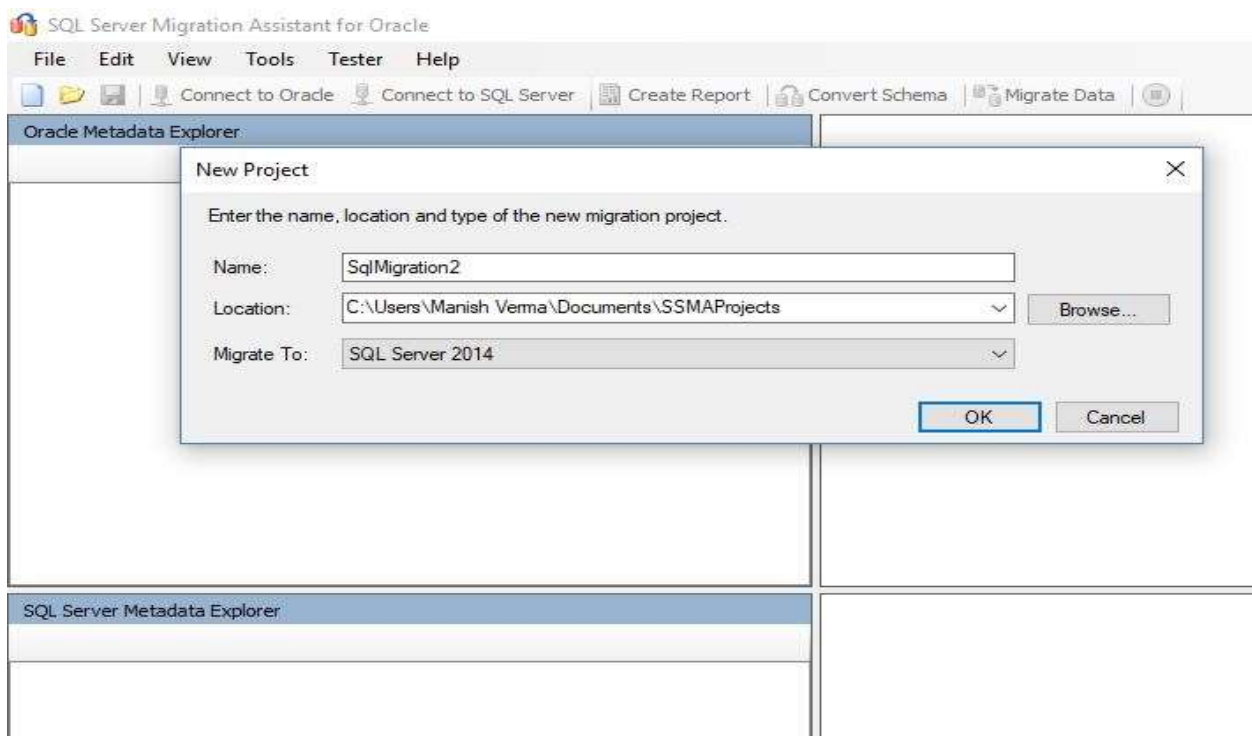



To successfully migrate objects and data from Oracle databases to SQL Server, use the following process:

1. [Create a new SSMA project.](#)

After you create the project, you can set project conversion, migration, and type mapping options. For information about project settings, see [Setting Project Options \(OracleToSQL\)](#). For information about how to customize data type mappings, see [Mapping Oracle and SQL Server Data Types \(OracleToSQL\)](#).

