Oracle® Banking Corporate Lending

Data Model - Getting Started

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Oracle Banking Corporate Lending Data Model - Getting Started, Release 14.7.5.0.0

G15168-01

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Preface

This topic contains the following sub-topics:

- Purpose
- Audience
- Documentation Accessibility
- Critical Patches
- Diversity and Inclusion
- Conventions
- Screenshot Disclaimer
- Basic Actions
- Symbols and Icons

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

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at Critical Patches, Security Alerts and Bulletins. All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by Oracle Software Security Assurance.

Diversity and Inclusion

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.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Basic Actions

Table 1 List of Basic Actions

Action	Description
Approve	Click **Approve** to approve the initiated report. This button is displayed, once the user click **Authorize**.
Audit	Click **Audit** to view the maker details, checker details of the particular record, and record status. This button is displayed only for the records that are already created.
Authorize	Click **Authorize** to authorize the record created. A maker of the screen is not allowed to authorize the report. Only a checker can authorize a record. This button is displayed only for the already created records.
Close	Click **Close** to close a record. This action is available only when a record is created.
Confirm	Click **Confirm** to confirm the performed action.
Cancel	Click **Cancel** to cancel the performed action.
Compare	Click **Compare** to view the comparison through the field values of old record and the current record. This button is displayed in the widget, once the user click **Authorize**.

Table 1 (Cont.) List of Basic Actions

Action	Description
Collapse All	Click **Collapse All** to hide the details in the sections. This button is displayed, once the user click **Compare**.
Expand All	Click **Expand All** to expand and view all the details in the sections. This button is displayed, once the user click **Compare**.
New	Click **New** to add a new record. The system displays a new record to specify the required data. **Note:** The fields which are marked in asterisk red are mandatory fields.
OK	Click **OK** to confirm the details in the screen.
Save	Click **Save** to save the details entered or selected in the screen.
View	Click **View** to view the report details in a particular modification stage. This button is displayed in the widget, once the user click **Authorize**.
View Difference only	Click **View Difference only** to view a comparison through the field element values of old record and the current record, which has undergone changes. This button is displayed, once the user click **Compare**.

Symbols and Icons

The list of symbols and icons available on the screens are as follows:

Table 2 Symbols and Icons - Common

Symbol/Icon	Function
	Minimize
	Maximize
	Close
	Perform Search
	Open a list
	Navigate to the first record
	Navigate to the last record

Table 2 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Navigate to the previous record
	Navigate to the next record
	Grid view
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete a row, which is already added.
	Calendar
	Alerts
	Unlock Option
	View Option
	New
	Enter query
	Execute query
	Copy
	Delete
	Save
	Search
	Advanced search

Table 2 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Clear all
	Reset
	Export
	Print
	View Details
	Sorting

Table 3 Symbols and Icons - Widget

Symbol/Icon	Function
	Open status
	Unauthorized status
	Rejected status
	Closed status
	Authorized status
	Modification Number
	Hold
	Reverse
	Authorize
	Rollover

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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

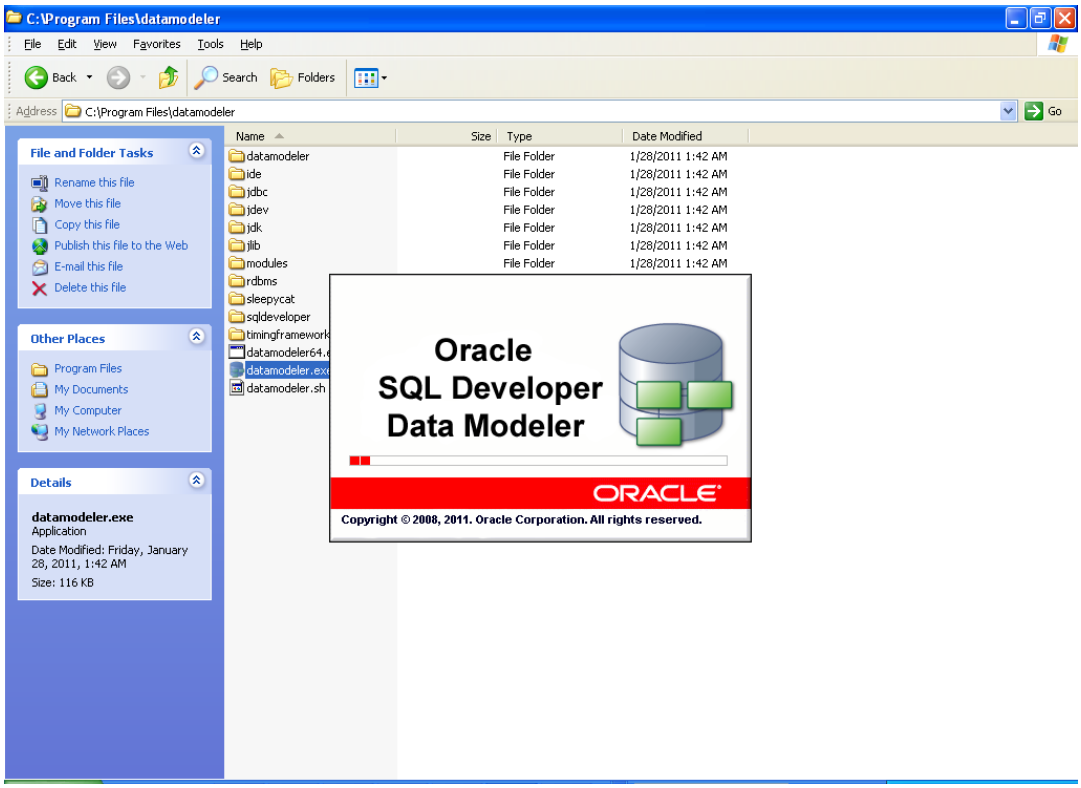
This topic describes the Oracle SQL Developer Data Modeler.

