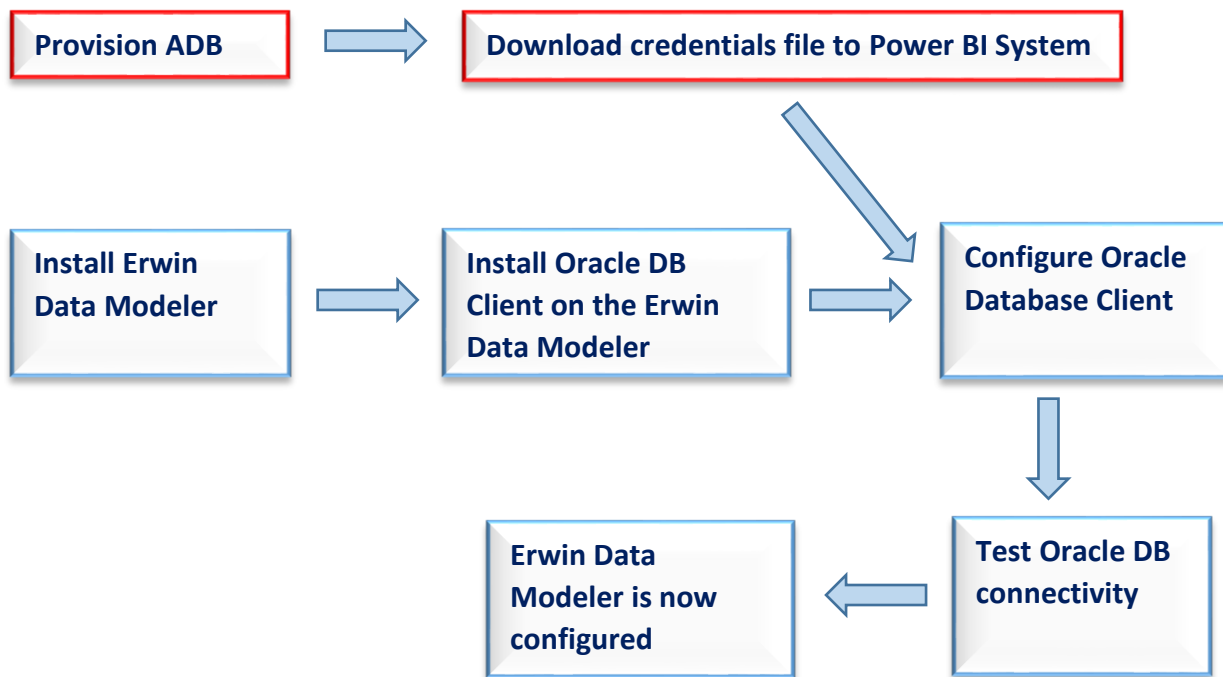


# Connecting Erwin Data Modeler to Oracle Autonomous Database

Pedro Torres

This step by step tutorial guides how to configure Erwin Data Modeler connectivity to Oracle Autonomous Database (ADB).

## Architecture Diagram



This document assumes that an ADB, such as Autonomous Data Warehouse (ADW) or Autonomous Transaction Processing (ATP), was provisioned.

Autonomous Database

Autonomous Databases in PEDROTOR Compartment

Create Autonomous Database

Display Name	Database Name	State	Dedicated Infrastructure	OCPU Count	Storage (TB)	Workload Type	Created
ADWPTR	ADWPTR	Available	No	1	1	Data Warehouse	Thu, Mar 12, 2020, 16:26:11 UTC

Displaying 1 Autonomous Database < Page 1 >

Autonomous Database Details

ADWPTR

DB Connection Performance

Autonomous Database

General Information

Database Name: ADWPTR

Workload Type: Data Warehouse

Compartment: oraclepar...

OCID: .zdbxmq Show

Created: Thu, Mar 12, 2020

OCPU Count: 1

\*Note: Please check here for the Oracle documentation to [provision ADW](#).

1. Download the corresponding credentials zip file to the system that has Erwin Data Modeler installed. These credential files will be used to connect Erwin Data Modeler to ADB.