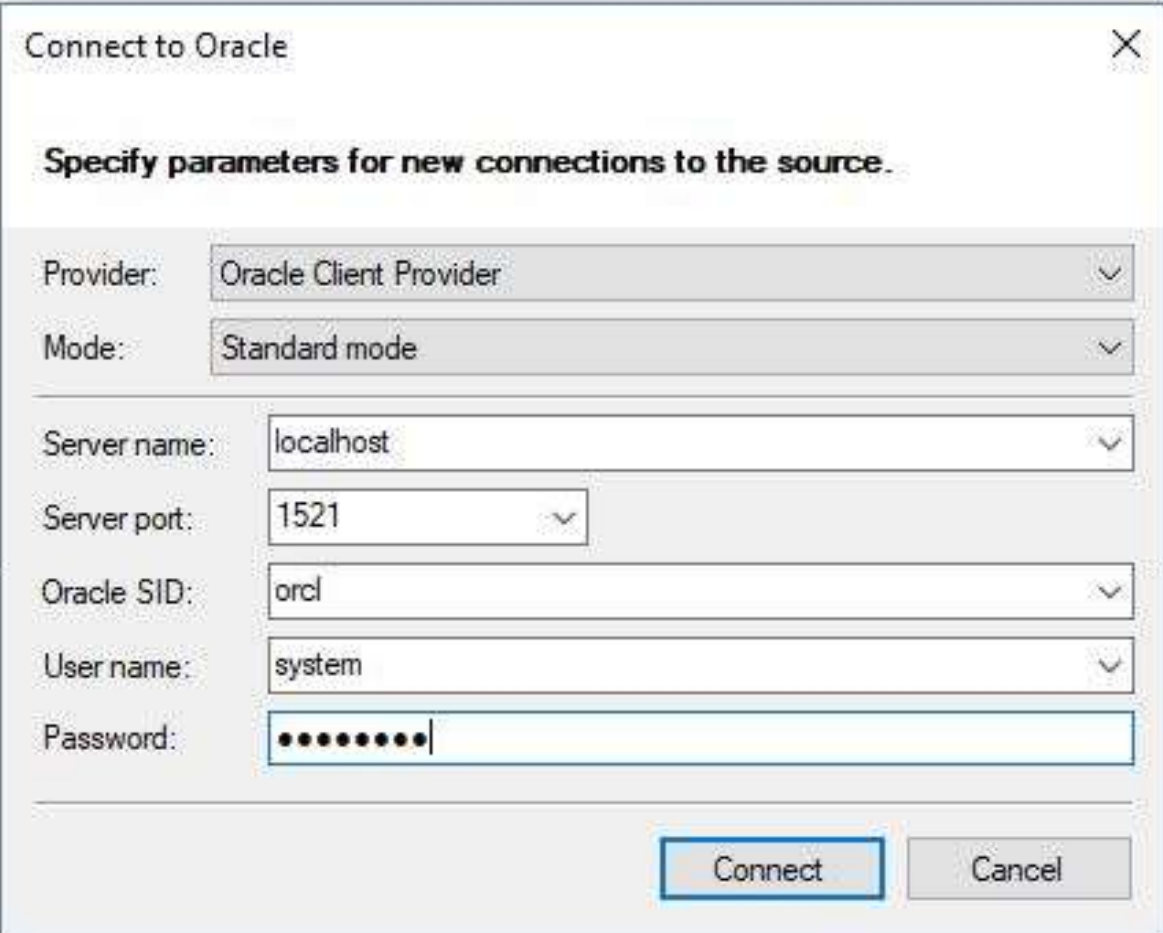
First, we will download SSMA (SQL Server Migration Assistant).



Click on  Connect to Oracle

Choose connection type.

2. [Connect to the Oracle database server.](#)



The image shows a 'Connect to Oracle' dialog box with a close button (X) in the top right corner. Below the title bar, it says 'Specify parameters for new connections to the source.' The dialog contains several input fields: 'Provider' is a dropdown menu showing 'Oracle Client Provider'; 'Mode' is a dropdown menu showing 'Standard mode'; 'Server name' is a dropdown menu showing 'localhost'; 'Server port' is a dropdown menu showing '1521'; 'Oracle SID' is a dropdown menu showing 'orcl'; 'User name' is a dropdown menu showing 'system'; and 'Password' is a text field with ten dots. At the bottom right, there are two buttons: 'Connect' and 'Cancel'.

Connect to Oracle

Specify parameters for new connections to the source.

