

Oracle® Banking Treasury Management

OBTR Data Model Getting Started



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Contents

Preface

Audience	iv
List of Topics	iv

1 Oracle Banking Treasury Management Data Model

1.1	Why Reverse Engineering	1-1
1.2	OBTR 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 manual is designed to help you to quickly get acquainted with the Interest module of Oracle Banking Treasury Management.

- [Audience](#)
- [List of Topics](#)

Audience

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

List of Topics

This user manual is organized as follows:

Table 1 List of Topics

Topics	Description
Oracle Banking Treasury Management Data Model	This topic describes the reverse engineering methodology to get the OBTR Data Model for a given business purpose .

1

Oracle Banking Treasury Management Data Model

This document describes the reverse engineering methodology to get the OBTR Data Model for a given business **purpose**.

A given business purpose could vary from report generation to data extraction to extending OBTR application functionality.

This topic has the following sub-topics:

- [Why Reverse Engineering](#)
This topic Describes the reverse engineering importance.
- [OBTR Data model schema](#)
This topic describes the steps to get the Oracle OBTR 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 OBTR application would be huge, the business application developers need to re-engineer with required filtered portion of OBTR 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 OBTR Database schema and generate the ER diagram. This ER diagram further can be used to understand the OBTR and can be foundation for further business development requirement.

1.2 OBTR Data model schema

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

- Identify the new Oracle Database schema for data model purpose.
- Create the OBTR database tables by running all the DDL scripts in below folder at the schema identified.
 - OBTR_14.4.0.1.0\MAIN\DATABASE\HOST\CONSOL\DDL\TABLE
 - OBTR_14.4.0.1.0\MAIN\DATABASE\BRANCH\CONSOL\DDL\TABLE
- Create Foreign Keys in schema using following scripts at the schema identified.
 - OBTR_14.4.0.1.0\MAIN\DATABASE\DATAMODEL\HOST\CONSOL\FKR
- Create column comments using below scripts at the schema identified.

- OBTR_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

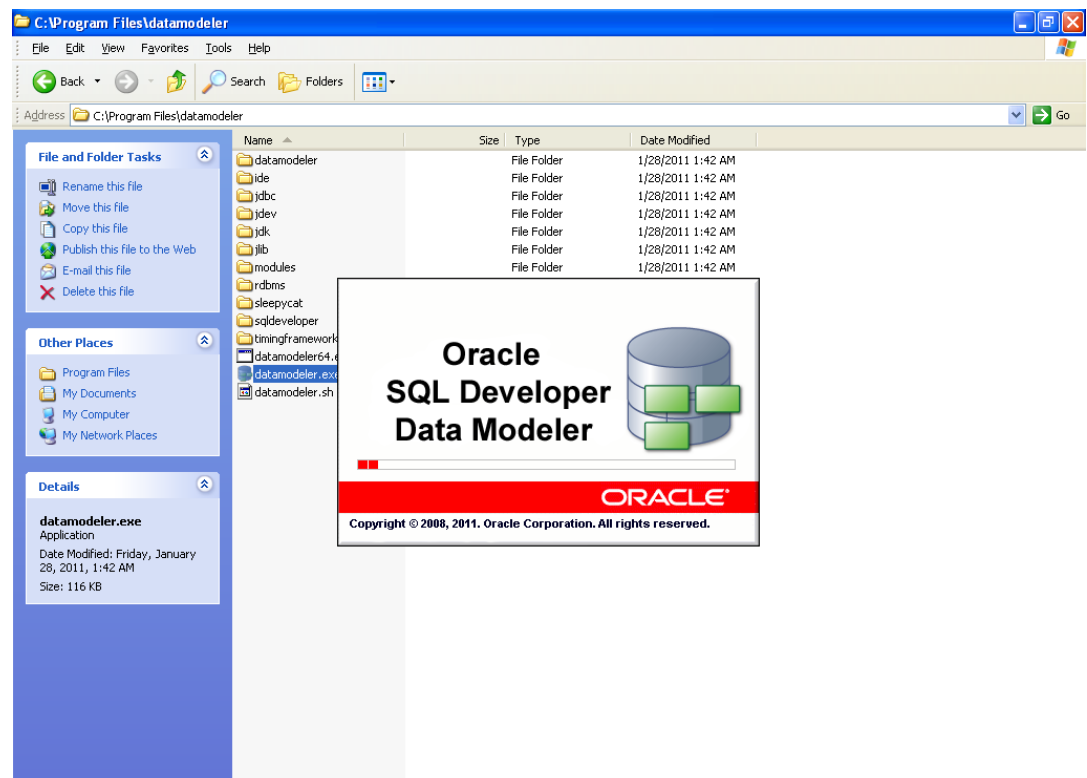
This topic describes the Oracle SQL Developer Data Modeler.

