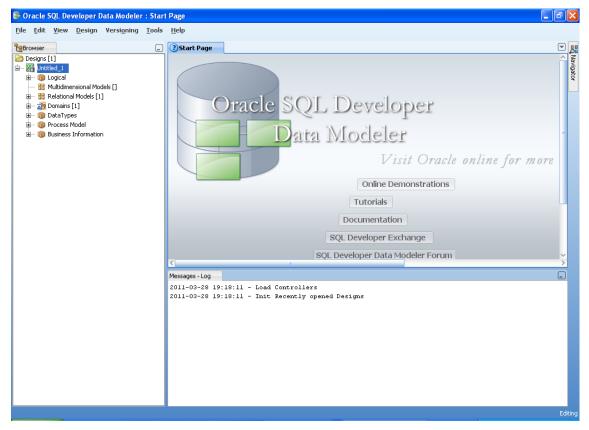


# 4. Creating Data Model and ER Diagram

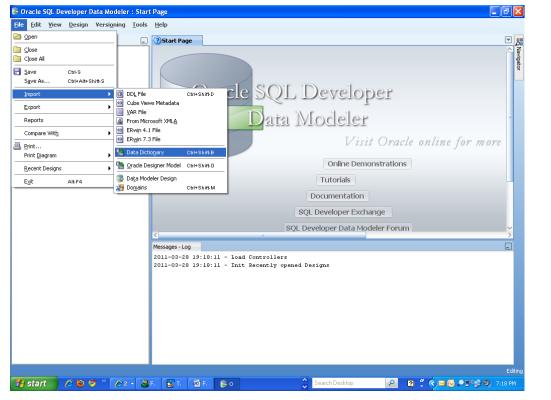
1. Open the Oracle SQL Developer Data modeler





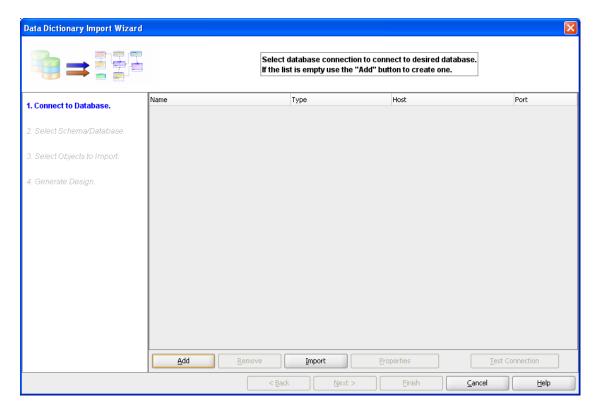


#### 2. Click File $\rightarrow$ Import $\rightarrow$ Data dictionary





#### 3. Click Add



4. Provide the database connectivity parameters



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

Message	
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6. Click database connection row



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2. Select Schema/Database.					
3. Select Objects to Import.					
4. Generate Design.					
	Add B	emove Import	Proper	ties	Test Connection
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7. Select the database Schema name

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2. Select Schema/Database.		FCISSMSUT2
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		FCISSPUT1
3. Select Objects to Import.		FCISSPUT2
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		FCKERDATAMODEL
		FCMOBILE
	H H	FCP81121
	H H	FCPBIT1
		FCPBIT1READ
		FCPBIT2
		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 > Einish Cancel Help