ORACLE Cloud

Search for resources and services

Autonomous Database > Autonomous Database Details

ADWPTR

DB Connection Performance

Autonomous Database

General Information

Database Name: ADWPTR

Workload Type: Data Warehouse

Compartment: oraclepar...

OCID: .zdbxmq Show

Created: Thu, Mar 12, 2020

OCPU Count: 1

Database Connection

Help Close

You will need the client credentials and connection information to connect to your database. The client credentials include the wallet, which is required for all types of connections.

Download Client Credentials (Wallet)

To download your client credentials, select the type of wallet, then click **Download Wallet**. You will be asked to create a password for the wallet.

Wallet Type

Instance Wallet

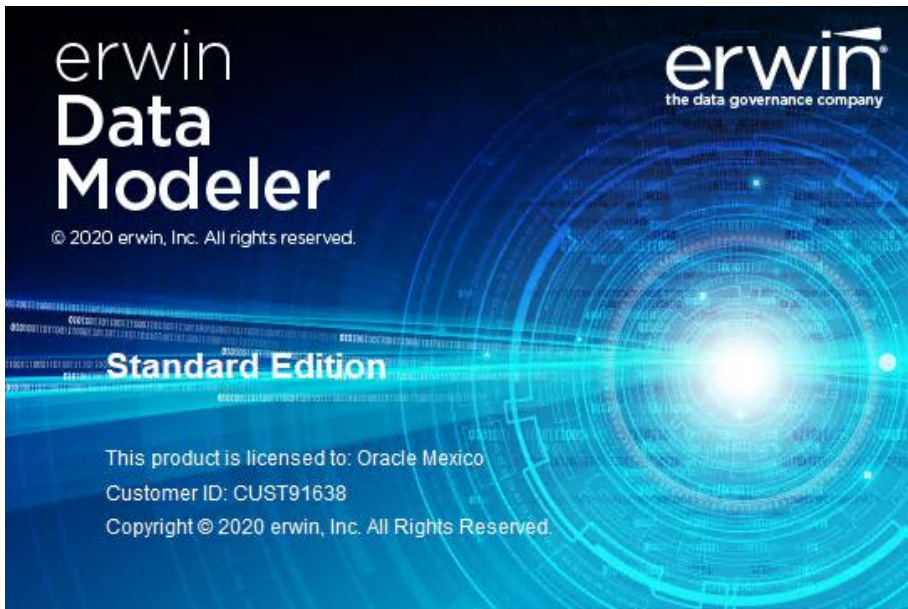
Download Wallet Rotate Wallet

Wallet last rotated: -

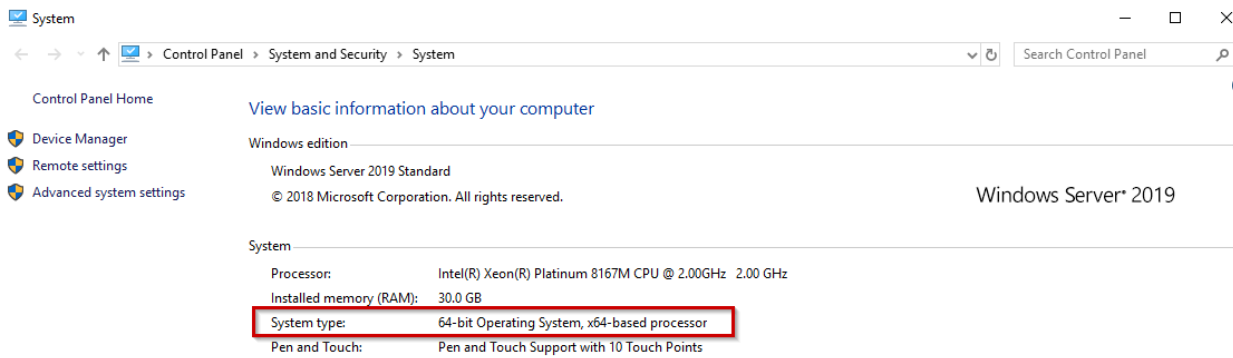
Close

\*Note: Also check Downloading Client Credentials (Wallets).