Provider: Oracle Client Provider

Mode: Standard mode

Server name: localhost

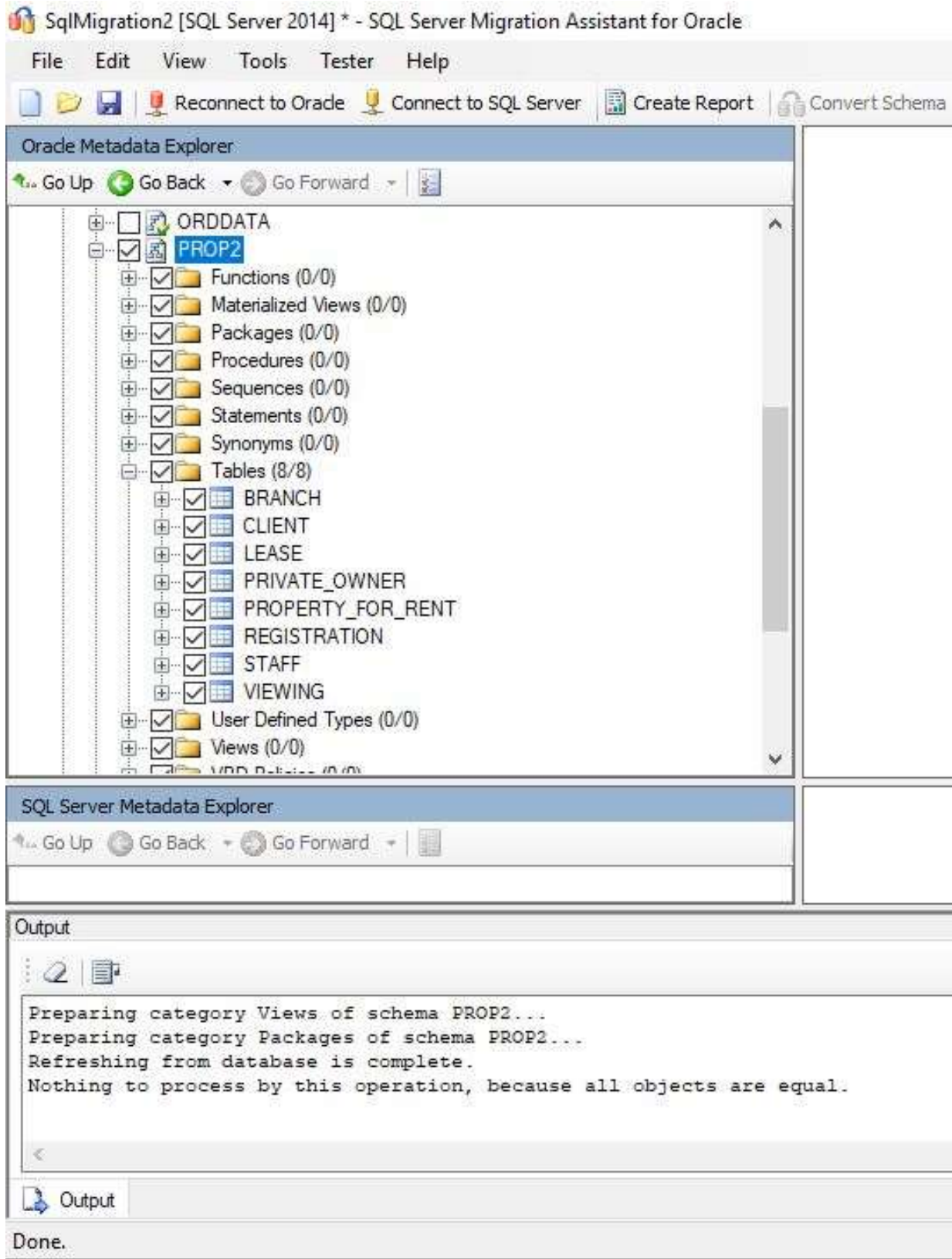
Server port: 1521

Oracle SID: orcl

User name: system

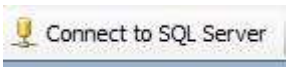
Password:

