Data Model – Getting Started Oracle FLEXCUBE Universal Banking Release 14.7.0.0.0 Part No. F72109-01 [November] [2022]



# Contents

1.	PRE	EFACE	3
		AUDIENCE	
2.	INT	RODUCTION	4
	2.1 2.2	WHAT IS IN THIS GUIDE WHY REVERSE ENGINEERING	4 4
3.	OR/	ACLE FLEXCUBE UNIVERSAL BANKING DATA MODEL – GETTING STARTED	5
	3.1 3.2	ORACLE FLEXCUBE UNIVERSAL BANKING DATA MODEL SCHEMA ORACLE SQL DEVELOPER DATA MODELER	5 5
4.	CRI	EATING DATA MODEL AND ER DIAGRAM	6

## 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.
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  - FCUBS\_14.7.0.0.0\MAIN\TABLE
  - FCUBS\_14.7.0.0.0\SMS\MAIN\TABLE
- Create Foreign Keys in schema using following scripts at the schema identified.
  - FCUBS\_14.7.0.0.0\ROFC\MAIN\FKR
- Create column comments using below scripts at the schema identified.
  - FCUBS\_14.7.0.0.0\ROFC\MAIN\CMT
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**Note**: The Database environment used for this data model cannot be used for other testing/production purpose.

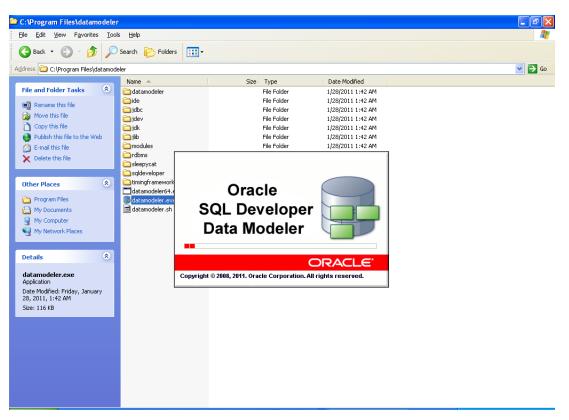
### 3.2 Oracle SQL Developer Data Modeler

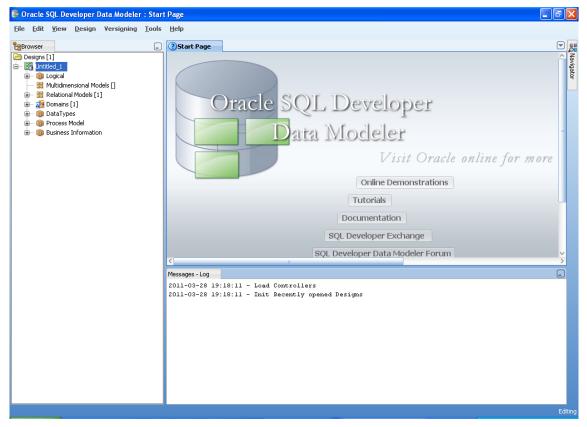
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions.

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

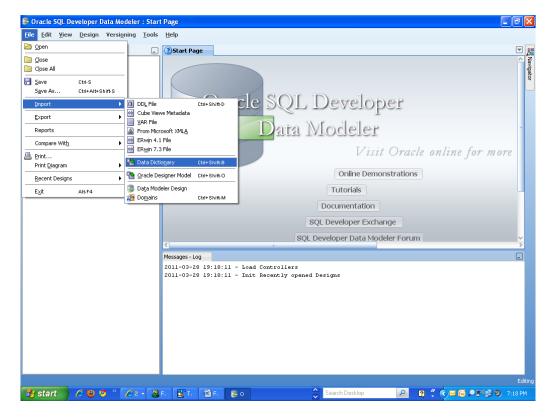
# 4. Creating Data Model and ER Diagram

1. Open the Oracle SQL Developer Data modeler



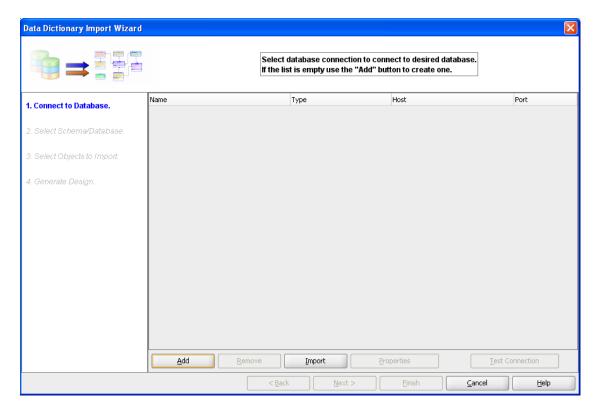


#### 2. Click File $\rightarrow$ Import $\rightarrow$ Data dictionary



FCUBS-FD08-01-01-Data Model getting started

### 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

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6. Click database connection row

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3. Select Objects to Import.					
4. Generate Design.					
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7. Select the database Schema name

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

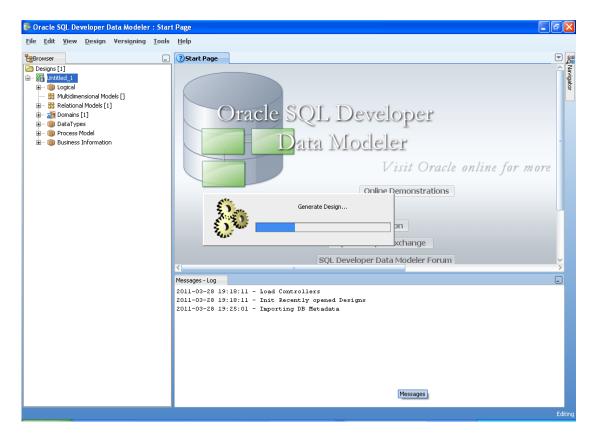
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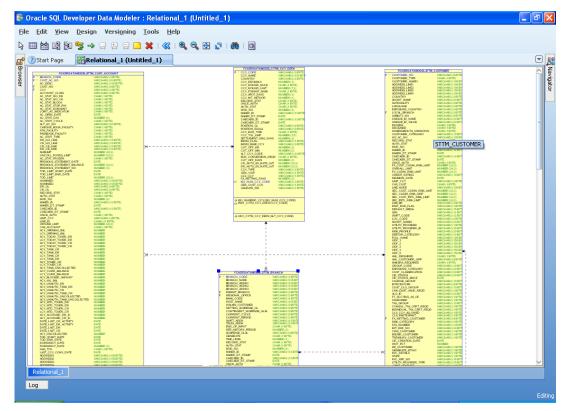
### 9. Click Next

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#### 10. Click Finish

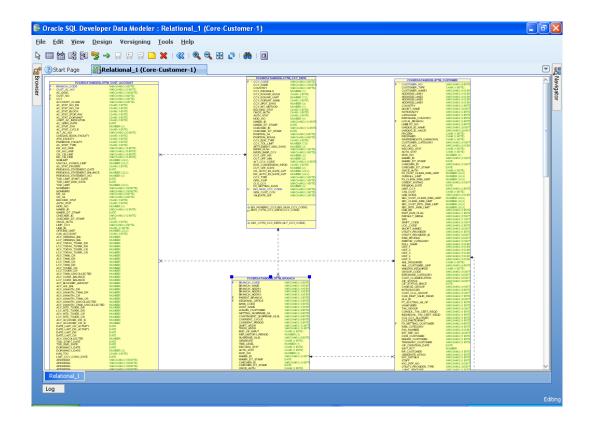


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