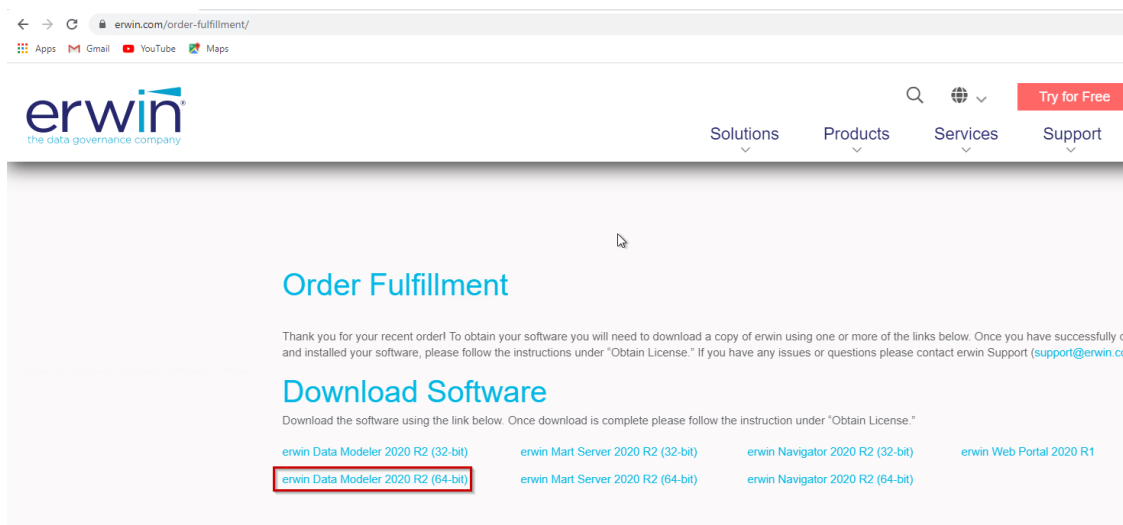
2. Download and Install Erwin Data Modeler – <https://erwin.com/order-fulfillment/>



3. Validate if you are using Windows version for 32-bit or 64-bit. Control Panel -> System and Security -> System



4. In this case is for 64 bits

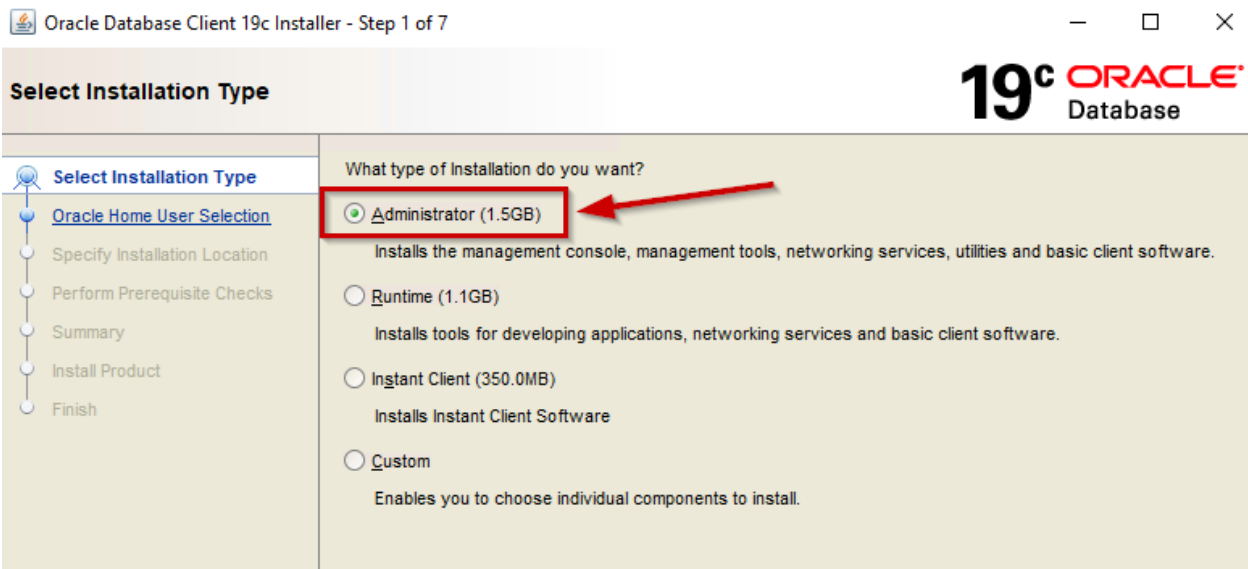


- The following instructions assume you are using 64-bit. If you are using 32-bit, the instructions are the same, except to download the 32-bit Erwin Data Modeler.
- Download Oracle Client 19.3 of this Oracle.com web page:

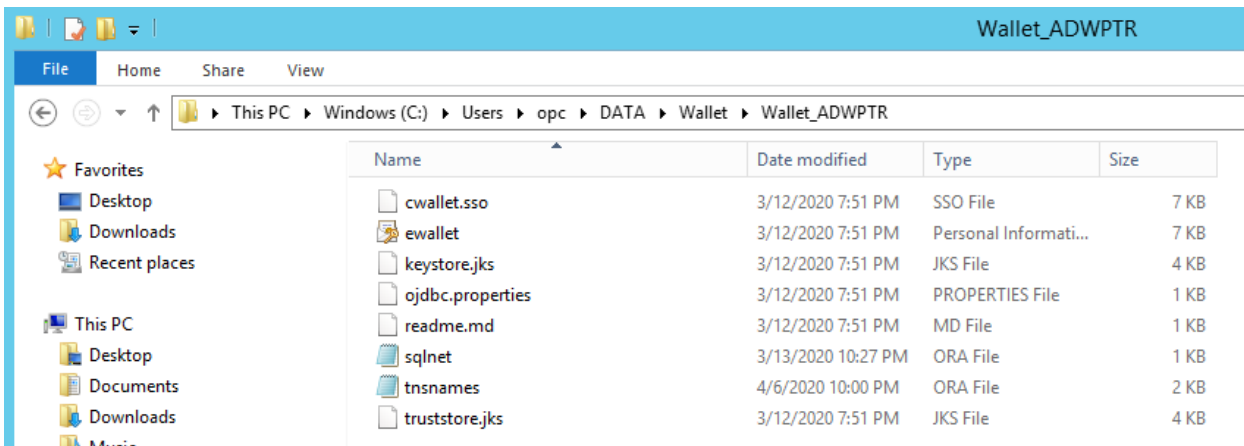
<https://www.oracle.com/database/technologies/oracle19c-windows-downloads.html>

Download	Description
<a href="#">↓ WINDOWS.X64_193000_client_home.zip</a>	(64-bit) (924,022,453 bytes) (sha256sum - a7d5ba7d3dac84fceb5ddb50aeed3125b52d94f26bab9924bdab6f6d00d2c7e )
<a href="#">↓ WINDOWS.X64_193000_client.zip</a>	(64-bit) (1,043,502,535 bytes) (sha256sum - 3fa278fe33e0cd3bbbed6c84f34b5698962c1feeb74cced1c9713435ebdb2a24f )

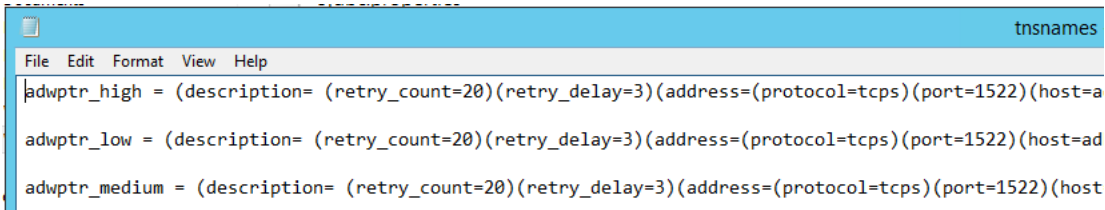
- Install the Client.



- Navigate to where you downloaded the Oracle ADB credentials. Unzip the contents to a directory.