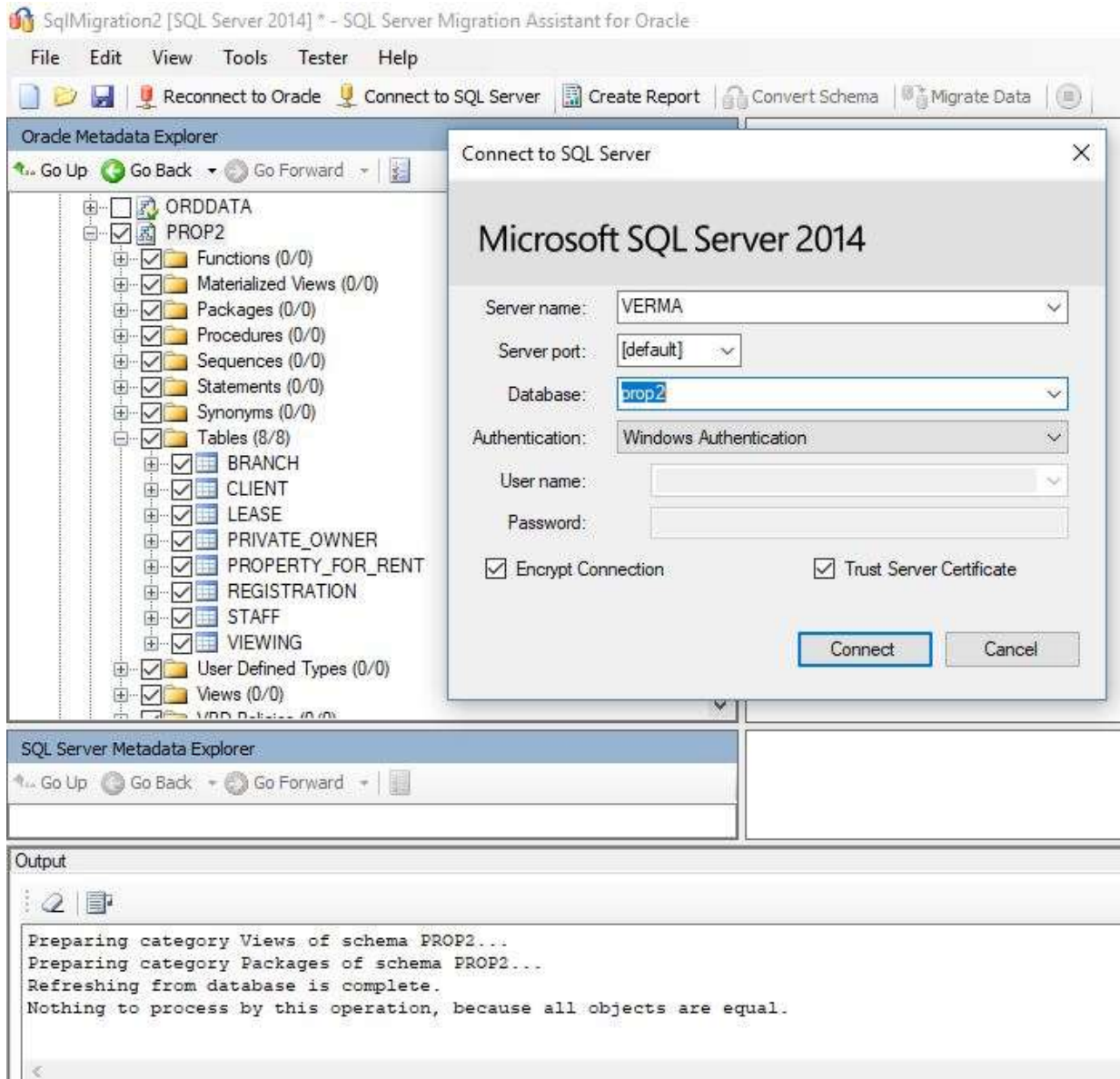
Connect Cancel



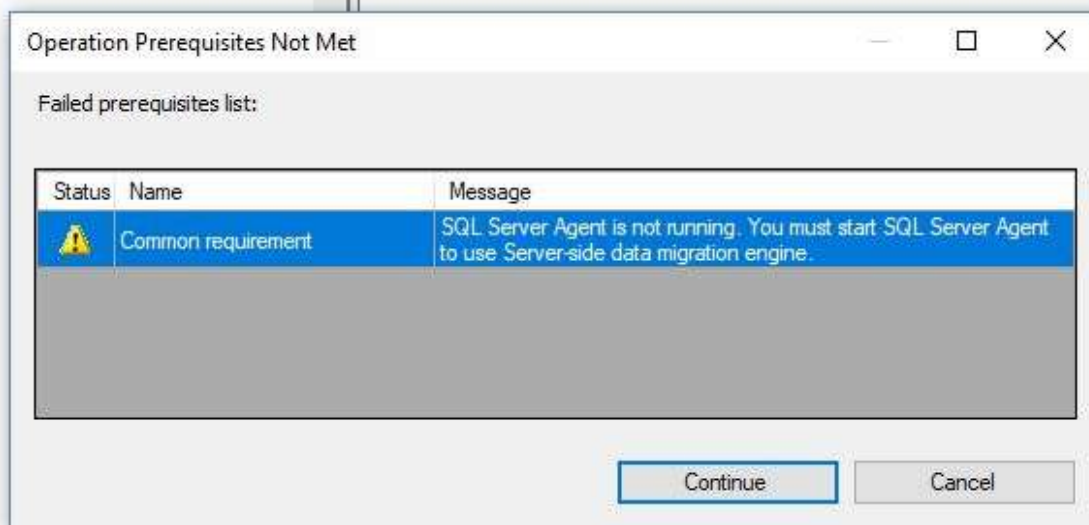
In my case its name is Prop2. Check the boxes of Prop2.

3. Connect to an instance of SQL Server.

Click on  to connect SQL Server.

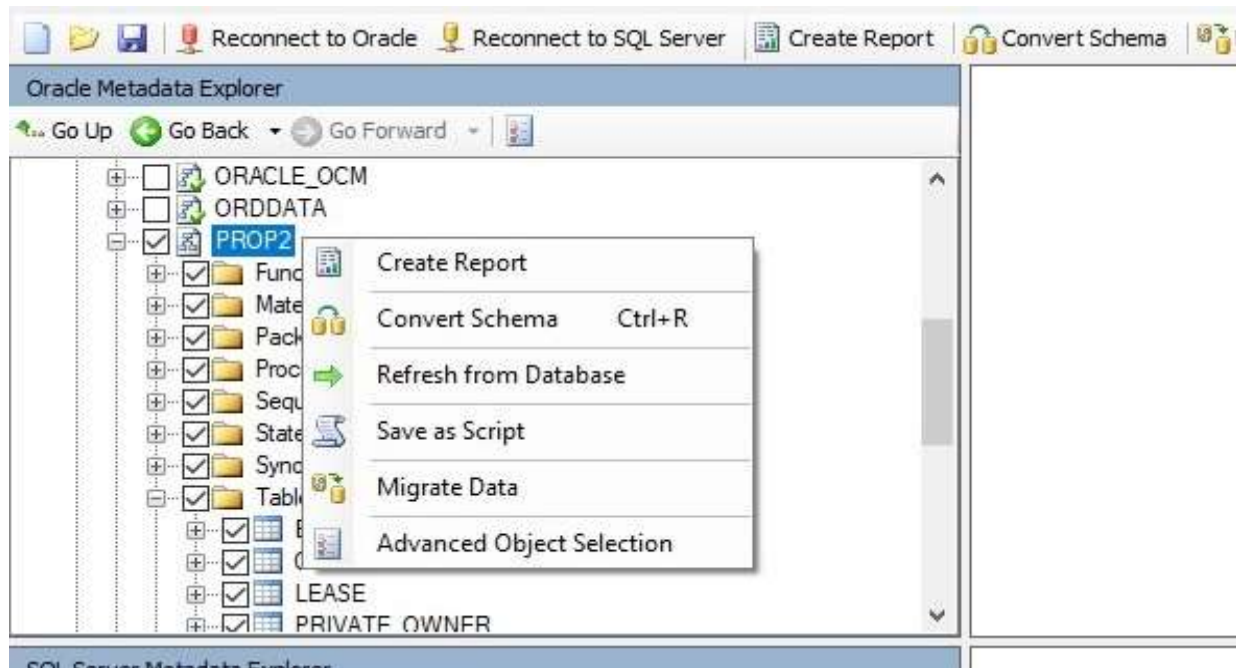


This screen will appear. Click on Connect.



