Oracle® Banking Corporate Lending Data Model - Getting Started



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ORACLE

Oracle Banking Corporate Lending Data Model - Getting Started, Release 14.7.6.0.0

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Preface

This topic contains the following sub-topics:

- Purpose
- Audience
- Documentation Accessibility
- Critical Patches
- Diversity and Inclusion
- Conventions

Purpose

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.

Audience

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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Table 1	Conventions and Meaning
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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.





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

🛢 Oracle SQL Developer Data Modeler : Start Page		X
<u>File</u> Edit Yiew Design Versioning Tools Help		
🔁 Open 🔄 🕘 Start	t Page	00
Close All	Â	a Navigator
∃ Save Ctrl-S Save As Ctrl+Alt+Shift-S		9
Import DDL File Event Cube Views Metadate	curshind cle SQL Developer	
VAR File		
Reports Second S	Data Modeler	
ERwin 7.3 File	Visit Oracle online for more	
Print Diagram	Ctri+shift B	
Recent Designs	del Ctri+shift-0 Online Demonstrations	
Exit Alt-F4	T de contento	
Alg Domains	Ctrl+Shift-M Documentation	
	SQL Developer Exchange	
	SOL Developer Data Modeler Forum	
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Messages		
	3-28 19:18:11 - Load Controllers 3-28 19:18:11 - Init Recently opened Designs	
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🦺 start 🧷 🖉 🦻 🦻 🐣 🏉 2 🔹 🚉 F. 💽 1	T. 🔄 F. 📴 O 🗧 🗧 Search Desktop 🖉 🦿 🏹 🏧 🚱 🖓 7:18 PT	1

3. Click Add.



Data Dictionary Import Wizard				
*		Select database connection to If the list is empty use the "Add"		
1. Connect to Database.	Name	Туре	Host	Port
2. Select Schema/Database.				
3. Select Objects to Import.				
4. Generate Design.				
	Add Remo	ve <u>I</u> mport	Properties Ie	st Connection
		< <u>B</u> ack <u>N</u> ext >	Einish Cancel	Help

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
⊙ S <u>I</u> D	KERDEV2
◯ S <u>e</u> rvice name	
Help	Clear Test Connection OK Cancel

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





6. Click database connection row.

			ion to connect to desired database. 9 "Add" button to create one.	
1. Connect to Database.	Name FCKERDATAMODEL	Type Oracle	Host 10.184.74.142	Port 1521
2. Select Schema/Database.				
3. Select Objects to Import.				
1. Generate Design.				
	Add	Remove Import	Properties	Test Connection

7. Select the database schema name.



Data Dictionary Import Wizar	d	×
	3	Select the schema/database you wish to import.
1. Connect to Database.	Selected	Schema
1. Connect to Database.		ועכואכראר
		FCISSMSUT1
2. Select Schema/Database.		FCISSMSUT2
		FCISSPD1
		FCISSPUT1
3. Select Objects to Import.		FCISSPUT2
		FCIS_MDS
4. Generate Design.		FCIS_ORABAM
+. Constate Boolgin		FCIS_ORASDPM
		FCIS SOAINFRA
		FCITR2
		FCKERDATAMODEL
		FCMOBILE
		FCPB1121
		FCPBIT1
	H H	FCPBITIREAD
	H H	FCPBIT2
	H H	FCSUPPOT
		FCTRNGDEV112
		FCUBSELCM
	H	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</back>

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

]	Select the objects you w	ish to import.
Connect to Database.	Selected	Schema	Object Name
connect to batabase.		FCKERDATAMODEL	CVTW UPLOAD MONITOR
		FCKERDATAMODEL	CYTA_RATES
Select Schema/Database.		FCKERDATAMODEL	CYTB_ACCR_POSITION
		FCKERDATAMODEL	CYTB_CASH_POSITION
Select Objects to Import.		FCKERDATAMODEL	CYTB_CCY_PAIR
		FCKERDATAMODEL	CYTB_CCY_POSITION
		FCKERDATAMODEL	CYTB_DERIVED_RATES_HISTORY
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 I	Roles Directories External Tables	Contexts Clusters Sequences Synonym:
	TableSpaces Temp TableSpace	es Dimensions Types Packages	Stored Procedures Functions Undo TableSpaces



]	Select the objects you v	wish to import.
Connect to Database.	Selected	Schema	Object Name
connect to butubuse.		FCKERDATAMODEL	STTM_CUSACC_ACLASS
		FCKERDATAMODEL	STTM_CUSTACC_LOG
Select Schema/Database.		FCKERDATAMODEL	STTM_CUSTAC_CLOSE_MODE
		FCKERDATAMODEL	STTM_CUSTAC_CLOSURE_PAYOUT
Select Objects to Import.		FCKERDATAMODEL	STTM_CUSTAC_CRDR_LMTS
		FCKERDATAMODEL	STTM_CUSTAC_PRODUCTS
		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
	V	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 Us	ers Roles Directories External Tables	Contexts Clusters Sequences Synonym
	TableSpaces Temp Ta	bleSpaces Dimensions Types Packages	Stored Procedures Functions Undo TableSpaces

9. Click Next.

Data Dictionary Import Wizard		X
•=	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.









11. The ER diagram can be saved as .dmd file if required.









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Creating Data Model and ER diagram, 1-2