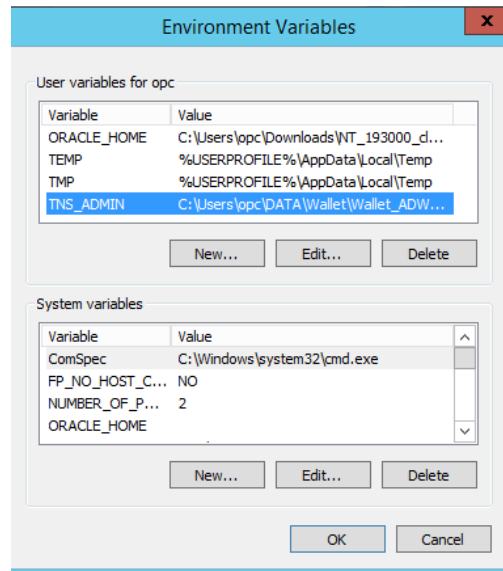


9. I will use Physical according the TNSNAMES.ora in the wallet file



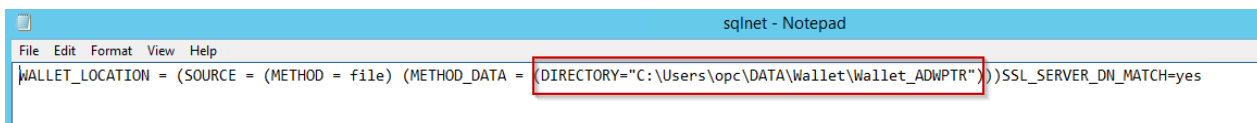
```
adwptr_high = (description= (retry_count=20)(retry_delay=3)(address=(protocol=tcps)(port=1522)(host=a
adwptr_low = (description= (retry_count=20)(retry_delay=3)(address=(protocol=tcps)(port=1522)(host=ad
adwptr_medium = (description= (retry_count=20)(retry_delay=3)(address=(protocol=tcps)(port=1522)(host
```

10. In the Windows environment variables dialog, create the TNS\_ADMIN variable and set it to the directory location where you unzipped the ADB credentials.



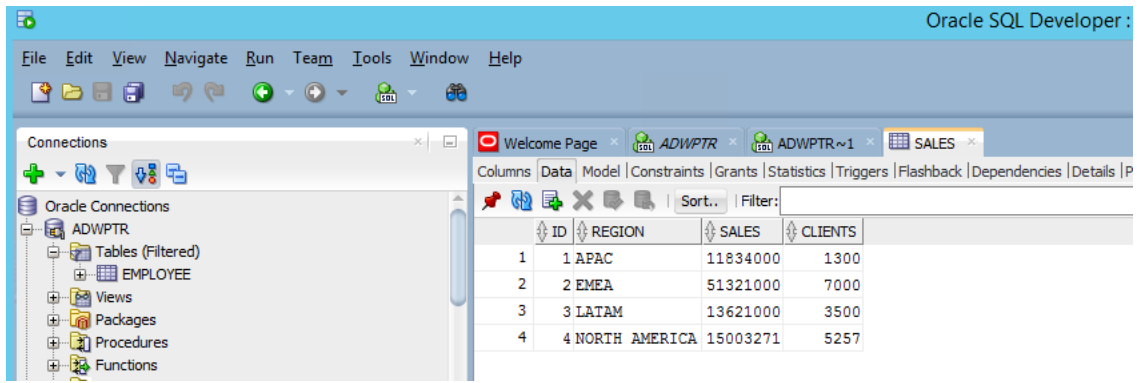
\*Note: The tnsnames.ora net service names will be used to connect to ADB.

11. Modify the sqlnet.ora file. Change the directory location where the wallet (cwallet.sso) has been unzipped. It is recommended you remove the quotes around the directory location as well.