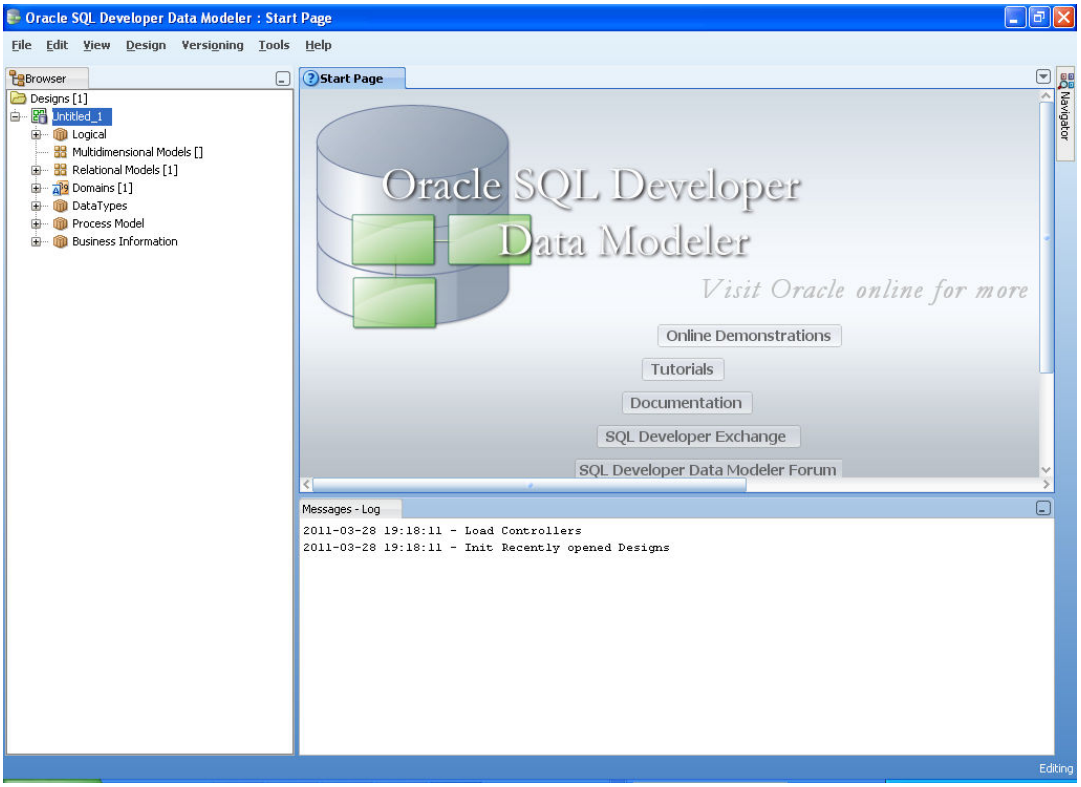
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions, http://www.oracle.com/technetwork/developer-tools/datamodeler/downloads/index.html

1.4 Creating Data Model and ER diagram

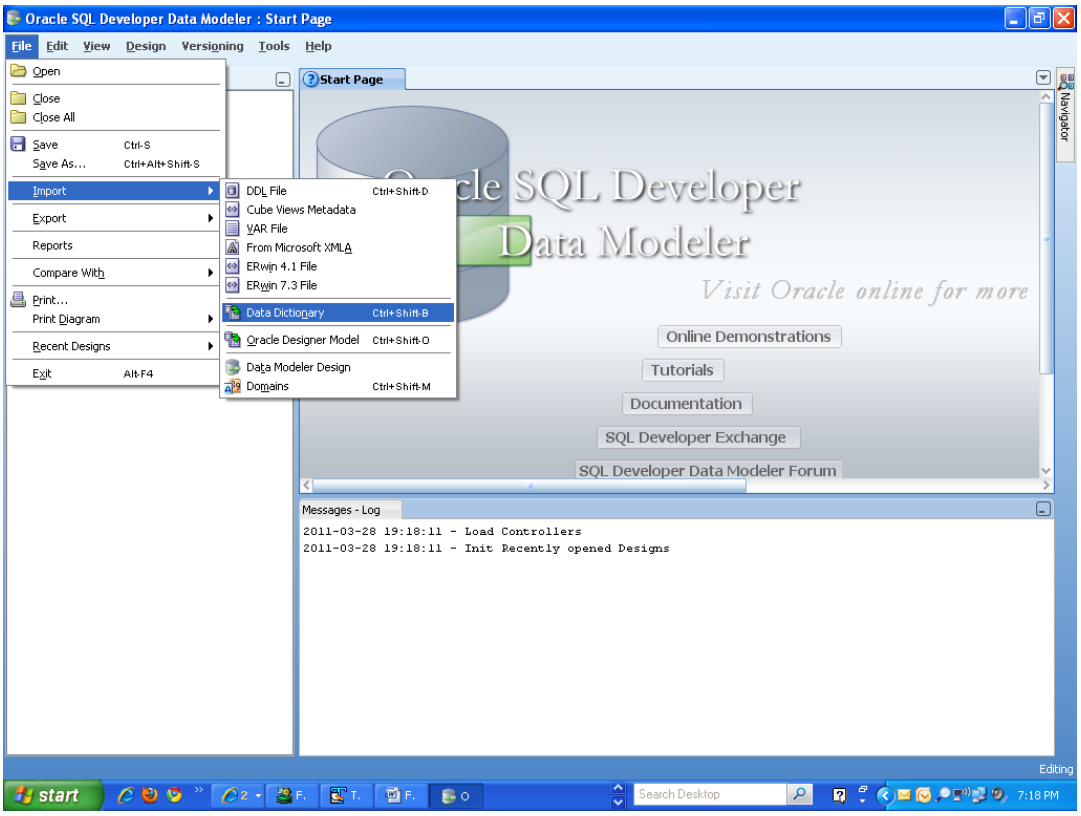
This document describes the steps to create data model and ER diagram

