Data Model – Getting Started Oracle FLEXCUBE Universal Banking Release 14.6.1.0.0 Part No. F61251-01 [August] [2022]



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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. Oracle FLEXCUBE Universal Banking Data Model – Getting Started

## 3.1 Oracle FLEXCUBE Universal Banking Data model schema

- 1. Follow the below steps to get the Oracle FLEXCUBE Universal Banking Data model schema.
- Identify the new Oracle Database schema for data model purpose.
- Create the Oracle FLEXCUBE Universal Banking database tables by running all the DDL scripts in below folder at the schema identified.
  - FCUBS\_14.6.0.0.0\ROFC\MAIN\TABLE
  - FCUBS\_14.6.0.0\MAIN\TABLE
  - FCUBS\_14.6.0.0\SMS\MAIN\TABLE
- Create Foreign Keys in schema using following scripts at the schema identified.
  - FCUBS\_14.6.0.0.0\ROFC\MAIN\FKR
- Create column comments using below scripts at the schema identified.
  - FCUBS\_14.6.0.0\ROFC\MAIN\CMT
  - FCUBS\_14.6.0.0\MAIN\CMT

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

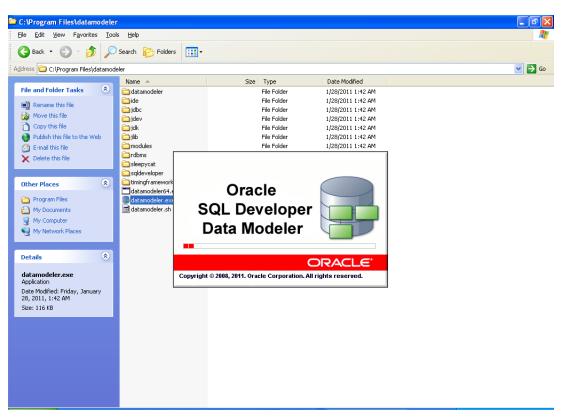
## 3.2 Oracle SQL Developer Data Modeler

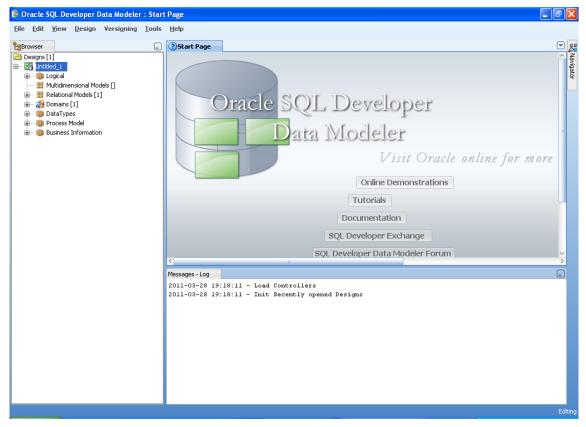
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

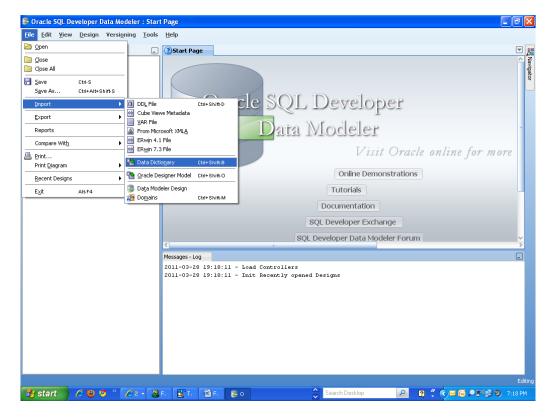
# 4. Creating Data Model and ER Diagram

1. Open the Oracle SQL Developer Data modeler

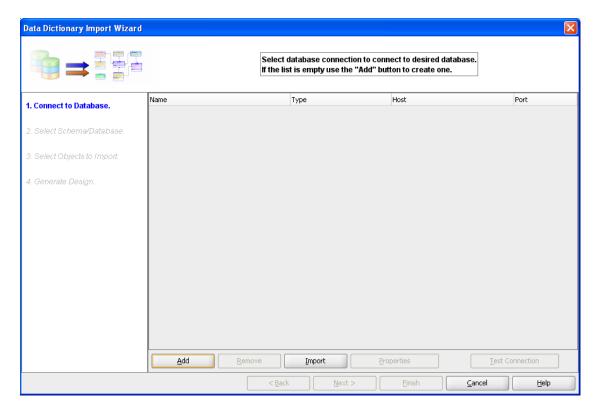




#### 2. Click File $\rightarrow$ Import $\rightarrow$ Data dictionary



### 3. Click Add



4. Provide the database connectivity parameters

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SID	KERDEV2											
◯ S <u>e</u> rvice name												
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5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step 4

Message	
i	Connection established successfully
	ОК

6. Click database connection row

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2. Select Schema/Database.					
3. Select Objects to Import.					
4. Generate Design.					
	Add	Remove	Import	Properties	Iest Connection
		< <u>B</u> ack	Next >	Einish	⊆ancel <u>H</u> elp