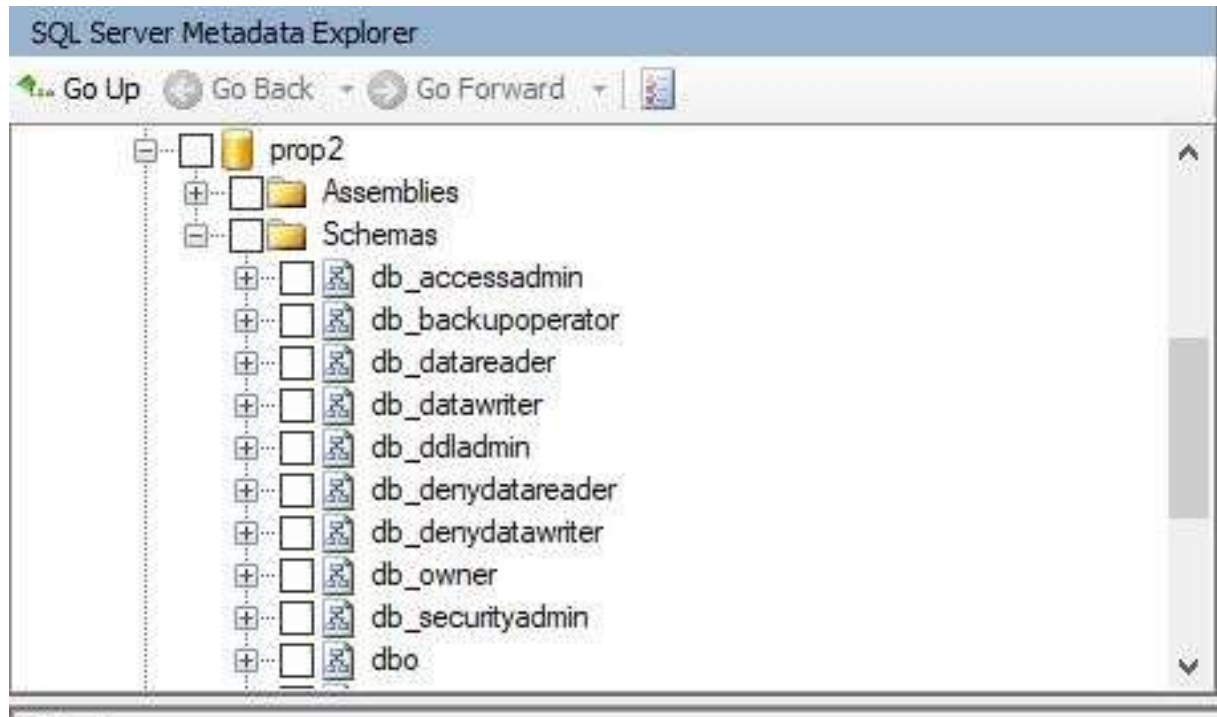
Click on Continue.

4. [Map Oracle database schemas to SQL Server database schemas.](#)



Right Click on PROP2 and click on "Convert Schema"