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

	ļ	Select the objects you wis	sh to import.
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		FCKERDATAMODEL	CYTA_RATES
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Sciect objects to import.		FCKERDATAMODEL	CYTB_CCY_POSITION
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		FCKERDATAMODEL	CYTB_RATES_UPLOAD
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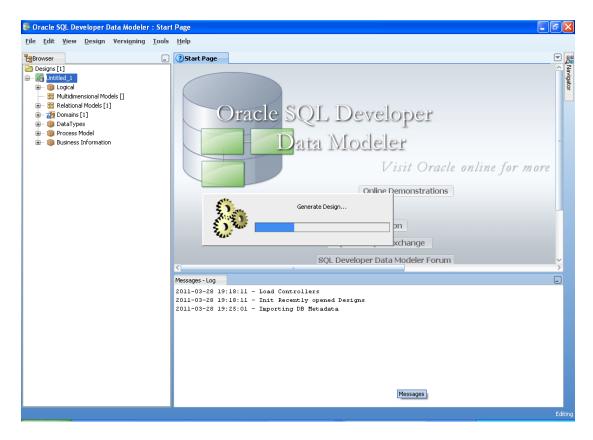
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. Select Objects to Import.		FCKERDATAMODEL	STTM_CUSTAC_CRDR_LMTS
		FCKERDATAMODEL	STTM_CUSTAC_PRODUCTS
Descents Destina		FCKERDATAMODEL	STTM_CUSTAC_TXNCODE
. Generate Design.		FCKERDATAMODEL	STTM_CUSTOMER
		FCKERDATAMODEL	STTM_CUSTOMER_ALTERNATE_BRANCH
		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 FCKERDATAMODEL	STTM_CUST_ACCOUNT_BREAKUP STTM_CUST_ACCOUNT_DORMANCY
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		FCKERDATAMODEL	STIM_COST_ACCOUNT_PRE_IMAGE
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	TableSpaces Temp TableSpaces		Stored Procedures Functions Undo TableSpaces
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#### 9. Click Next

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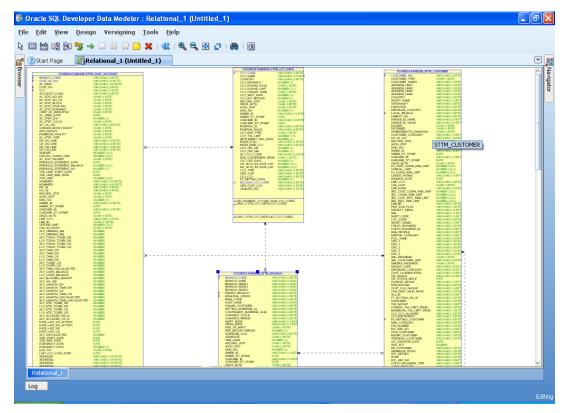
#### 10. Click Finish





🕏 View Log					
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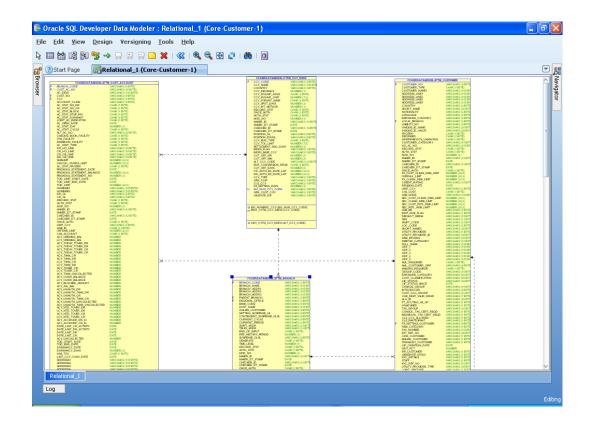


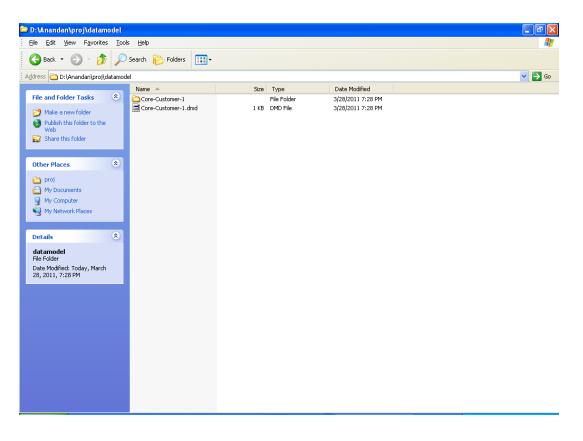
11. Save data model generated



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