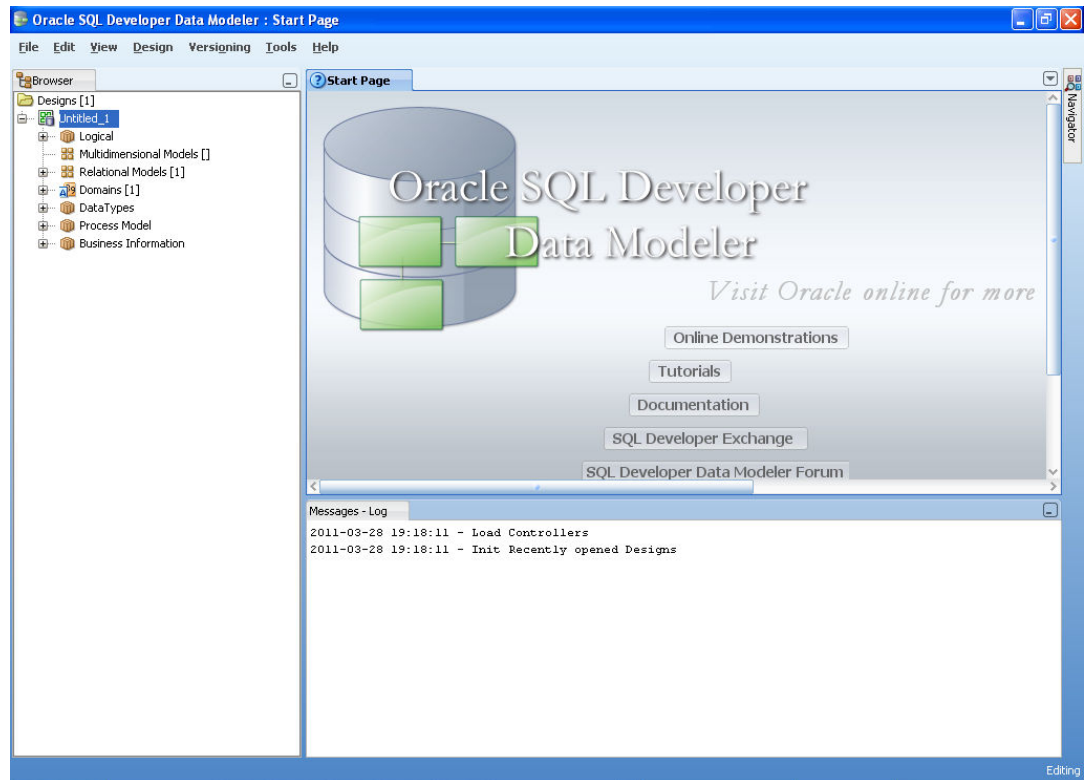
Ensure you have installed the Oracle SQL Developer Data model in your local system. Refer further Oracle documentation for download and install instructions, <http://www.oracle.com/technetwork/developer-tools/datamodeler/downloads/index.html>

1.4 Creating Data Model and ER diagram

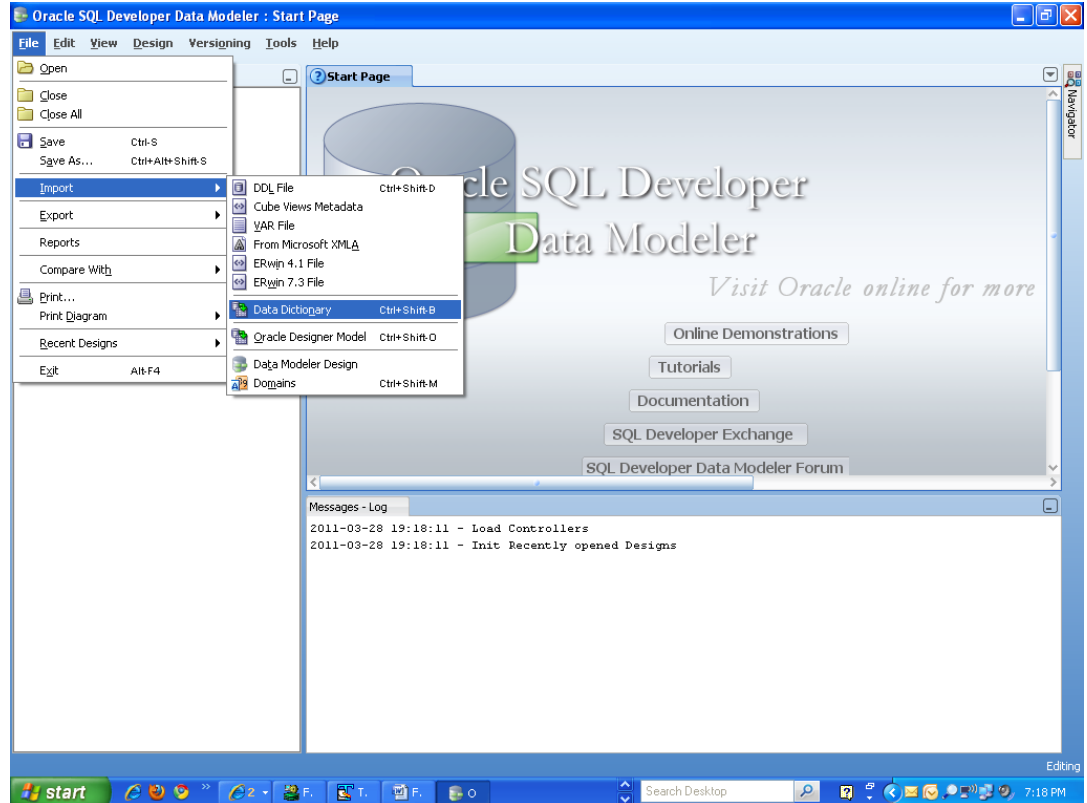
This document describes the steps to create data model and ER diagram