1. Open the **Oracle SQL Developer Data modeler**.

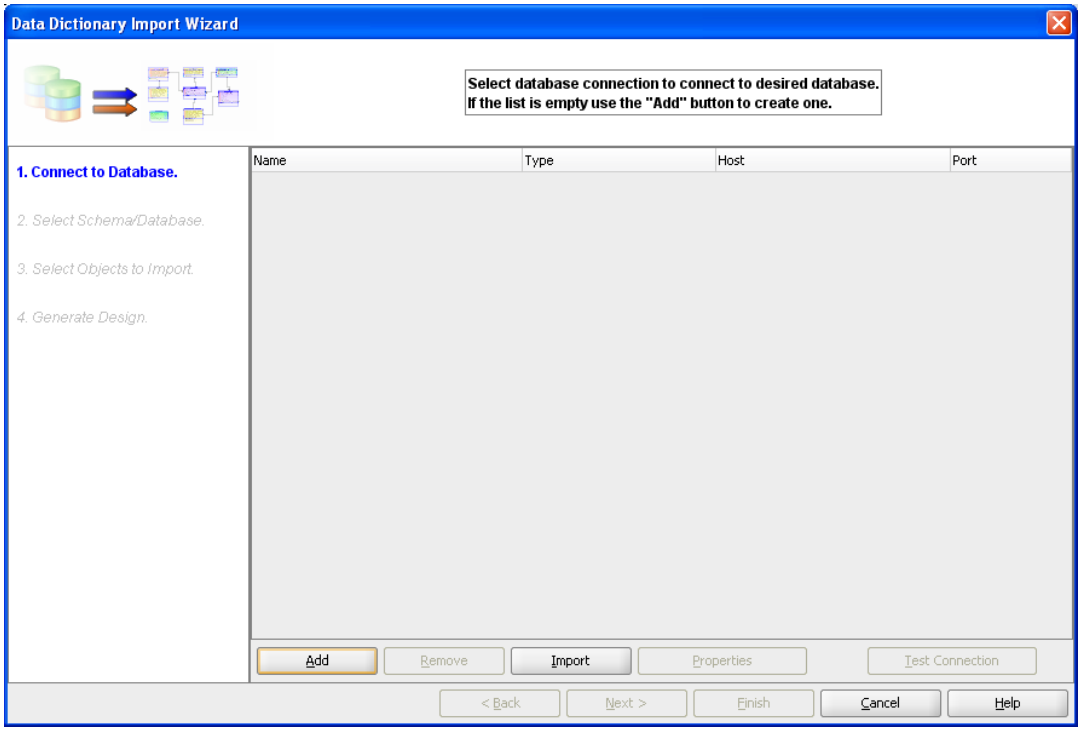




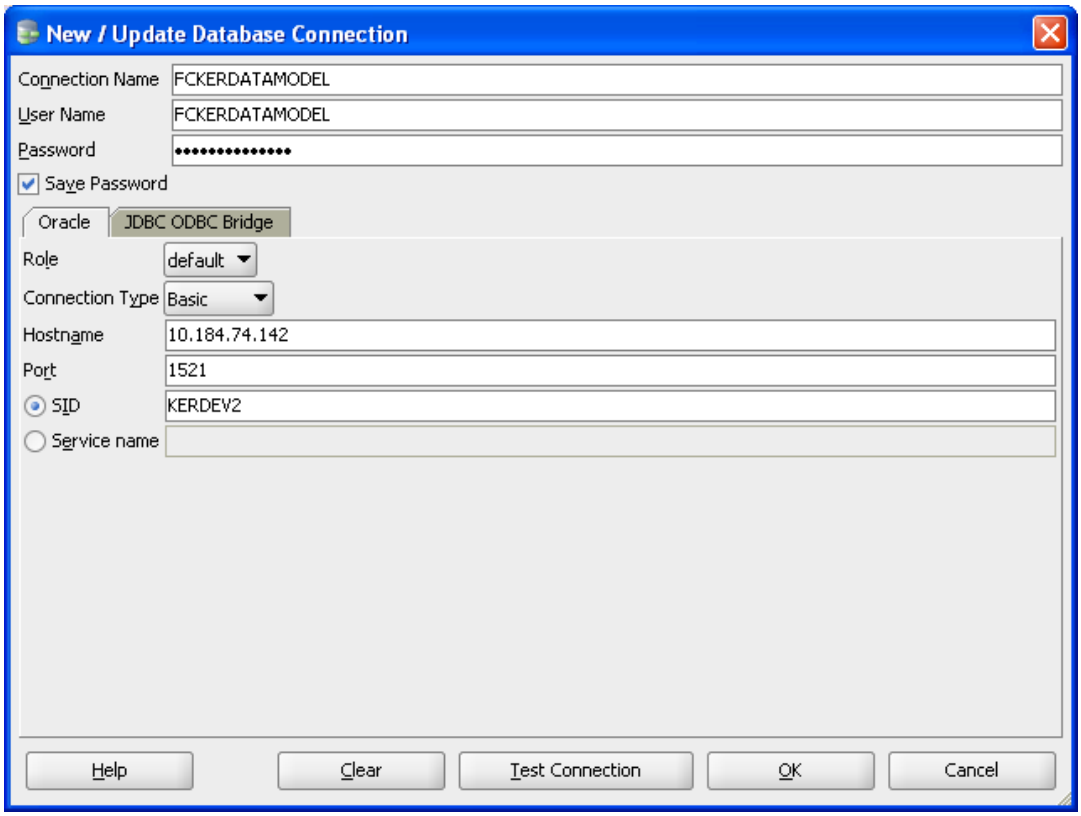
2. Click on File → Import → Data dictionary.



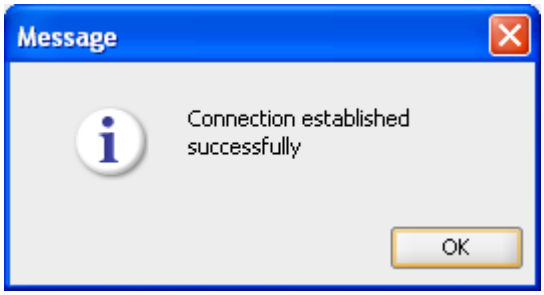
3. Click **Add**.