5. Convert Oracle database schemas into SQL Server schemas.

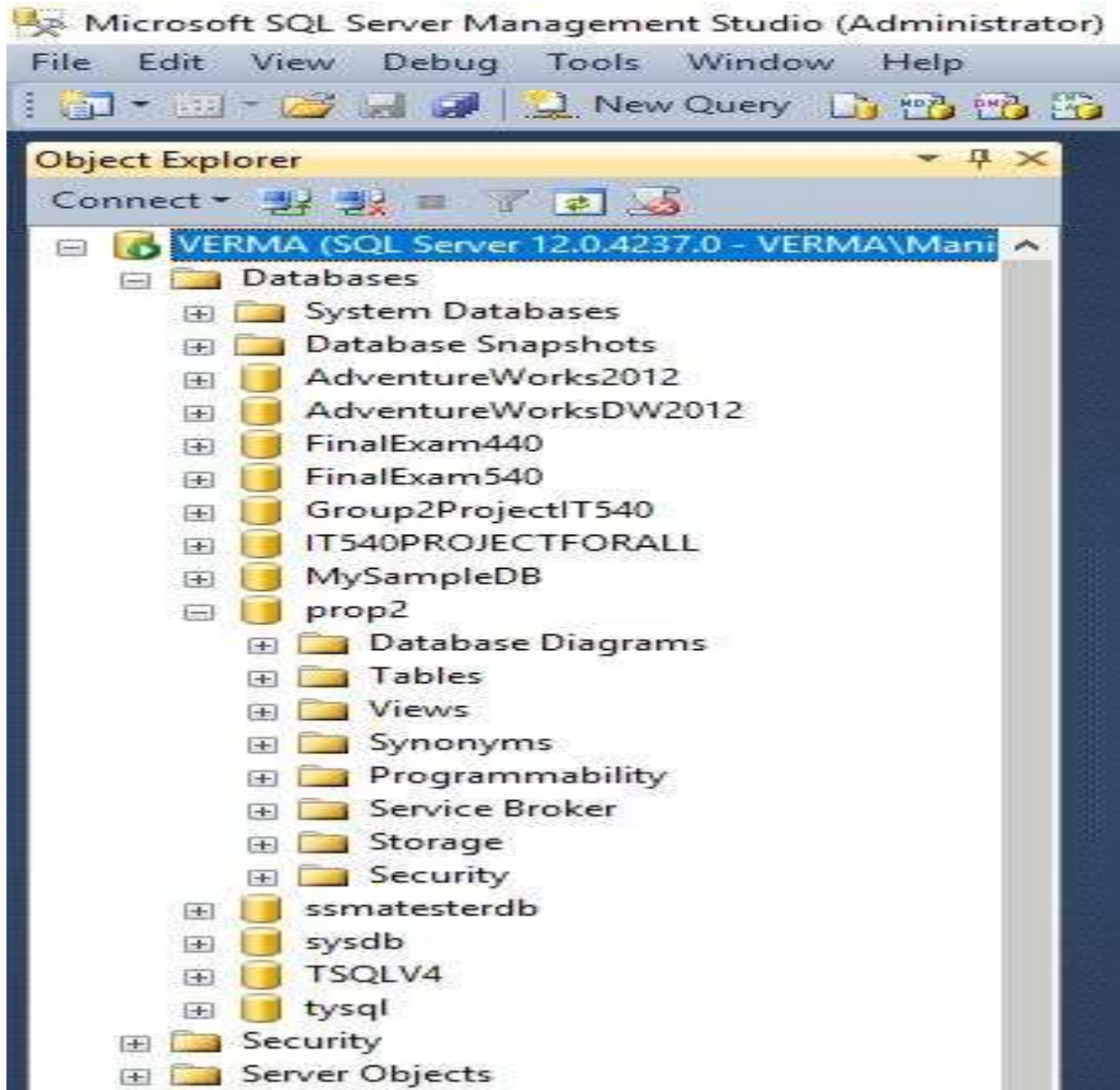


Now, open your SQL Server. In my case it is SQL Server 2014.

6. Load the converted database objects into SQL Server.

You can do this in one of the following ways:

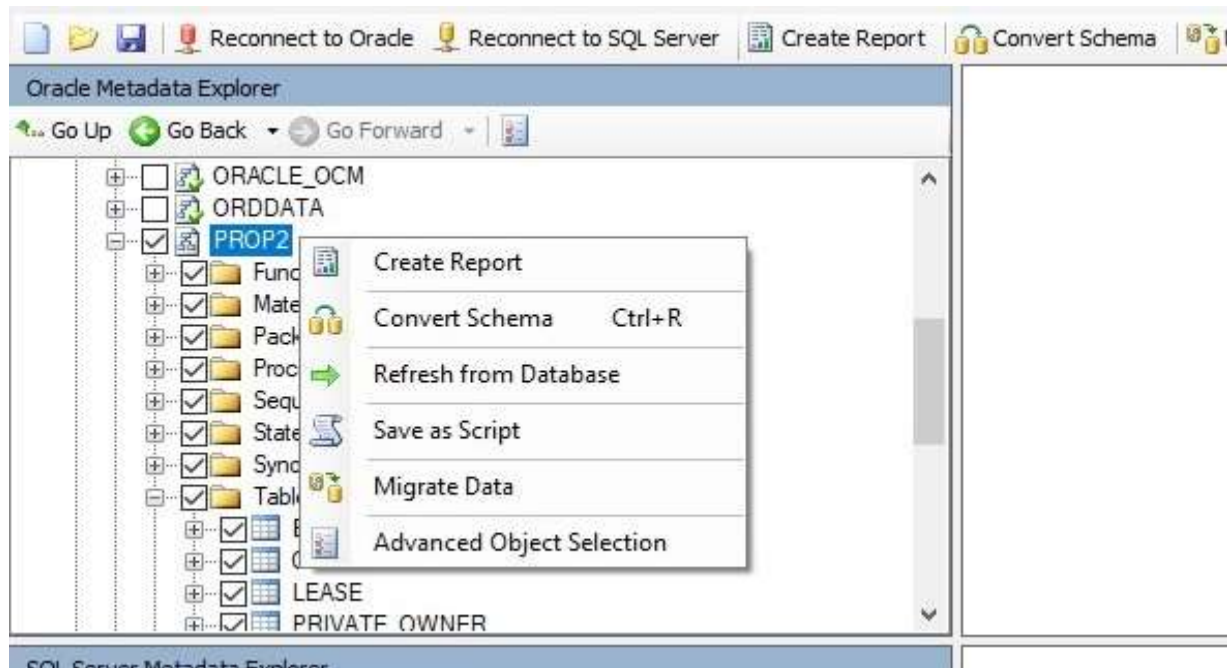
- Save a script and run it in SQL Server.
- Synchronize the database objects.