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

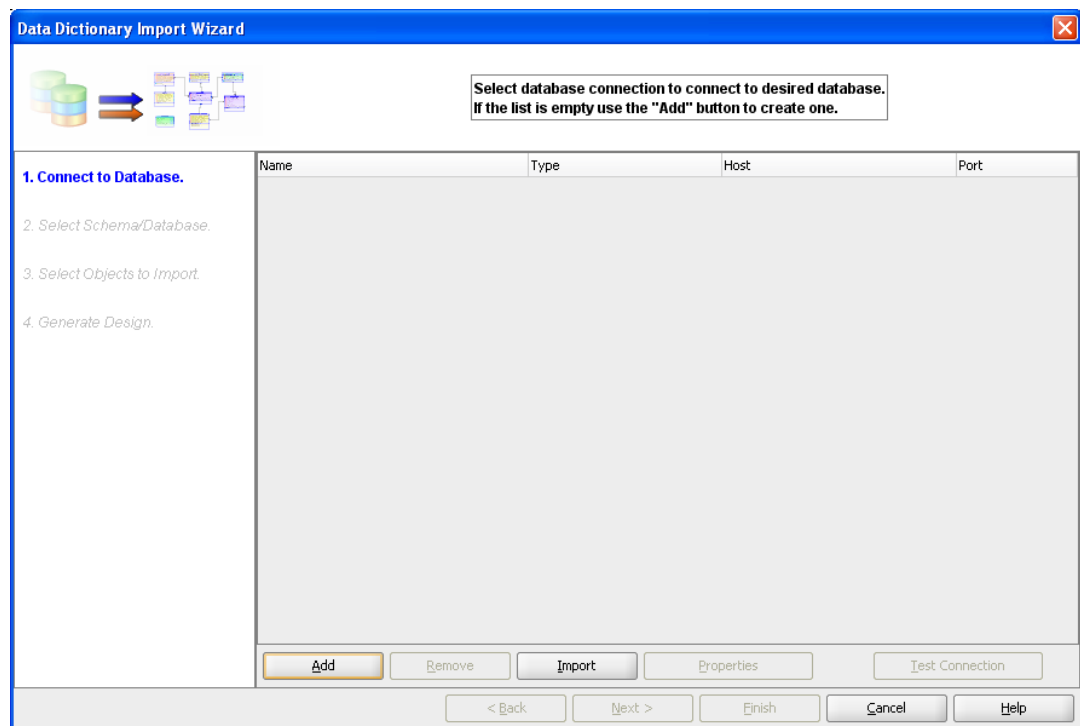




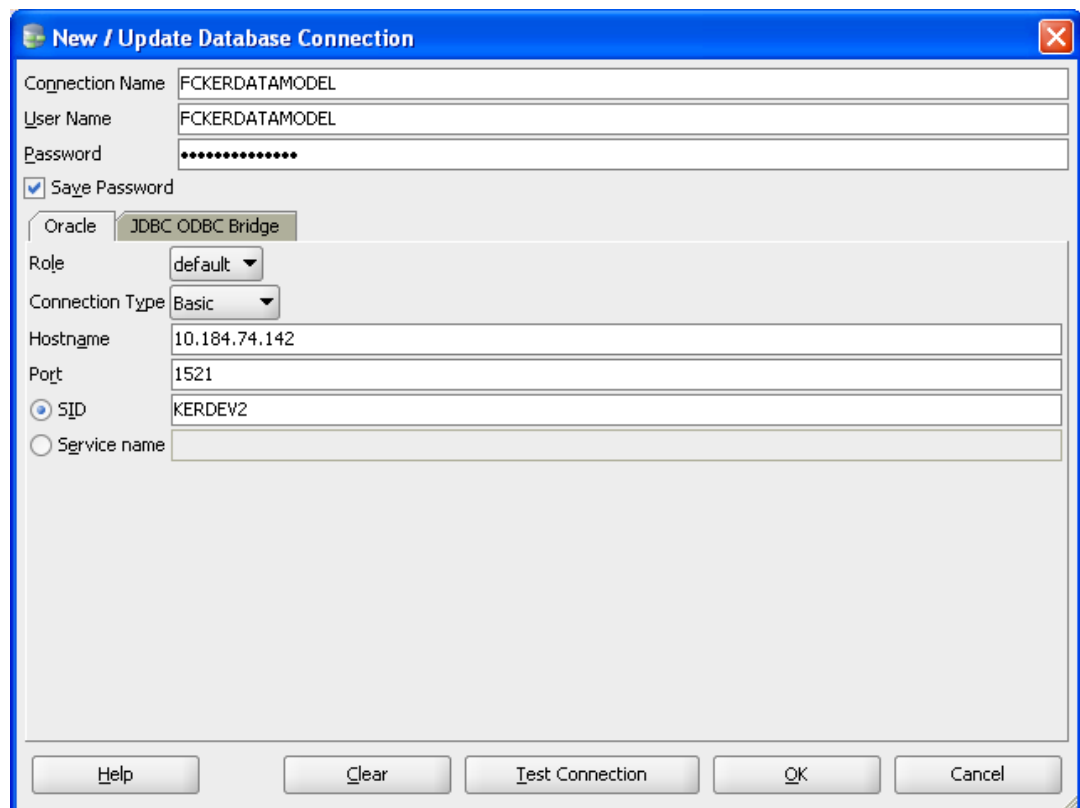
2. Click on File → Import → Data dictionary.



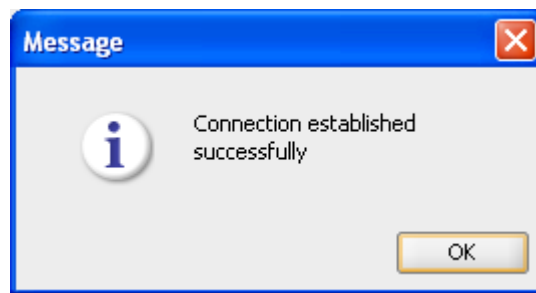
3. Click Add.