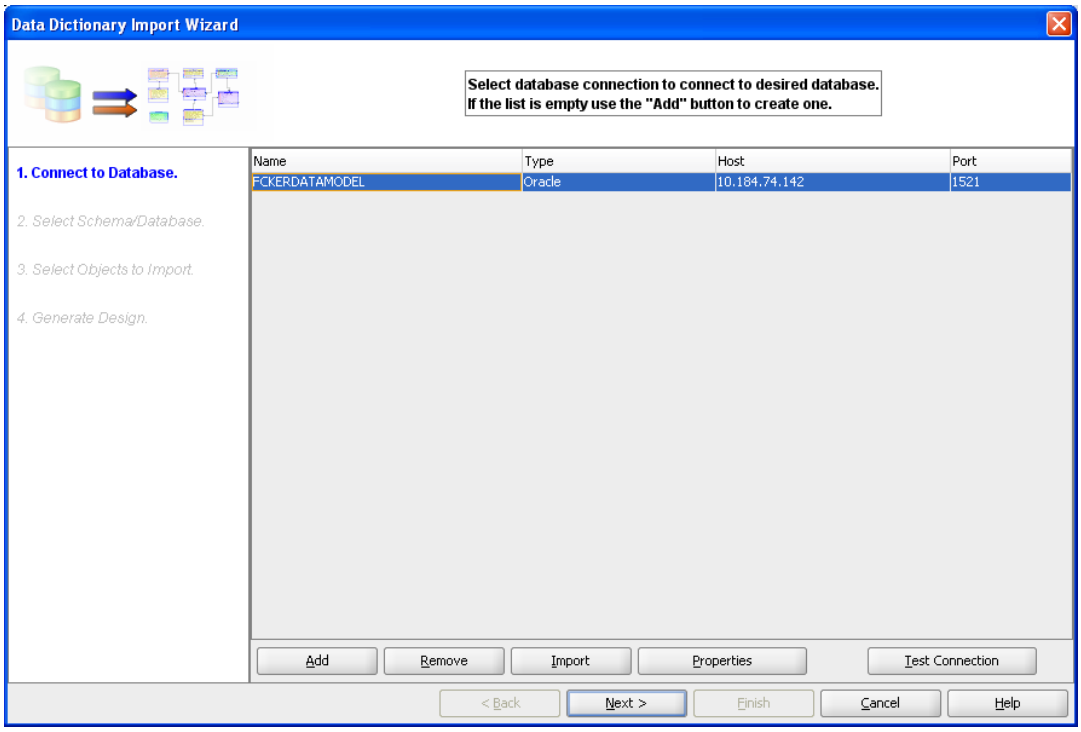
4. Provide the **database connectivity**.



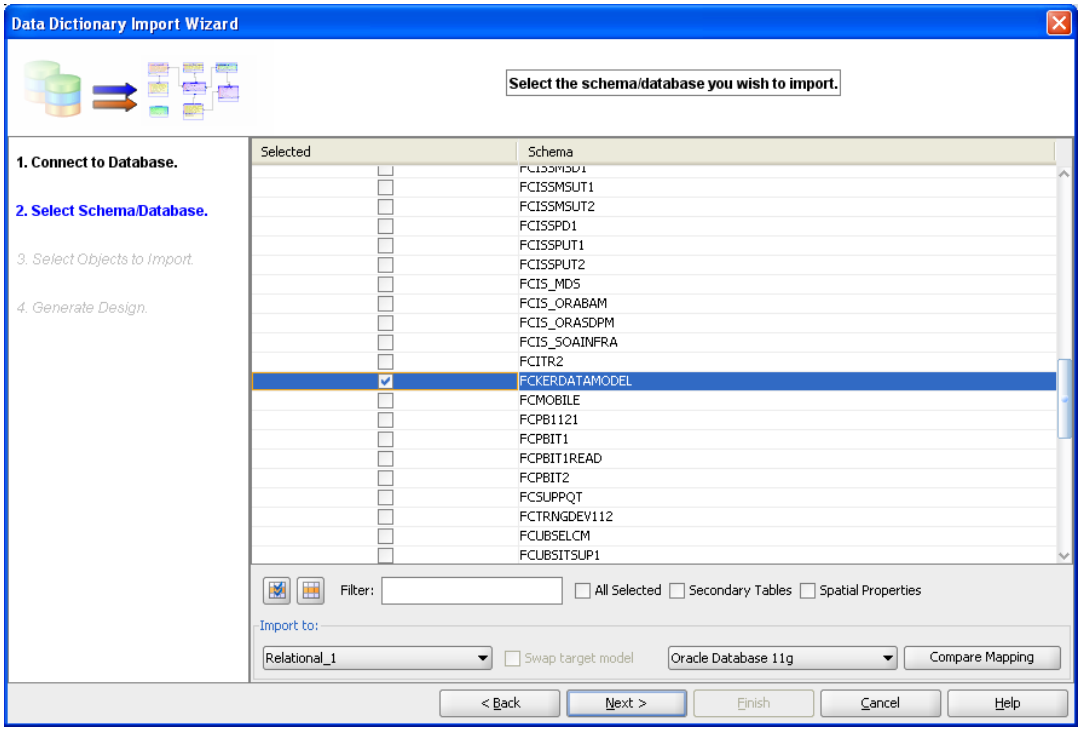
5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step4.



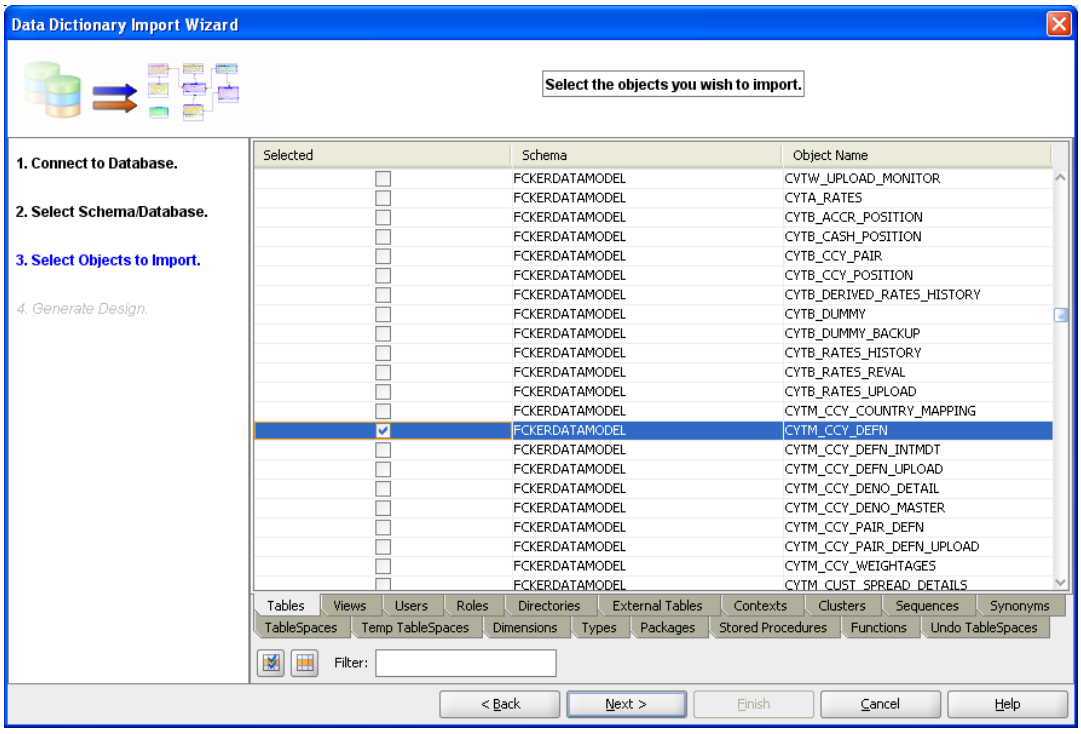
6. Click database connection row.