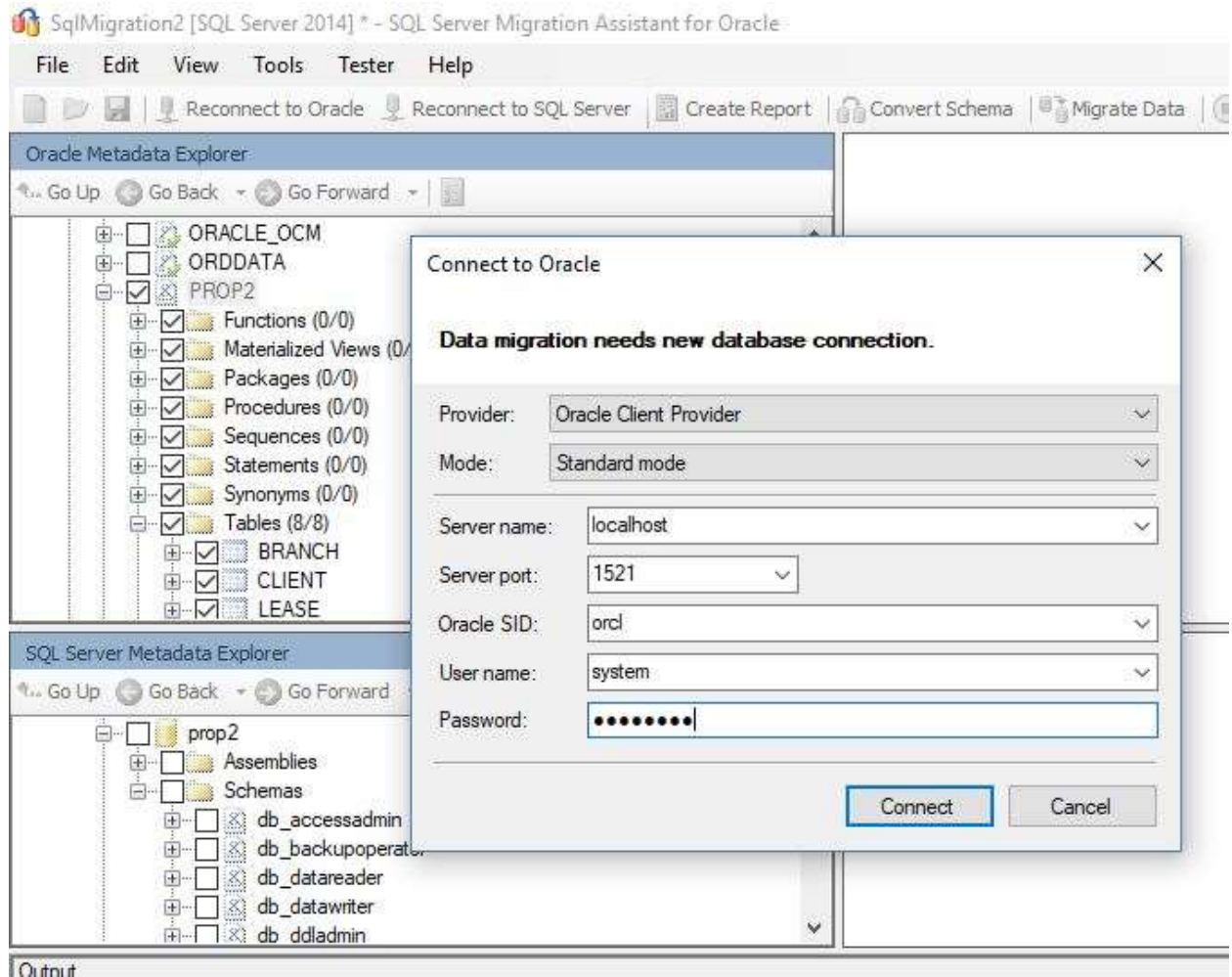
Here, you can see it is already created prop2 database in SQL Server.

You can click on  refresh button if it's not showing.