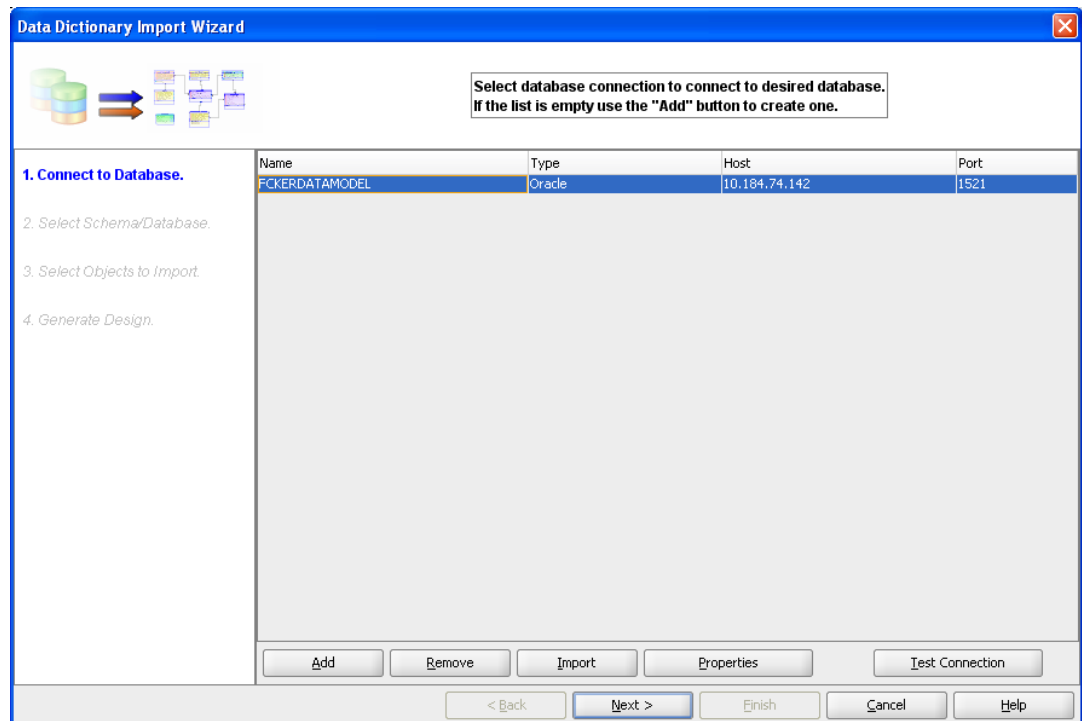
4. Provide the **database connectivity**.



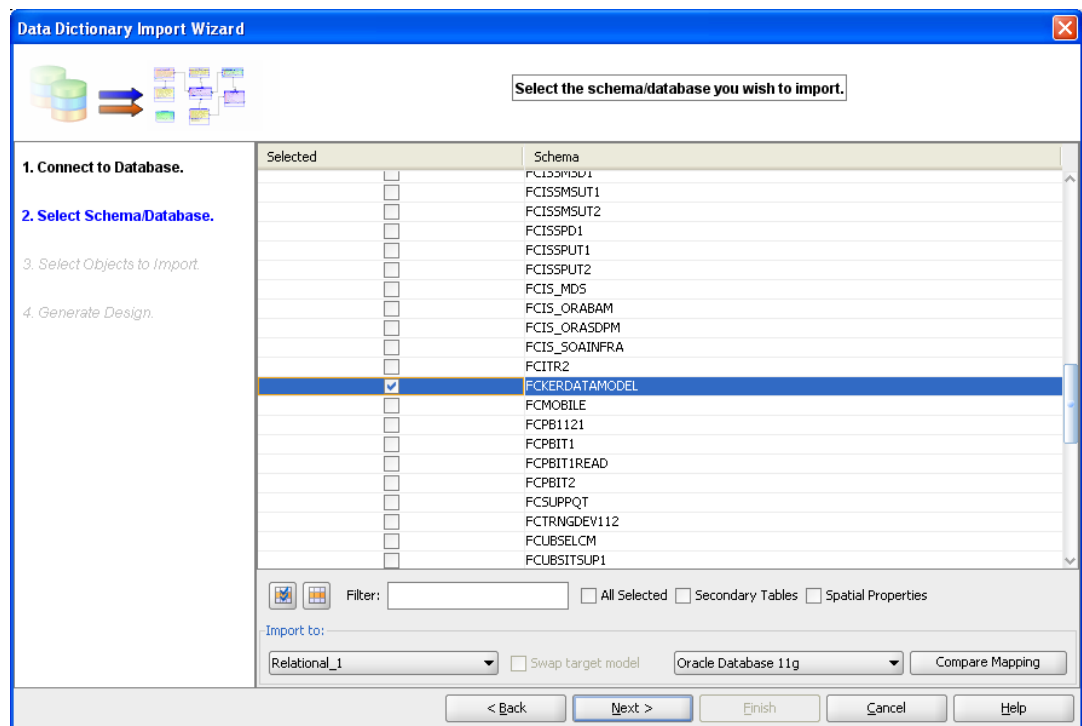
5. Click **Test Connection** and ensure it is successful. If connection fails, verify and repeat step4.



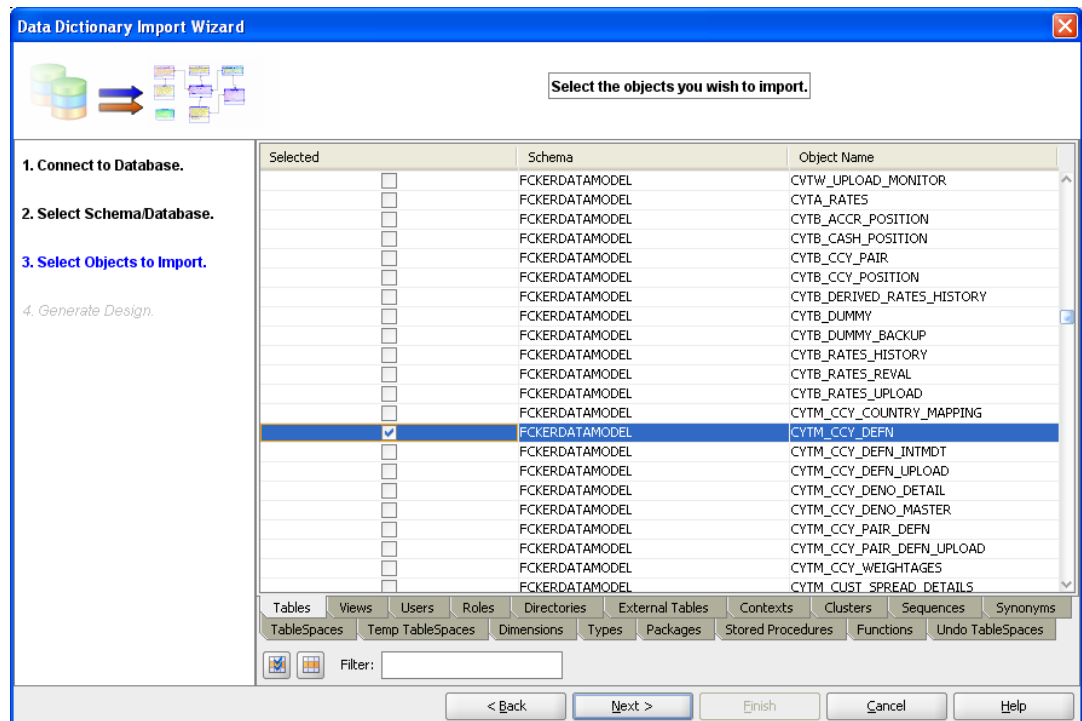
6. Click database connection row.