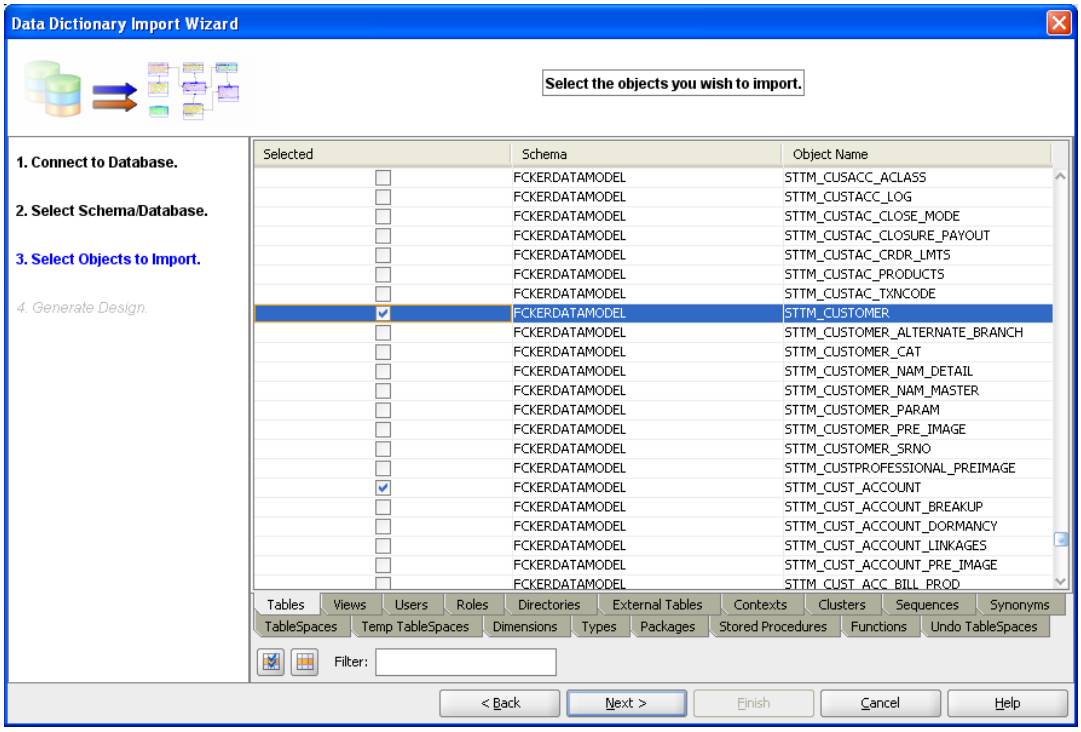


7. Select the database schema name.

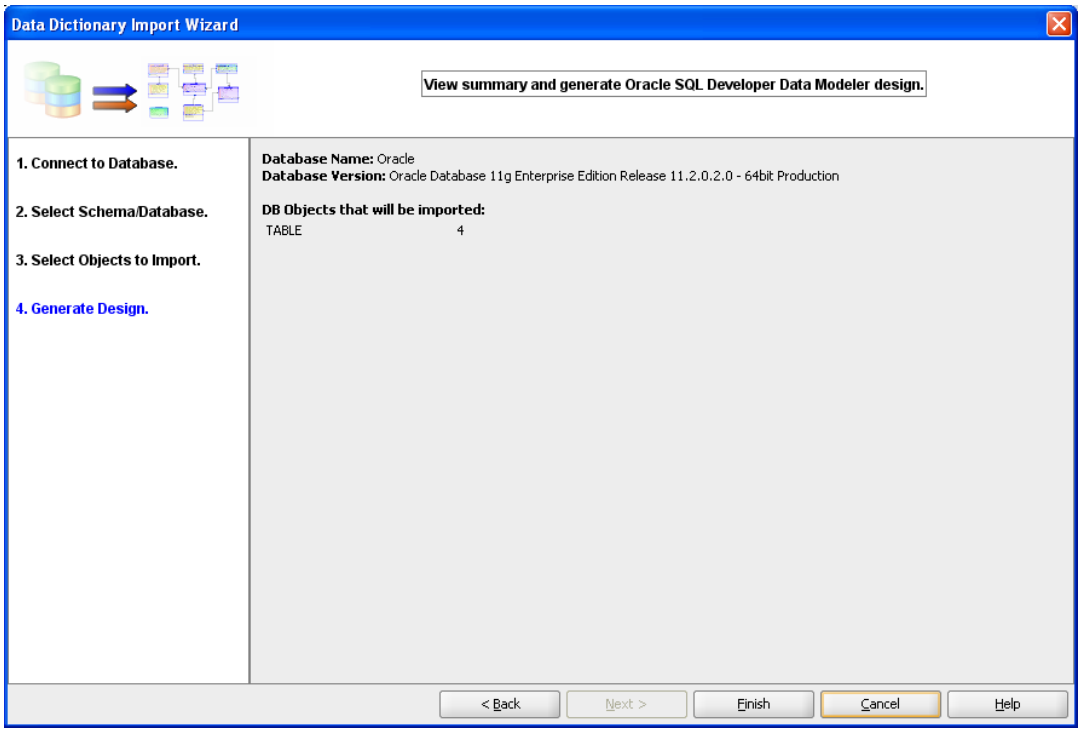


8. Select the entities(tables) that are to be used in ER diagram.

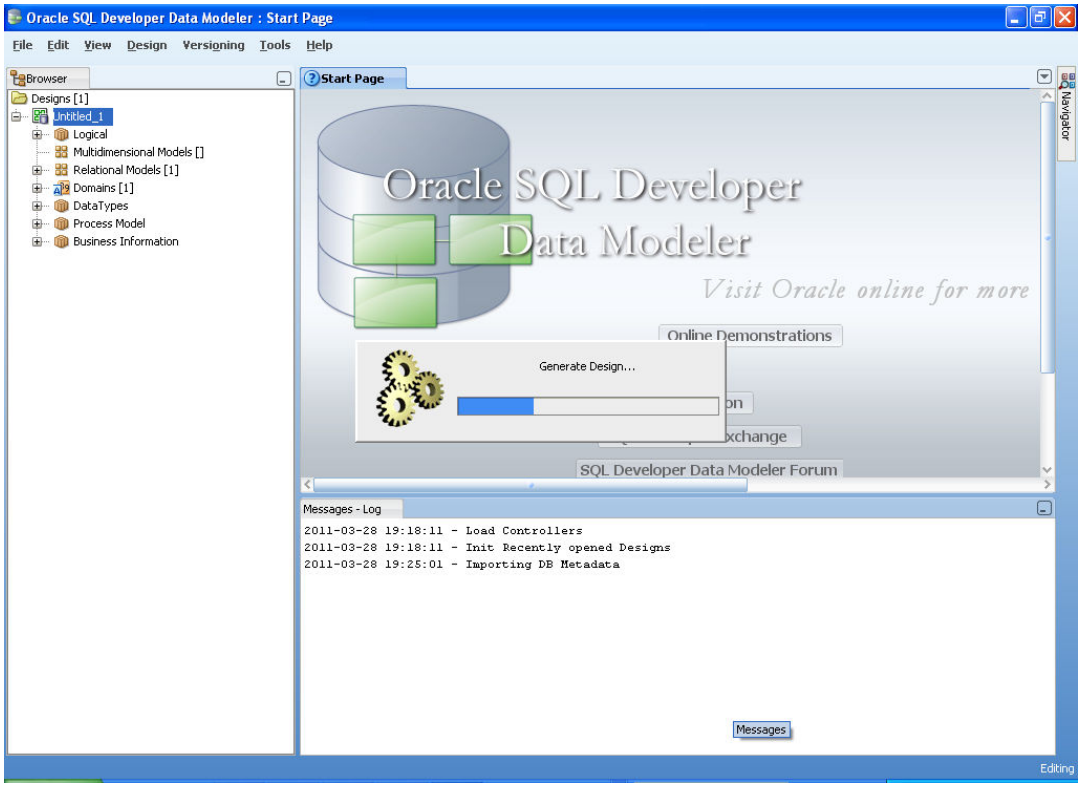




9. Click **Next**.



10. Click **Finish**.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File Edit View Design Versioning Tools Help
Browser
Designs [1]
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Logical
