Oracle® Banking Corporate Lending Data Model - Getting Started



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ORACLE

Oracle Banking Corporate Lending Data Model - Getting Started, Release 14.7.1.0.0

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Contents

Preface

Oracle Banking Corporate Lending Data Model	iv
Audience	iv
List of Topics	iv

1 Data Model – Getting Started

1.1	Why Reverse Engineering	1-1
1.2	OBCL Data model schema	1-1
1.3	Oracle SQL Developer Data Modeler	1-2
1.4	Creating Data Model and ER diagram	1-2

Index



Preface

This topic contains the following sub-topics:

- Oracle Banking Corporate Lending Data Model
- Audience
- List of Topics

Oracle Banking Corporate Lending Data Model

This document describes the reverse engineering methodology to get the Oracle Banking Corporate Lending Data Model for a given business purpose.

A given business purpose could vary from report generation to data extraction to extending Oracle Banking Corporate Lending application functionality.

This topic has the following sub-topics:

Audience

This guide is intended for application developers who need to understand the OBCL data model.

List of Topics

This user manual is organized as follows:

Table 1 List of Topics

Topics	Description
Data Model – Getting Started	This topic describes the reverse engineering methodology to get the Oracle Banking Corporate Lending Data Model for a given business purpose.



1 Data Model – Getting Started

OBCL Data Model

This document describes the reverse engineering methodology to get the OBCL Data Model for a given business purpose. A given business purpose could vary from report generation to data extraction to extending OBCL application functionality. This topic has the following sub-topics:

- Why Reverse Engineering This topic describes the reverse engineering importance.
- OBCL Data model schema This topic describes the steps to get the Oracle OBCL Data model schema.
- Oracle SQL Developer Data Modeler
 This topic describes the Oracle SQL Developer Data Modeler.
- Creating Data Model and ER diagram
 This document describes the steps to create data model and ER diagram

1.1 Why Reverse Engineering

This topic describes the reverse engineering importance.

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

1.2 OBCL Data model schema

This topic describes the steps to get the Oracle OBCL Data model schema.

- Identify the new Oracle Database schema for data model purpose.
- Create the OBCL database tables by running all the DDL scripts in below folder at the schema identified.
 - OBCL_14.4.0.1.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE
 - OBCL_14.4.0.1.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE
- Create Foreign Keys in schema using following scripts at the schema identified.
 - OBCL_14.4.0.1.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\FKR
- Create column comments using below scripts at the schema identified.
 - OBCL_14.4.0.1.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\CMT



Note:

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

1.3 Oracle SQL Developer Data Modeler

This topic describes the 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

1.4 Creating Data Model and ER diagram

This document describes the steps to create data model and ER diagram

1. Open the Oracle SQL Developer Data modeler.



👼 Oracle SQL Developer Data Modele	er : Start Page	- 7 🛛
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		Editing

2. Click on File \rightarrow Import \rightarrow Data dictionary.



3. Click Add.



		Select database connection to co If the list is empty use the "Add" b	nnect to desired database. button to create one.	
1. Connect to Database.	Name	Туре	Host	Port
2. Select Schema/Database.				
3. Select Objects to Import.				
4. Generate Design.				
	Add Remov	ve Import [Properties Iest	Connection

4. Provide the **database connectivity**.

🕃 New / Upda	te Database Connection
Connection Name	FCKERDATAMODEL
<u>U</u> ser Name	FCKERDATAMODEL
Password	•••••
🗹 Sa <u>v</u> e Password	
Oracle JDBC	ODBC Bridge
Role	default 💌
Connection Type	Basic 🔻
Hostn <u>a</u> me	10.184.74.142
Po <u>r</u> t	1521
	KERDEV2
◯ S <u>e</u> rvice name	
Help	<u>Clear</u> <u>I</u> est Connection <u>QK</u> Cancel

5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step4.