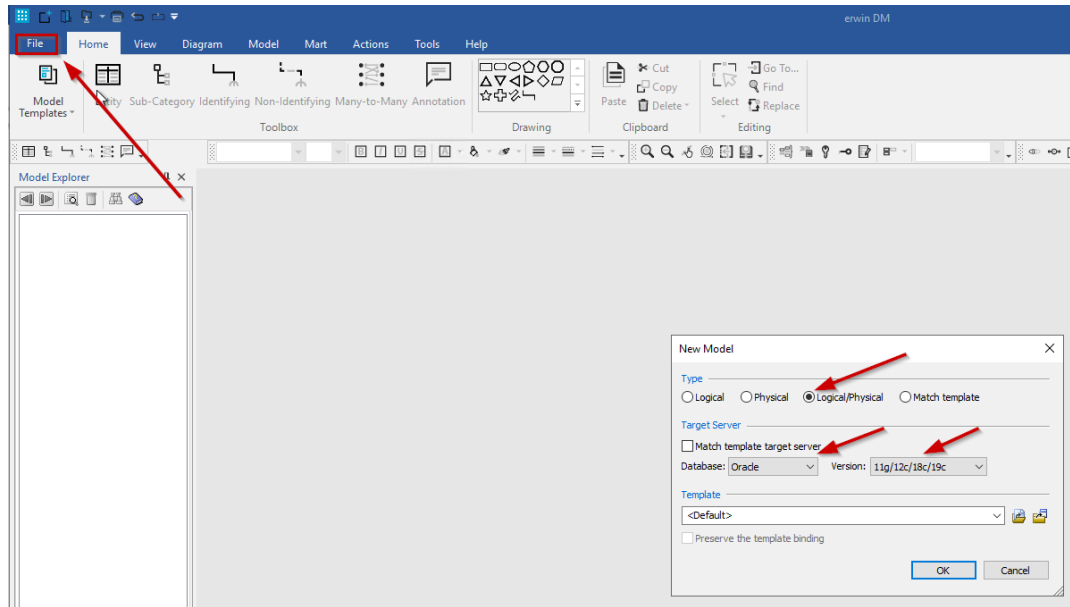


```
WALLET_LOCATION = (SOURCE = (METHOD = file) (METHOD_DATA = (DIRECTORY=C:\Users\opc\DATA\Wallet\Wallet_ADWPTR)))SSL_SERVER_DN_MATCH=yes
```

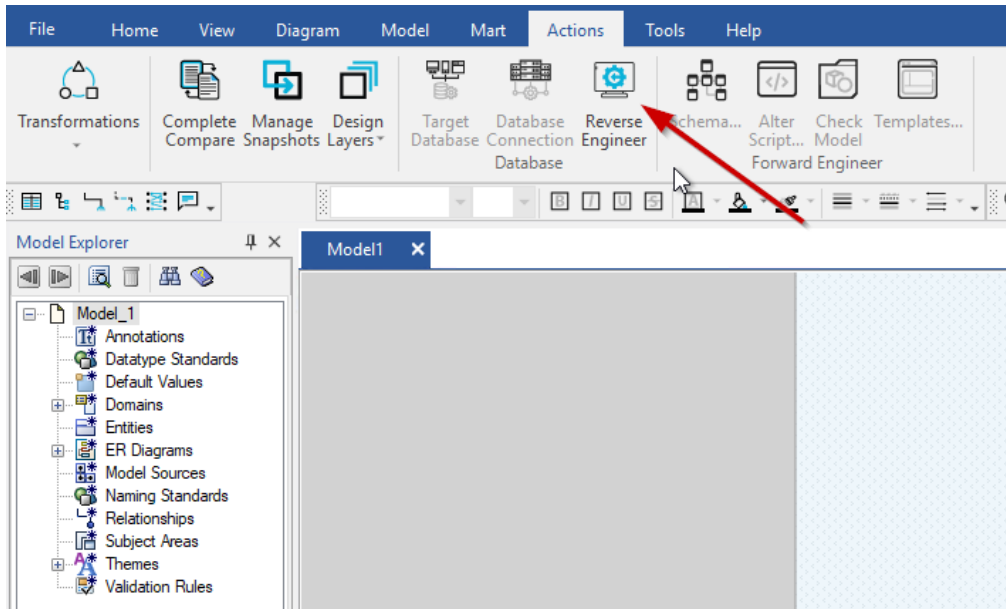
12. Validate that the Oracle Database Client can communicate with ADW, and since it is installed on the same system as the Erwin Data Modeler, it ensures that Erwin to ADW is also configured correctly. (you can use SQLDeveloper to validate)