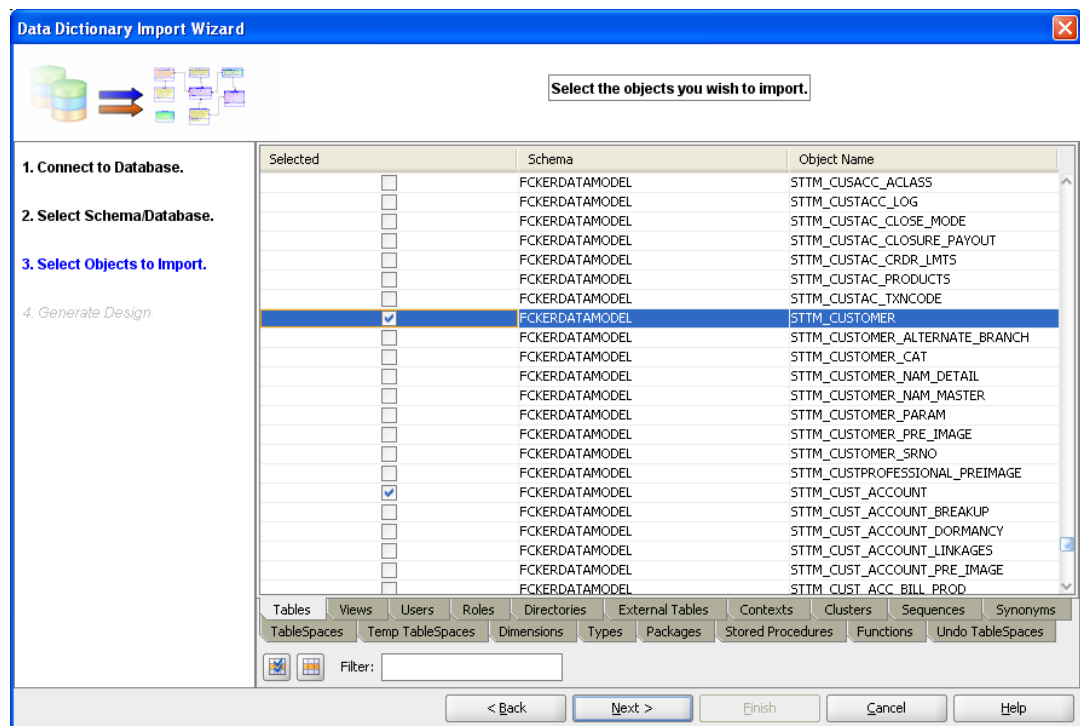


7. Select the database schema name.

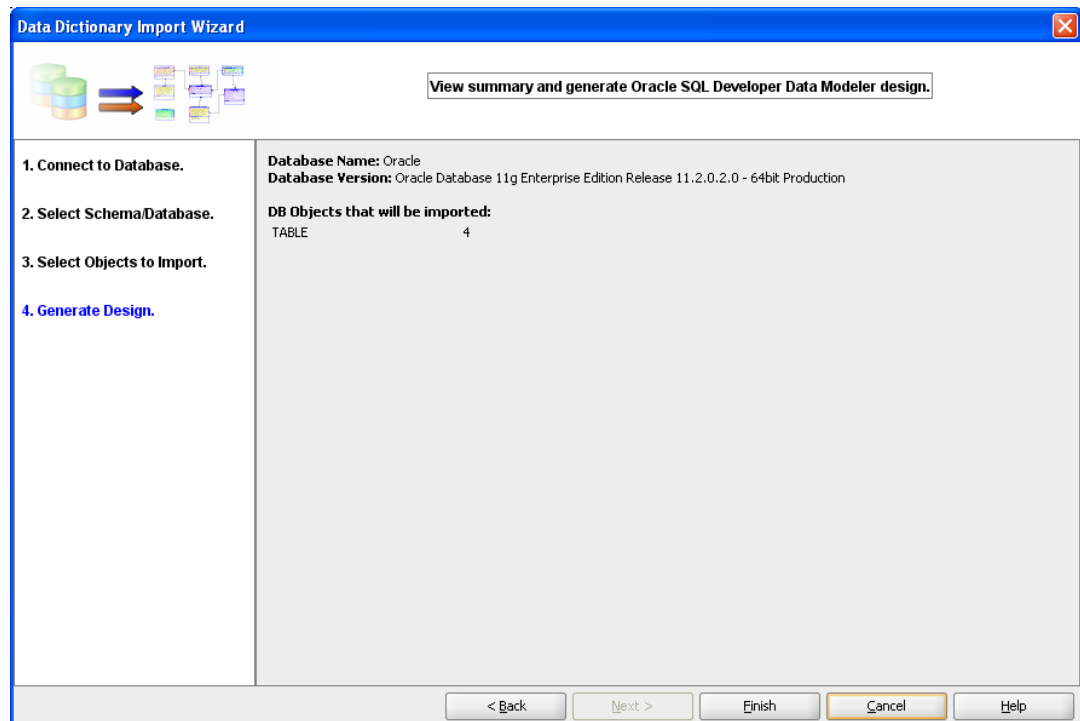


