



## **Toad DM to erwin DM Bridge**

**Release v1.0**

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## Introduction

Starting erwin Data Modeler release 2021 R1, erwin offers a bridge, Toad DM to erwin DM Bridge, between two powerful products, Toad Data Modeler and erwin Data Modeler. The primary purpose of Toad DM to erwin DM Bridge is to convert Toad Data Modeler files to erwin Data Modeler (DM) compatible files. Thus, enabling you to use erwin Data Modeler to work on your data models created using Toad Data Modeler. Toad DM to erwin DM Bridge supports with the following databases:

- Azure SQL
- Oracle
- SQL Server
- Teradata

During data model conversion, to make your Toad data models compatible with erwin DM, the bridge ensures that the converted model follows erwin DM's model object naming convention. For the complete object mapping between Toad Data Modeler and erwin DM, refer to the [Reference: Object Mapping between Toad DM and erwin DM](#) topic.

You can retain your model templates. For more information on retaining templates, refer to the [Exporting and Applying Templates](#) topic.

Further, the bridge provides connectivity to erwin Mart Server (MS); where you can store your rich data models in a mart repository.

For further information on accessing and using Toad DM to erwin DM Bridge, refer to the [Using Toad DM to erwin DM Bridge](#) topic.

## Installing Toad DM to erwin DM Bridge

Download the Toad DM to erwin DM Bridge installer from the [support](#) site.

### Prerequisites

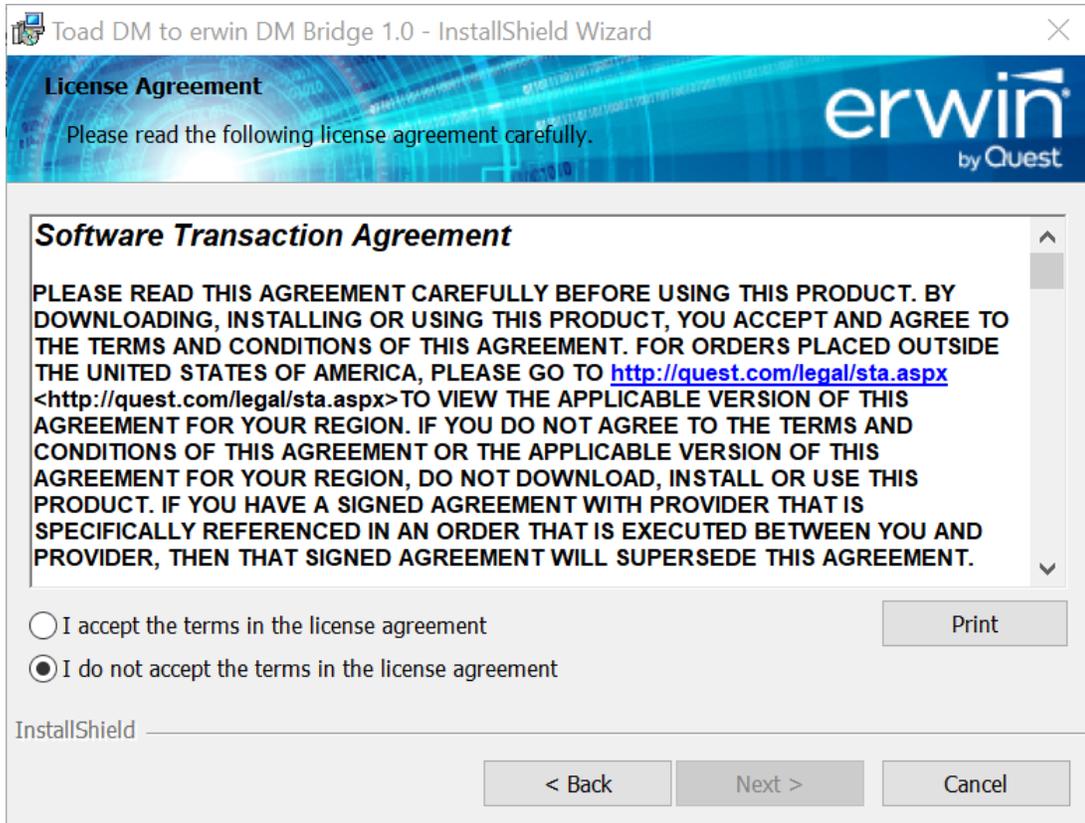
Ensure that the following prerequisites are in place before you install Toad DM to erwin DM Bridge:

- erwin Data Modeler (DM) 2021 R1 or higher
- Toad Data Modeler 7.2 or higher

To install Toad DM to erwin DM Bridge, follow these steps:

1. Open Toad DM to erwin DM Bridge installer and click **Next**.

The License Agreement screen appears.



2. Click **I accept the terms in the license agreement** and click **Next**.  
The Customer Information screen appears.

Toad DM to erwin DM Bridge 1.0 - InstallShield Wizard

**Customer Information**

Please enter your information.