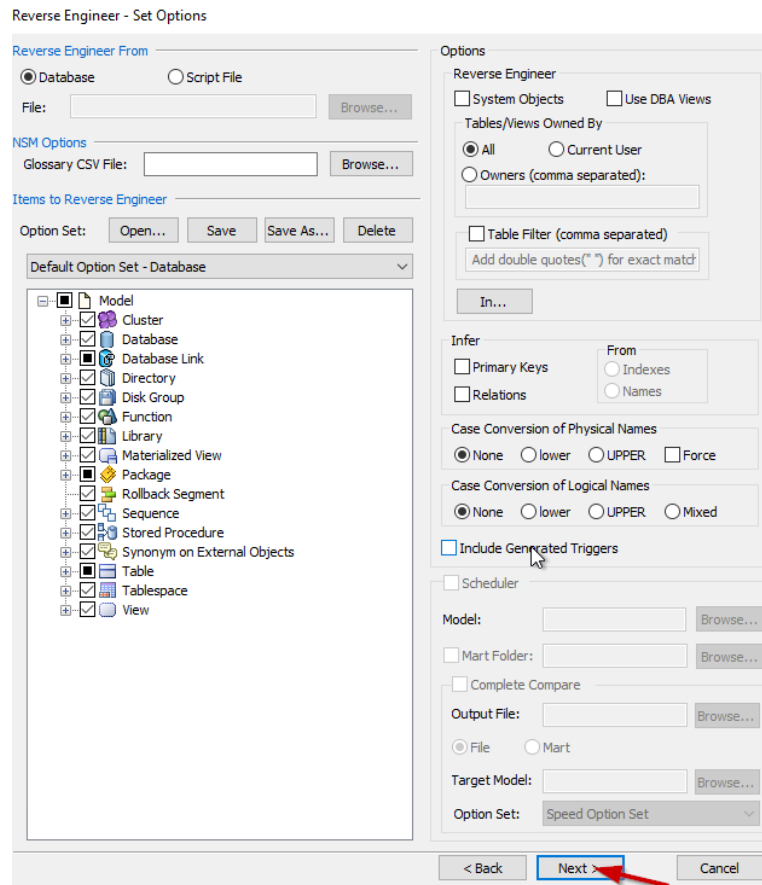
13. Open Erwin Data Modeler and create a file.



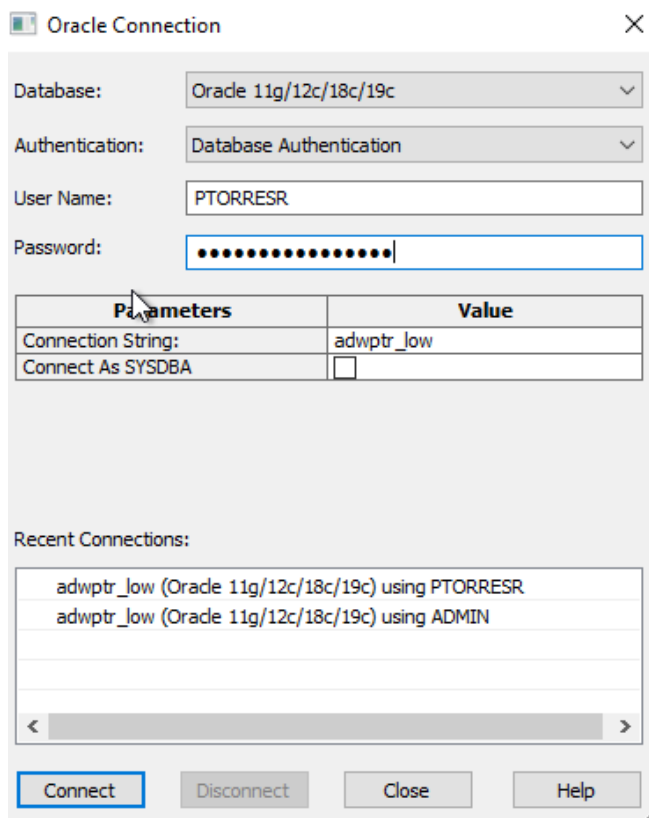
## 14. Use reverse Engineer



## 15. Select the objects that you need validate in your Reverse Engineer file.



16. Connect to user that you need to do reverse Engineer and retrieve the information (in this case PTORRESR):



17. Validate report from the ADW