8. Select the entities(tables) that are to be used in ER diagram.

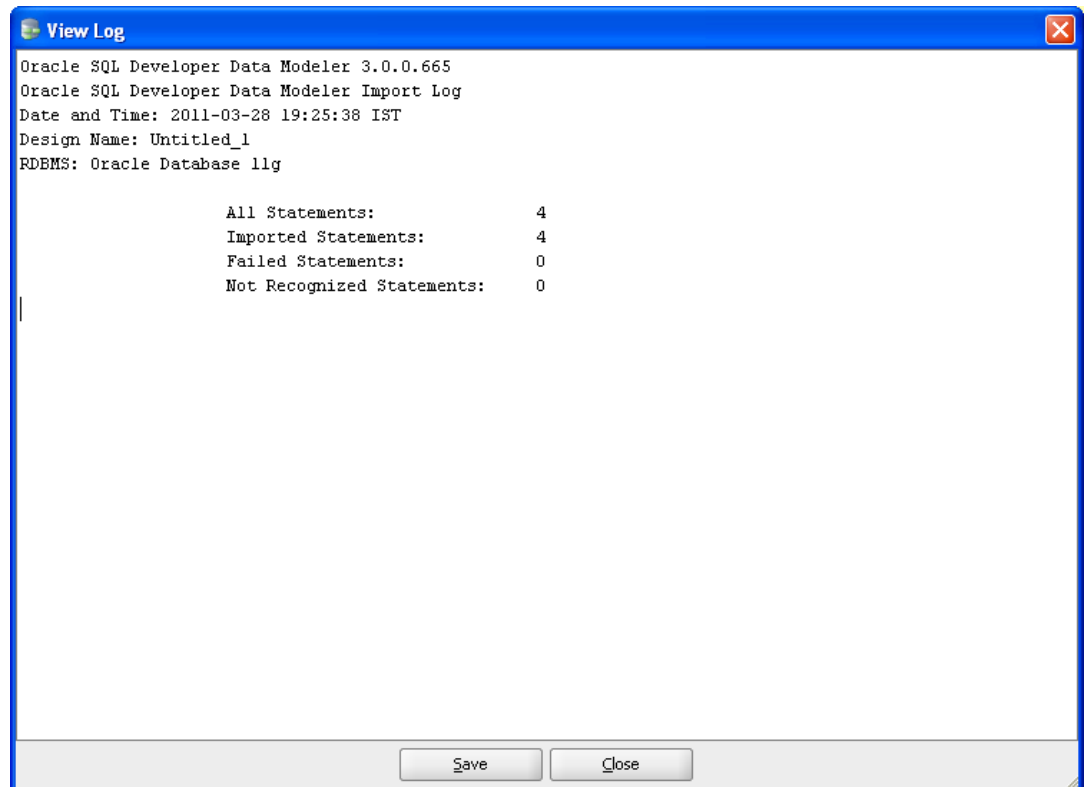
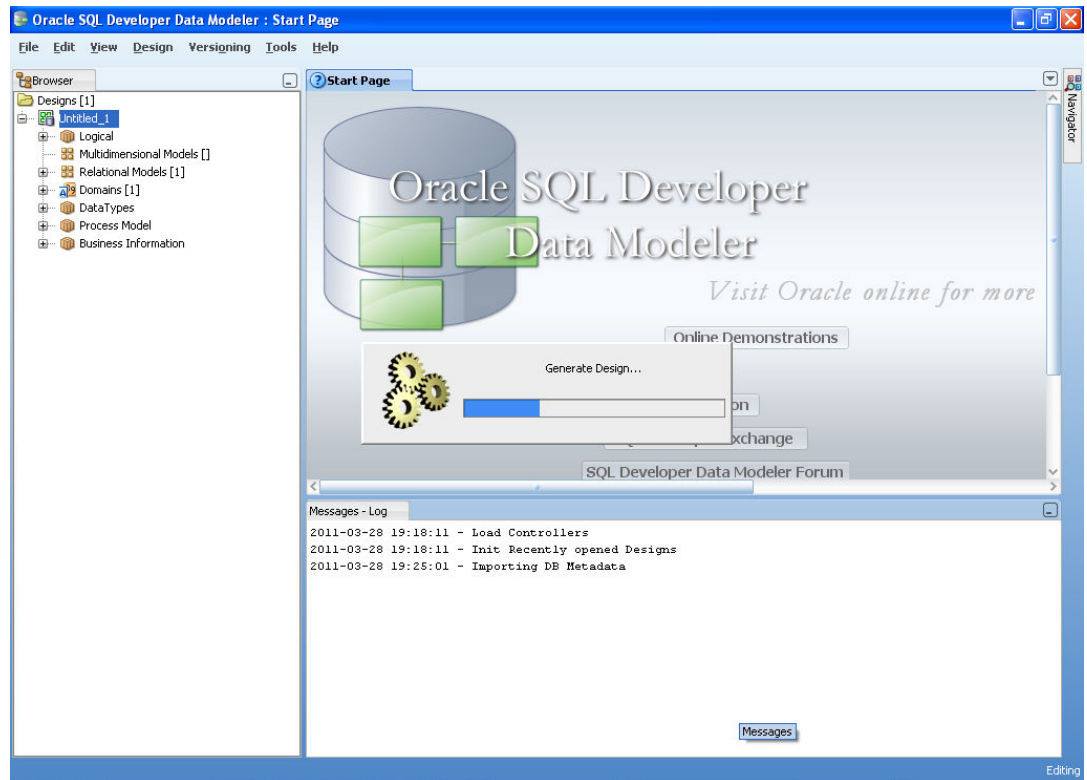