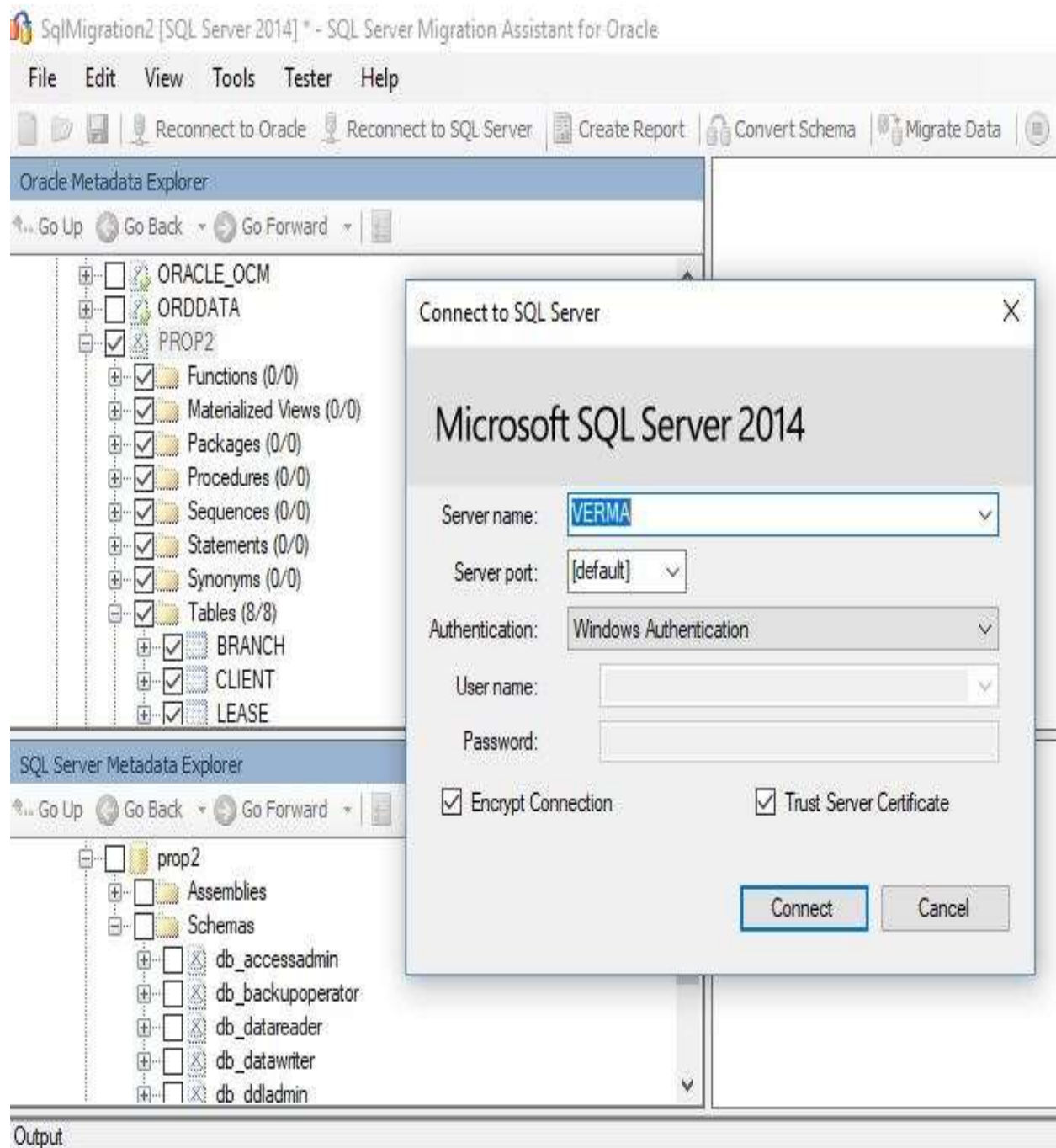
7. Migrate data to SQL Server.



Right click on PROP2 in SSMA and select Migrate Data. This will migrate data from Oracle to SQL Server.



It will again ask for connection to Oracle. Click on Connect.



Then, it will ask to connect SQL Server for Migrating Data. Click on Connect.

Status	From	To	Total Rows	Migrated Rows	Success Rate	Duration (DD:HH:MM:SS:MS)
	"PROP2"."REGISTRATION"	[prop2].[PROP2].[REGISTRATION]	0	0	100.00%	00:00:00:00:093
	"PROP2"."LEASE"	[prop2].[PROP2].[LEASE]	23	23	100.00%	00:00:00:00:951
	"PROP2"."STAFF"	[prop2].[PROP2].[STAFF]	8	8	100.00%	00:00:00:00:301
	"PROP2"."PRIVATE_OWNER"	[prop2].[PROP2].[PRIVATE_OWNER]	4	4	100.00%	00:00:00:00:718
	"PROP2"."CLIENT"	[prop2].[PROP2].[CLIENT]	12	12	100.00%	00:00:00:01:183
	"PROP2"."VIEWING"	[prop2].[PROP2].[VIEWING]	23	23	100.00%	00:00:00:00:268
	"PROP2"."BRANCH"	[prop2].[PROP2].[BRANCH]	3	3	100.00%	00:00:00:01:333
	"PROP2"."PROPERTY_FOR_RENT"	[prop2].[PROP2].[PROPERTY_FOR_RENT]	0	0	100.00%	00:00:00:00:157

finished.

After successfully migrating Data, this screen will appear. Either you can save it or close it.

SQLQuery1.sql - VERMA.prop2 (VERMA\Manish Verma (53)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

prop2 Execute Debug

Object Explorer

- Connect
- VERMA (SQL Server 12.0.4237.0 - VERMA\Mani)
 - Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2012
 - AdventureWorksDW2012
 - FinalExam440
 - FinalExam540
 - Group2ProjectIT540
 - IT540PROJECTFORALL
 - MySampleDB
 - prop2
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - PROP2.BRANCH
 - PROP2.CLIENT
 - PROP2.LEASE
 - PROP2.PRIVATE_OWNER
 - PROP2.PROPERTY_FOR_RENT
 - PROP2.REGISTRATION
 - PROP2.STAFF
 - PROP2.VIEWING

SQLQuery1.sql - VE...Manish Verma (53)

```

/***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [BRANCHNO]
      ,[STREET]
      ,[CITY]
      ,[POSTCODE]
FROM [prop2].[PROP2].[BRANCH]
  
```

100 %

Results Messages

	BRANCHNO	STREET	CITY	POSTCODE
1	B008	12 Paul St	Preston	PR30JB
2	B009	32 Elizabeth St	Birmingham	BB17JE
3	B010	24 Kileen Dr	Manchester	KM41SA

This will appear in SQL Server, after successfully migrating Data. You can right click on any Table and select Top 1000 rows to see the Data.

8. If necessary, update database applications.