Multidimensional Models []
Relational Models [1]
Domains [1]
DataTypes
Process Model
Business Information
Start Page
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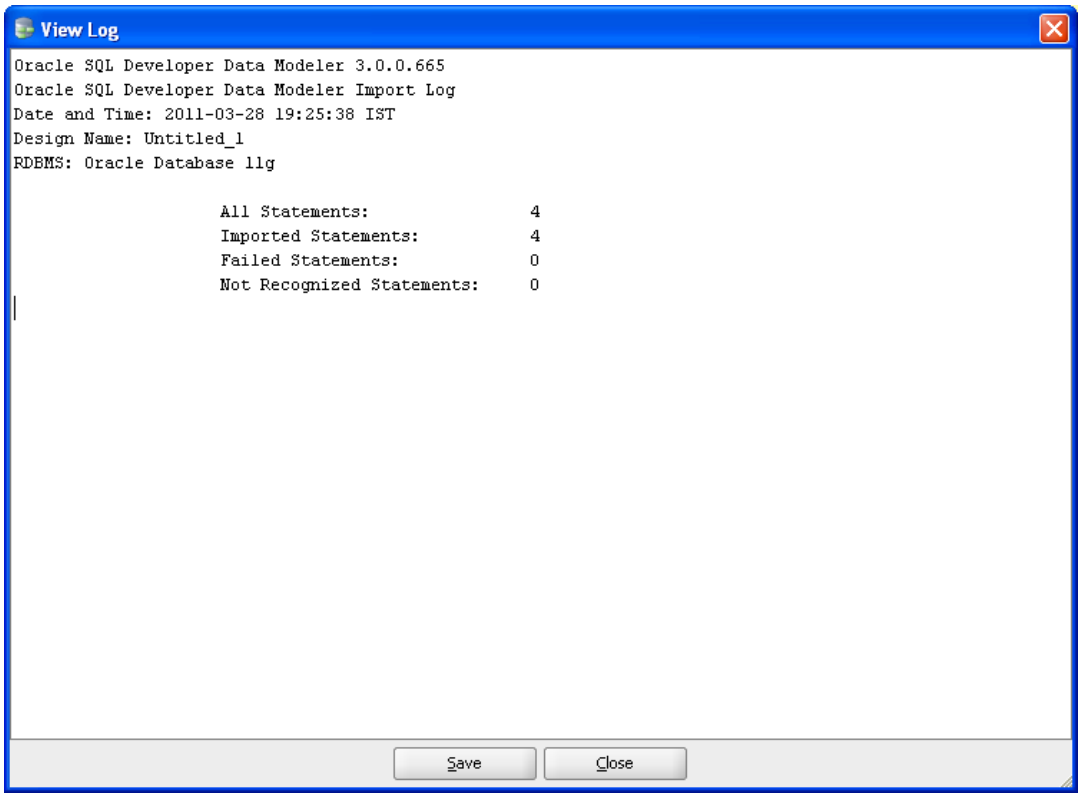
SQL Developer Data Modeler Forum
Navigator
Messages - Log
2011-03-28 19:18:11 - Load Controllers
2011-03-28 19:18:11 - Init Recently opened Designs
2011-03-28 19:25:01 - Importing DB Metadata
Messages