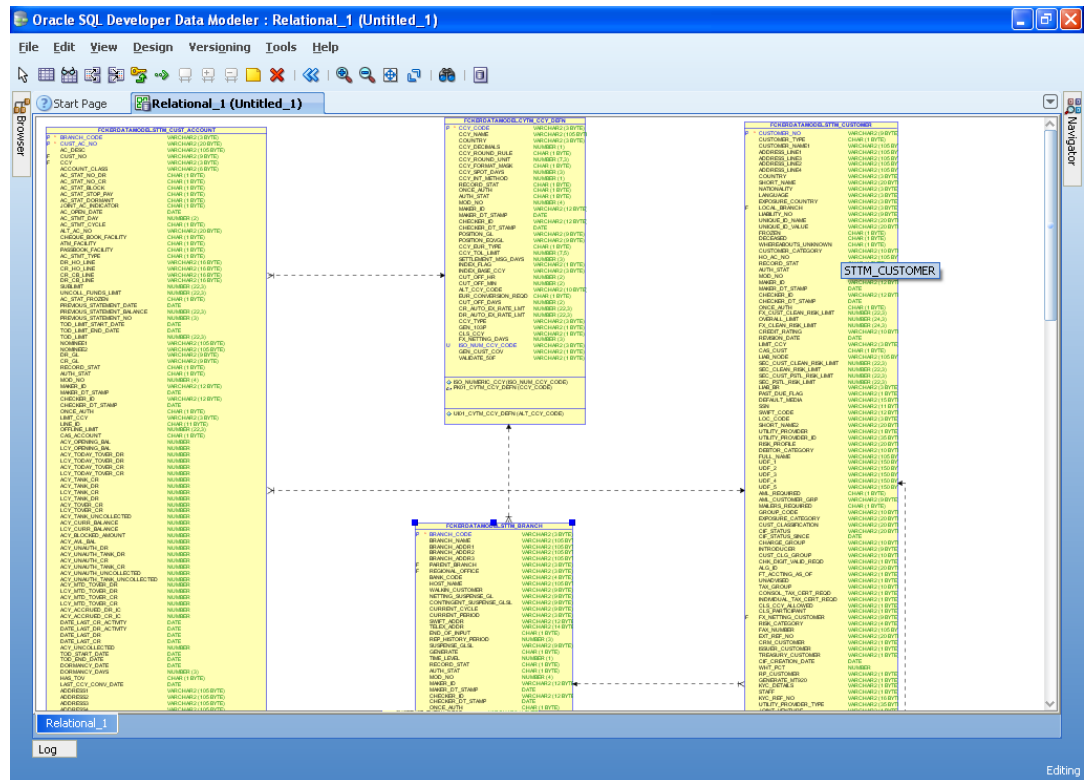


9. Click **Next**.

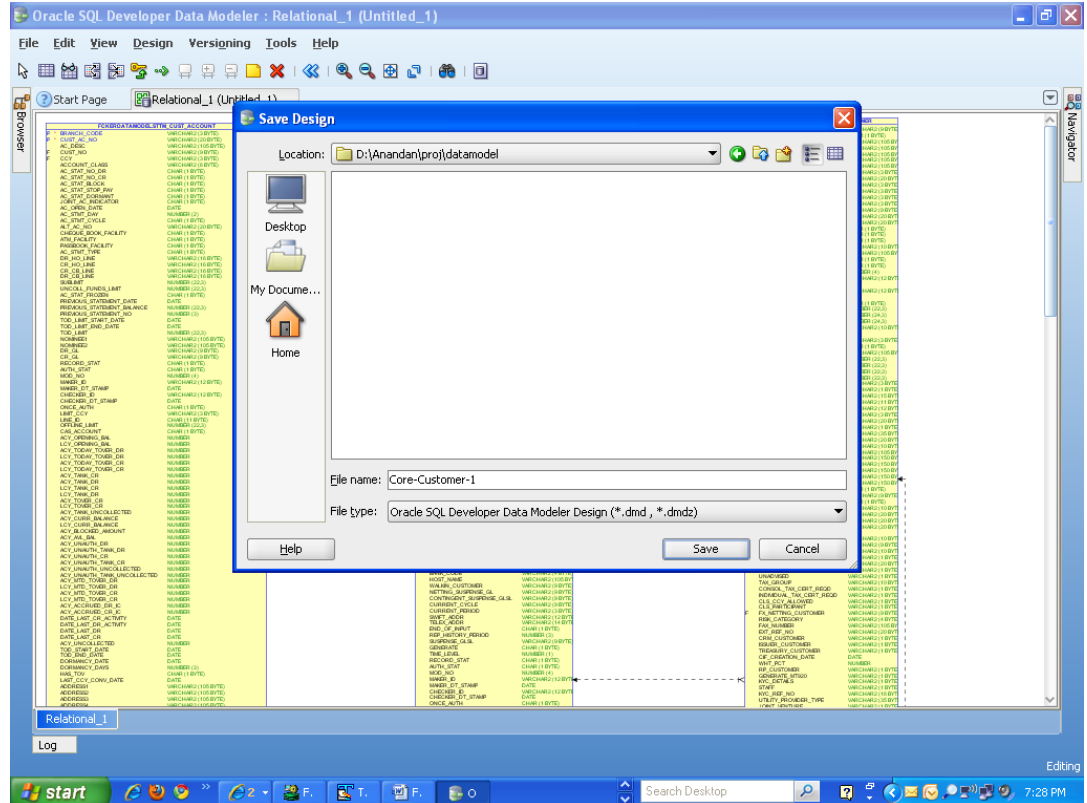


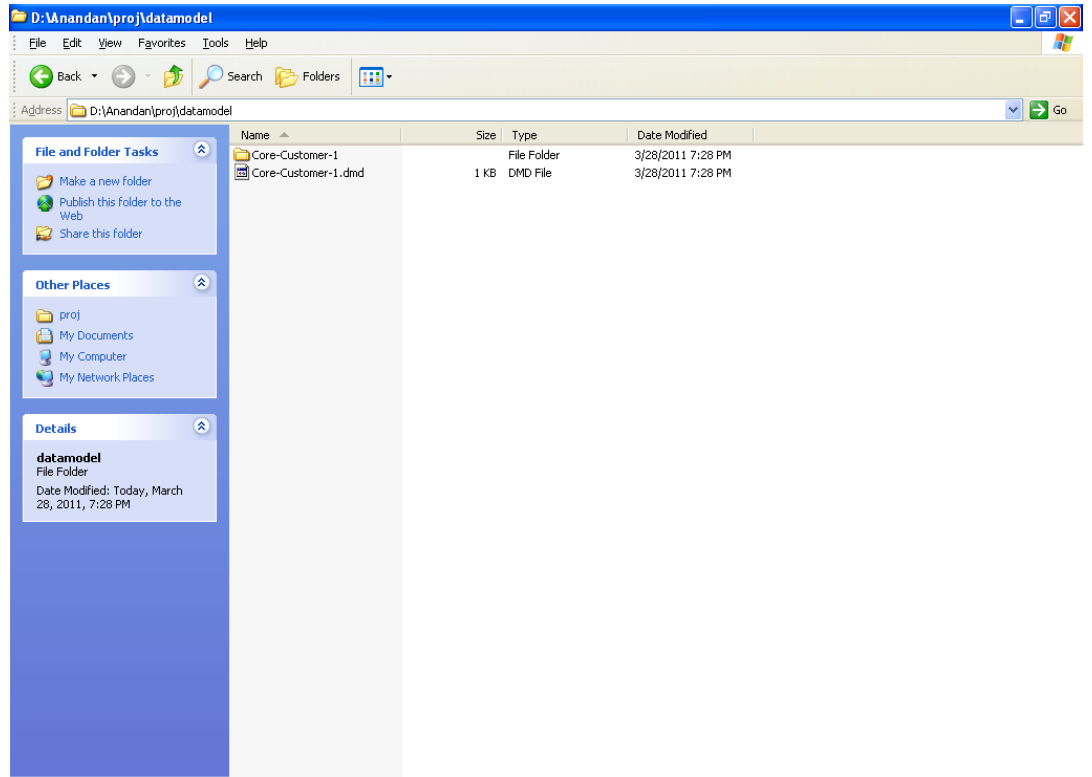
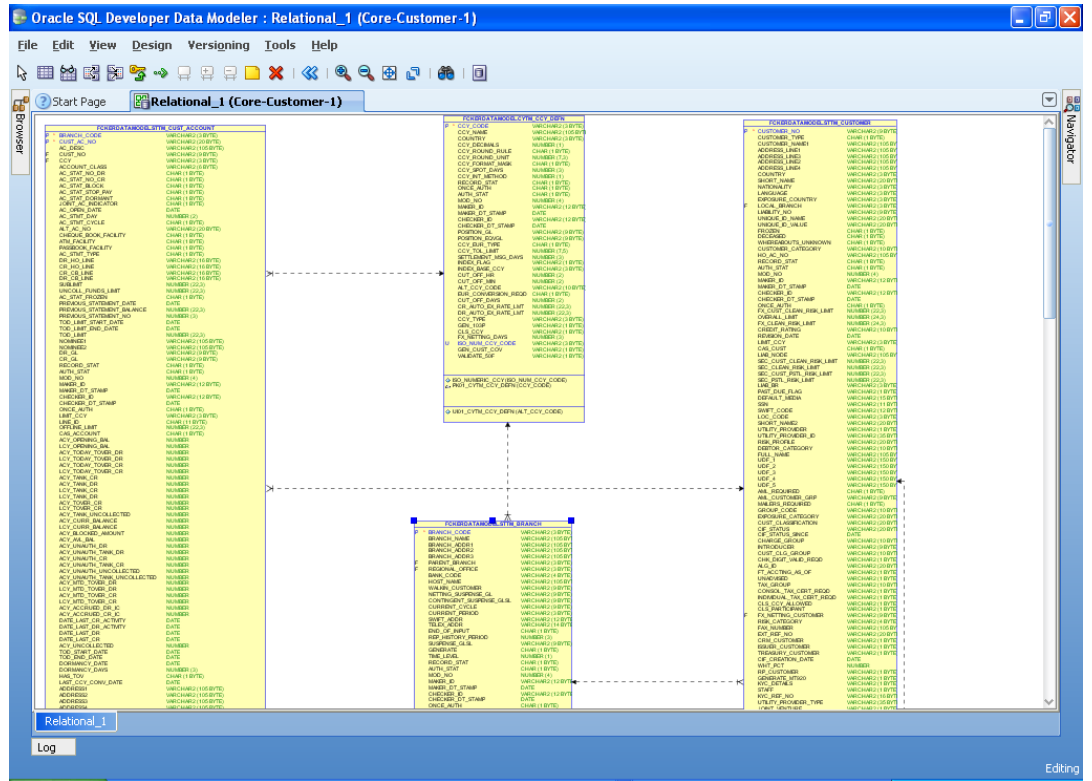
10. Click **Finish**.





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





Index

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Creating Data Model and ER diagram, [1-2](#)