7. Select the database Schema name

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2. Select Schema/Database.		FCISSMSUT2
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		FCPBIT1READ
		FCPBIT2
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		FCUBSELCM
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	Filter:	All Selected Secondary Tables Spatial Properties
	-Import to: Relational_1	Swap target model     Oracle Database 11g     Compare Mapping
		< <u>Back</u> <u>Next</u> Einish <u>Cancel</u> <u>H</u> elp

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

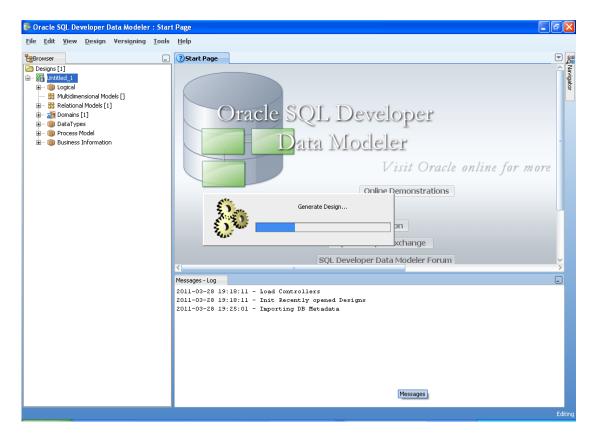
Select of Database.       Selected       Schema       Object Name         PCKERDATAMODEL       CYTW_UPLOAD_MONITOR         PCKERDATAMODEL       CYTB_ACCR_POSITION         PCKERDATAMODEL       CYTB_CASH_POSITION         PCKERDATAMODEL       CYTB_CASH_POSITION         PCKERDATAMODEL       CYTB_CASH_POSITION         PCKERDATAMODEL       CYTB_COSH_POSITION         PCKERDATAMODEL       CYTB_COSH_POSITION         PCKERDATAMODEL       CYTB_COSH_POSITION         PCKERDATAMODEL       CYTB_COSH_POSITION         PCKERDATAMODEL       CYTB_COSH_POSITION         PCKERDATAMODEL       CYTB_DUMMY BACKUP         PCKERDATAMODEL       CYTB_DUMMY BACKUP         PCKERDATAMODEL       CYTB_DUMMY BACKUP         PCKERDATAMODEL       CYTB_RATES_HISTORY         PCKERDATAMODEL       CYTB_RATES_PEVAL         PCKERDATAMODEL       CYTB_RATES_UPLOAD         PCKERDATAMODEL       CYTM_CCY_DEN_MAPPING         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD         PCKERDATAMODEL       CYTM_CYD_EFN_UPLOAD		]	Select the objects you wis	sh to import.			
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					FCKERDA	TAMODEL			STTM_CL	JSTOMER_I	PARAM	
					FCKERDA	TAMODEL			STTM_CL	JSTOMER_I	PRE_IMAGE	
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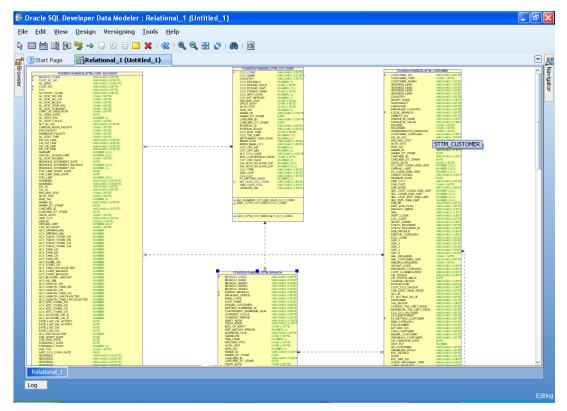
### 9. Click Next

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

#### 10. Click Finish

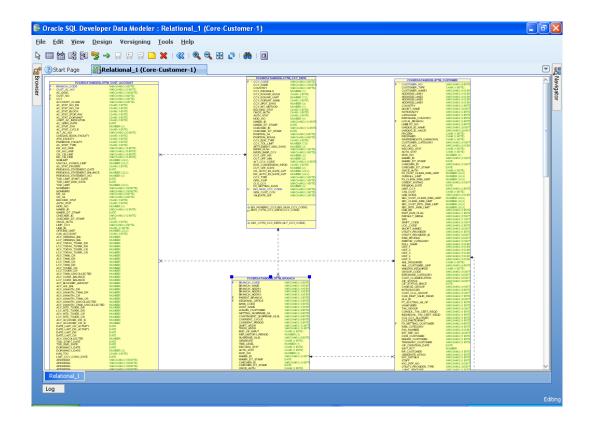


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Oracle SQL Developer Data Modeler 3.0.0.665 Oracle SQL Developer Data Modeler Import Log Date and Time: 2011–03–28 19:25:38 IST Design Name: Untitled_1 RDBMS: Oracle Database 11g	
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11. Save data model generated

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Data Model Getting Started [August] [2022] Version 14.6.1.0.0

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