Editing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Oracle SQL Developer Data Modeler 3.0.0.665
Oracle SQL Developer Data Modeler Import Log
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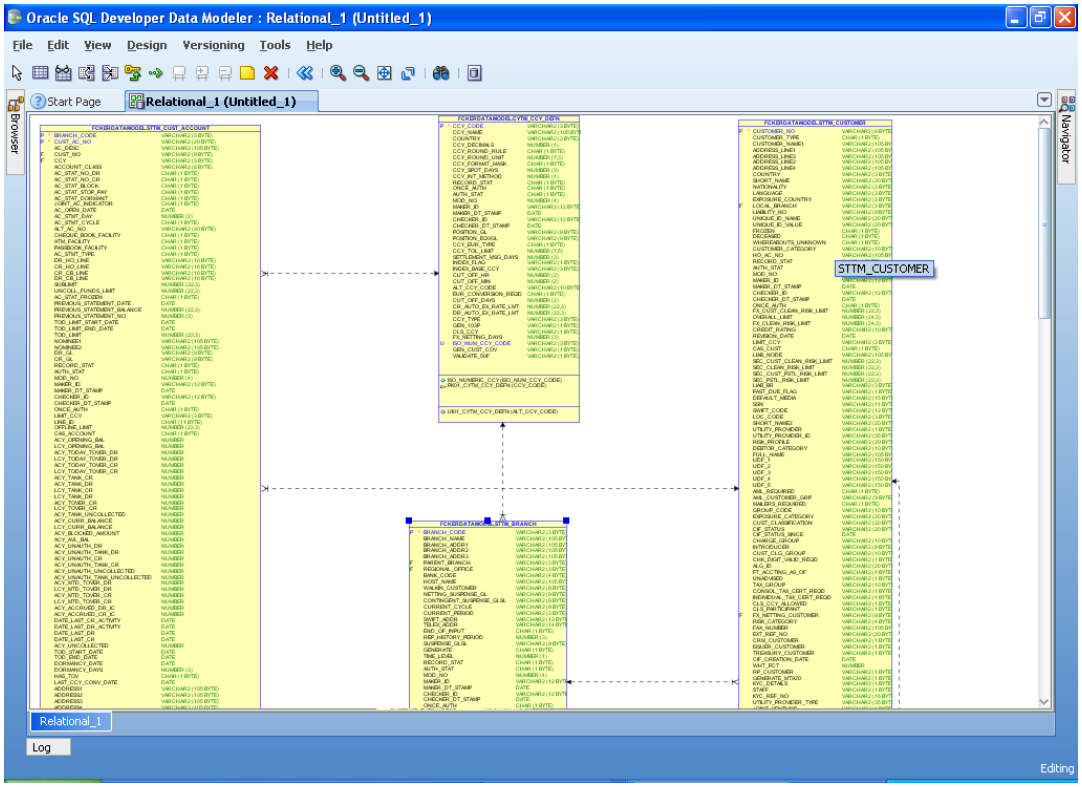
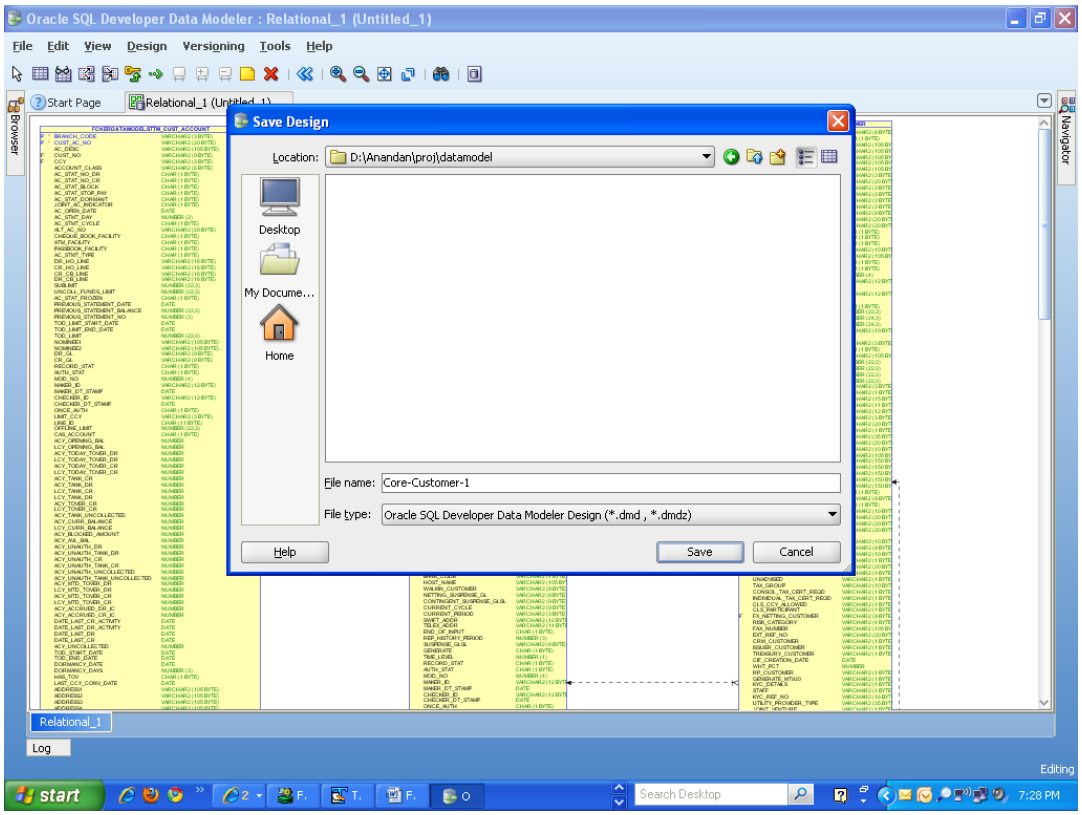
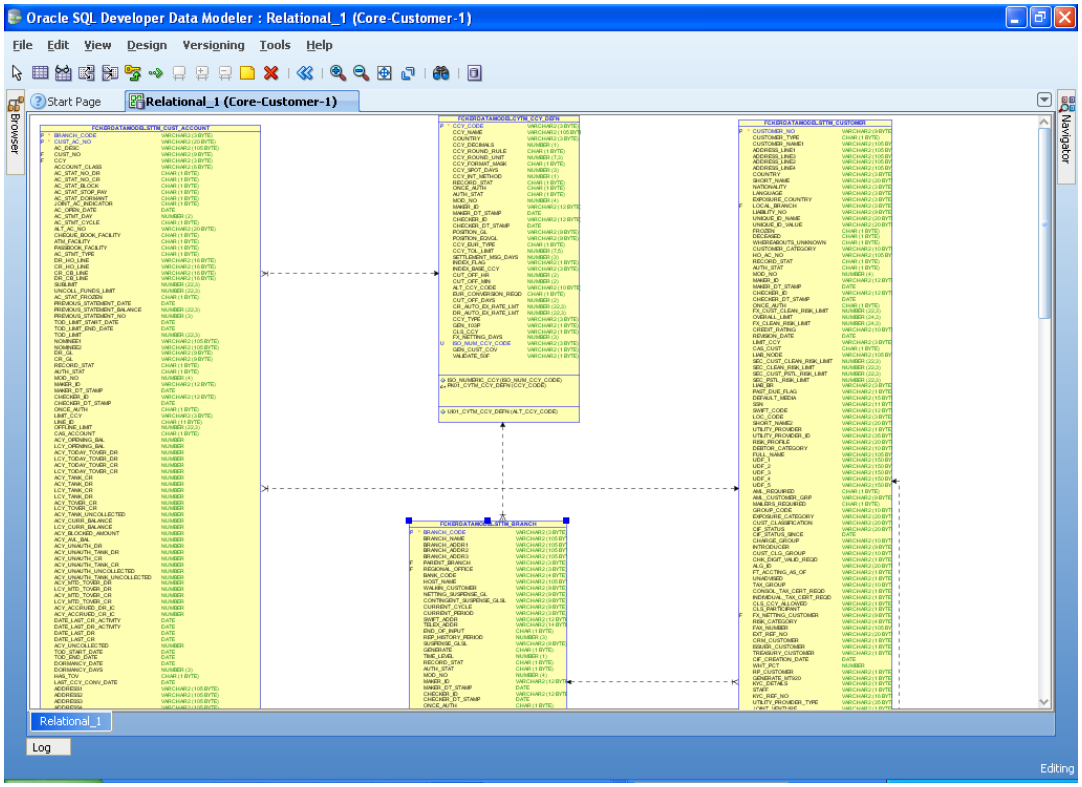
RDBMS: Oracle Database 11g
All Statements: 4
Imported Statements: 4
Failed Statements: 0
Not Recognized Statements: 0
Save
Close