6. Click database connection row.

Data Dictionary Import Wizard	l			
•	3	Select database connection If the list is empty use the	on to connect to desired databa "Add" button to create one.	ise.
1. Connect to Database.	Name FCKERDATAMODEL	Type Oracle	Host 10.184.74.142	Port 1521
2. Select Schema/Database.				
3. Select Objects to Import.				
4. Generate Design.				
	Add Rem	ove <u>I</u> mport	Properties	Test Connection
	[< <u>B</u> ack <u>N</u> ext >	Einish	Cancel Help

7. Select the database schema name.



Data Dictionary Import Wizard	J	×
	1	Select the schema/database you wish to import.
	Selected	Schema
1. Connect to Database.		11/00/1001
		FCI55MSUT1
2. Select Schema/Database.		FCISSMSUT2
		FCI55PD1
		FCISSPUT1
3. Select Objects to Import.		FCISSPUT2
		FCIS_MDS
4. Generate Resign		FCIS ORABAM
4. Generale Debign.		FCIS ORASDPM
		FCIS SOAINFRA
		FCITR2
		FCKERDATAMODEL
		FCMOBILE
		FCPB1121
		FCPBIT1
		FCPBITIRFAD
		ECPBIT2
		ECSUPPOT
		ECTRNGDEV112
		ECURSEICM
		ECUBSITSUD1
	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.

		Select the objects you w	ish to import.
1 Connect to Database	Selected	Schema	Object Name
1. Connect to Database.		FCKERDATAMODEL	CVTW_UPLOAD_MONITOR
		FCKERDATAMODEL	CYTA RATES
2. Select Schema/Database.		FCKERDATAMODEL	CYTE ACCR POSITION
		FCKERDATAMODEL	CYTB_CASH_POSITION
Select Objects to Import		FCKERDATAMODEL	CYTB_CCY_PAIR
Select objects to import.		FCKERDATAMODEL	CYTB_CCY_POSITION
		FCKERDATAMODEL	CYTB_DERIVED_RATES_HISTORY
4. Generate Design.		FCKERDATAMODEL	CYTB_DUMMY
		FCKERDATAMODEL	CYTB_DUMMY_BACKUP
		FCKERDATAMODEL	CYTB_RATES_HISTORY
		FCKERDATAMODEL	CYTB_RATES_REVAL
		FCKERDATAMODEL	CYTB_RATES_UPLOAD
		FCKERDATAMODEL	CYTM_CCY_COUNTRY_MAPPING
	✓	FCKERDATAMODEL	CYTM_CCY_DEFN
		FCKERDATAMODEL	CYTM_CCY_DEFN_INTMDT
		FCKERDATAMODEL	CYTM_CCY_DEFN_UPLOAD
		FCKERDATAMODEL	CYTM_CCY_DENO_DETAIL
		FCKERDATAMODEL	CYTM_CCY_DENO_MASTER
		FCKERDATAMODEL	CYTM_CCY_PAIR_DEFN
		FCKERDATAMODEL	CYTM_CCY_PAIR_DEFN_UPLOAD
		FCKERDATAMODEL	CYTM_CCY_WEIGHTAGES
		FCKERDATAMODEL	CYTM CUST SPREAD DETAILS
	Tables Views Users	Roles Directories External Tables	Contexts Clusters Sequences Synonyms
	TableSpaces Temp TableSpace	es Dimensions Types Packages	Stored Procedures Functions Undo TableSpaces
	Filter:		

Data Dictionary Import Wizard]		
		Select the objects you w	wish to import.
1. Connect to Database	Selected	Schema	Object Name
I. connect to bacabase.		FCKERDATAMODEL	STTM_CUSACC_ACLASS
		FCKERDATAMODEL	STTM_CUSTACC_LOG
2. Select Schema/Database.		FCKERDATAMODEL	STTM_CUSTAC_CLOSE_MODE
		FCKERDATAMODEL	STTM_CUSTAC_CLOSURE_PAYOUT
3. Select Objects to Import.		FCKERDATAMODEL	STTM_CUSTAC_CRDR_LMTS
		FCKERDATAMODEL	STTM_CUSTAC_PRODUCTS
		FCKERDATAMODEL	STTM_CUSTAC_TXNCODE
1. 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	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 TableS	paces Dimensions Types Packages	Stored Procedures Functions Undo TableSpaces
	Filter:		
		< Back Next >	Einish <u>C</u> ancel <u>H</u> elp

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.		
	< Back Next > Einish Cancel	Help

10. Click Finish.

e Edit View Design Versigning Tools Help Rowser Design [1] Design	le Edit Yiew Design Versigning Tools Help Provider Designs () Reviewer Process Model Reviewer Process Model Review	Oracle SQL Developer Data Modeler	Start Page	
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11. The ER diagram can be saved as **.dmd** file if required.





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Index

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Creating Data Model and ER diagram, 1-2