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

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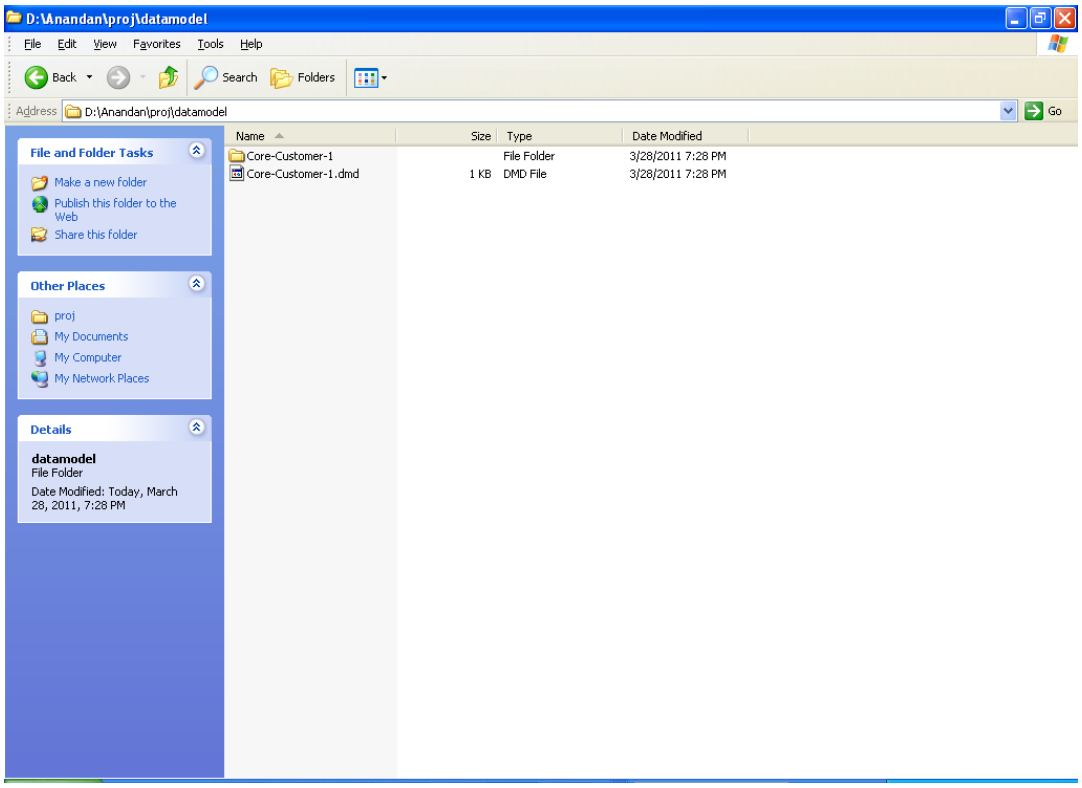
Navigator
Relational_1
Log
Editing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File Edit View Favorites Tools Help
Back
Search
Folders
Address
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Go
File and Folder Tasks
Make a new folder
Publish this folder to the Web
Share this folder
Other Places
proj
My Documents
My Computer
My Network Places
Details
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Name
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Type
Date Modified
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