**erwin**  
by Quest

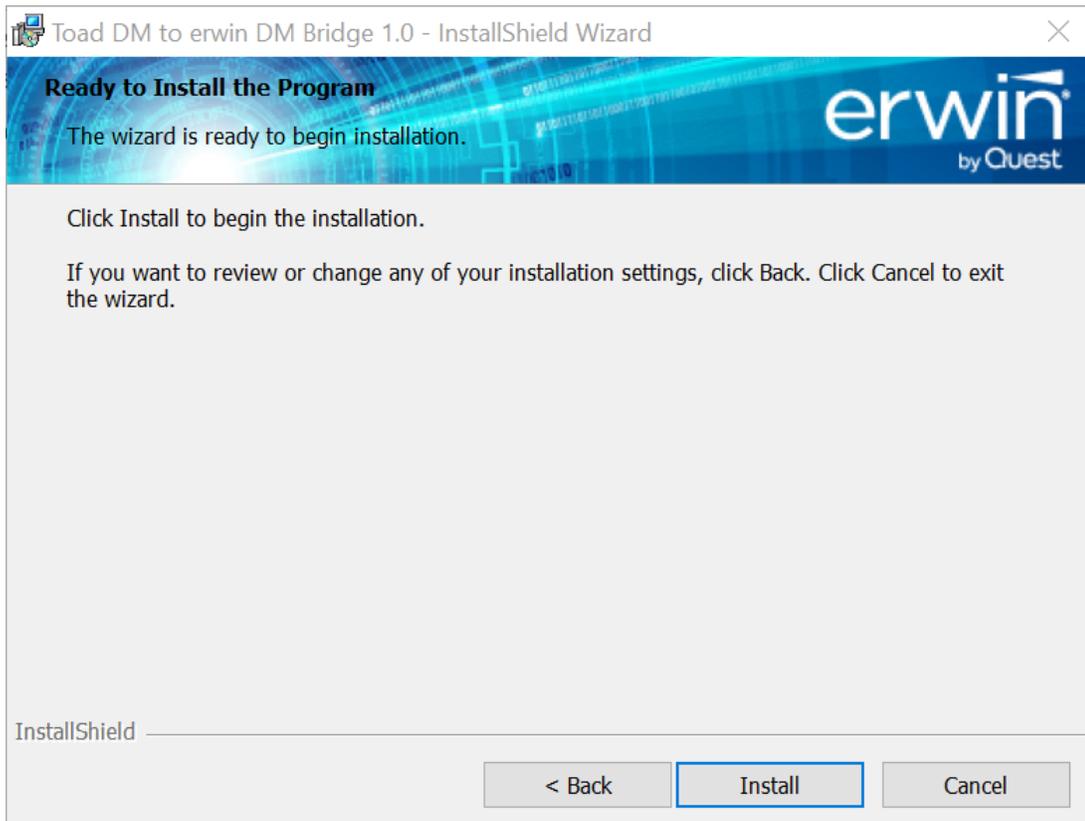
User Name:

Organization:

InstallShield

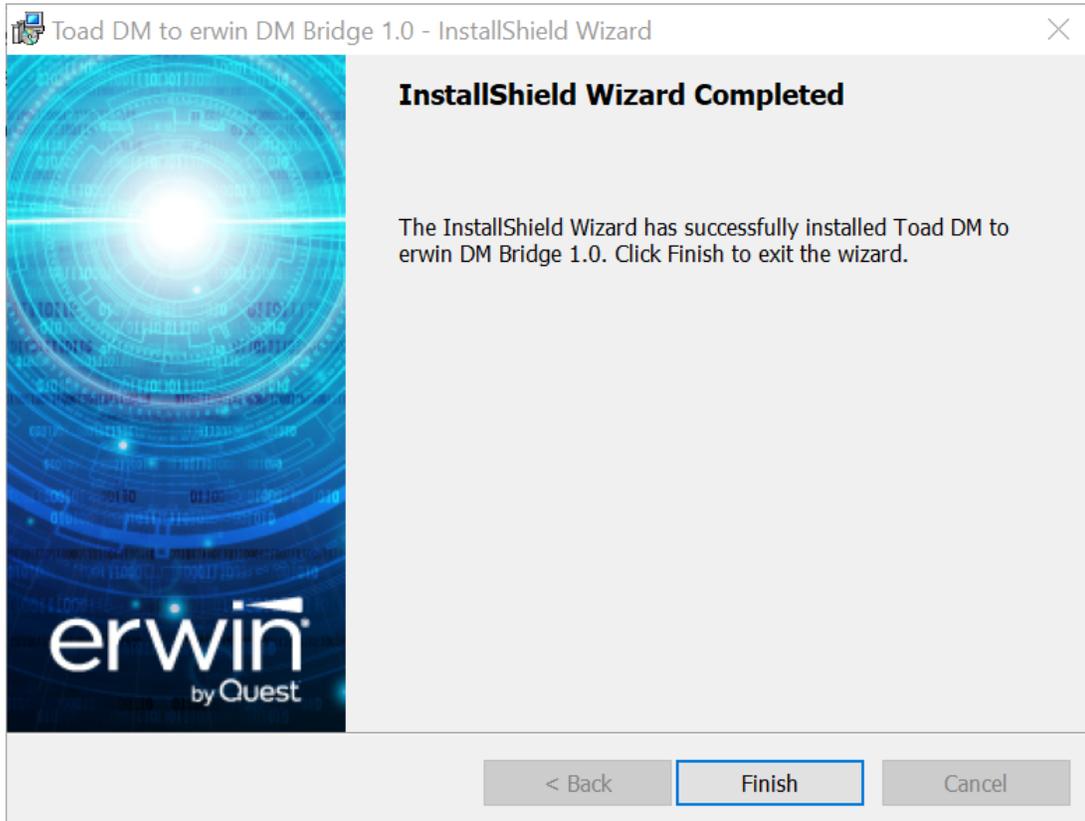
< Back    Next >    Cancel

3. Enter your Name and Organization. Then, click **Next**. These are optional fields. The installation confirmation screen appears.



4. Click **Install**.

Once installation is complete, the completion notification screen appears.



5. Click **Finish**.

Toad DM to erwin DM Bridge is installed.

## Using Toad DM to erwin DM Bridge

This topic walks you through the Toad DM to erwin DM Bridge UI and its usage. To access Toad DM to erwin DM Bridge, click the Windows Start menu > erwin > Toad DM to erwin DM Bridge 1.0.

You can also find Toad DM to erwin DM Bridge 1.0, at C:\ProgramData\Microsoft\Windows\Start Menu\Programs\erwin.

This opens the Toad DM to erwin DM Bridge in a new window.

Toad DM to erwin DM Bridge uses a bi-section layout that consists of the actions and logs sections.



UI Section	Function
1-Logs	This section displays a list of source Toad data model files, the converted file's destination, conversion status, and its progress.
2-Actions	This section is a collection of ways to convert Toad data models to erwin

UI Section	Function
	<p>Data Modeler compatible format. It enables you to do the following:</p> <ol style="list-style-type: none"><li data-bbox="451 365 1357 436">1. Convert Toad data models to erwin data models and save them to your disk.</li><li data-bbox="451 445 1357 516">2. Convert Toad data models to erwin data models and save them to your mart.</li></ol>

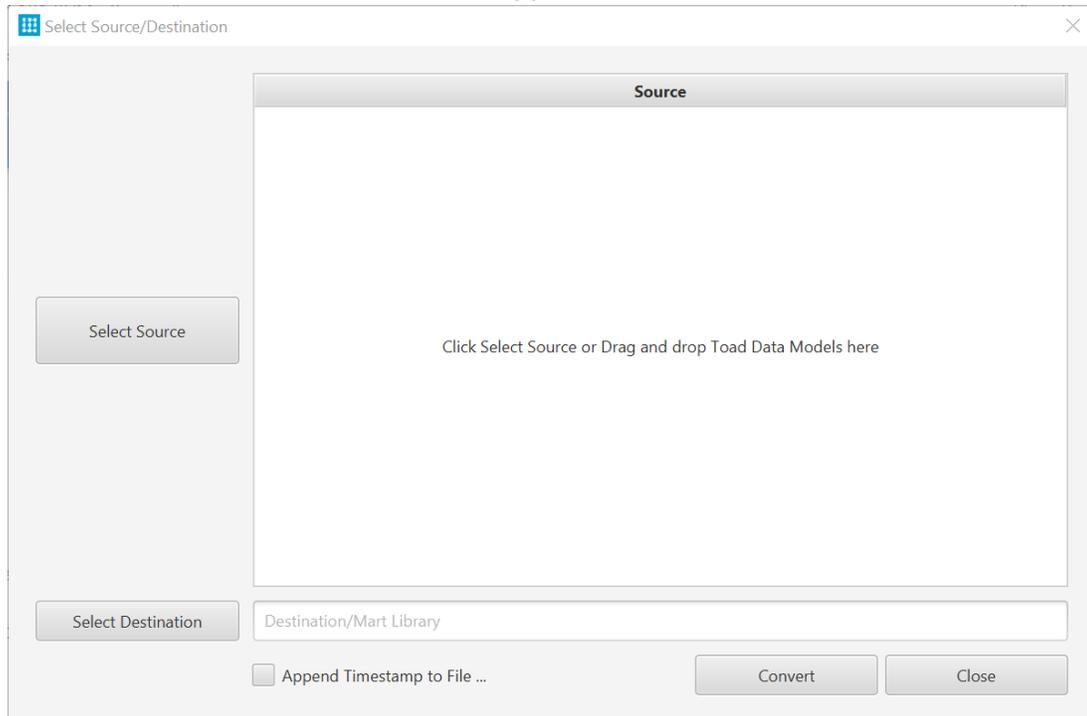
For more information on converting models, refer to the [Converting and Saving Models to Disk](#) and [Converting and Saving Models to Mart](#) topics.

## Converting and Saving Models to Disk

To convert Toad data models and save them to your disk, follow these steps:

1. Click **Save To Disk**.

The Select Source/Destination screen appears.



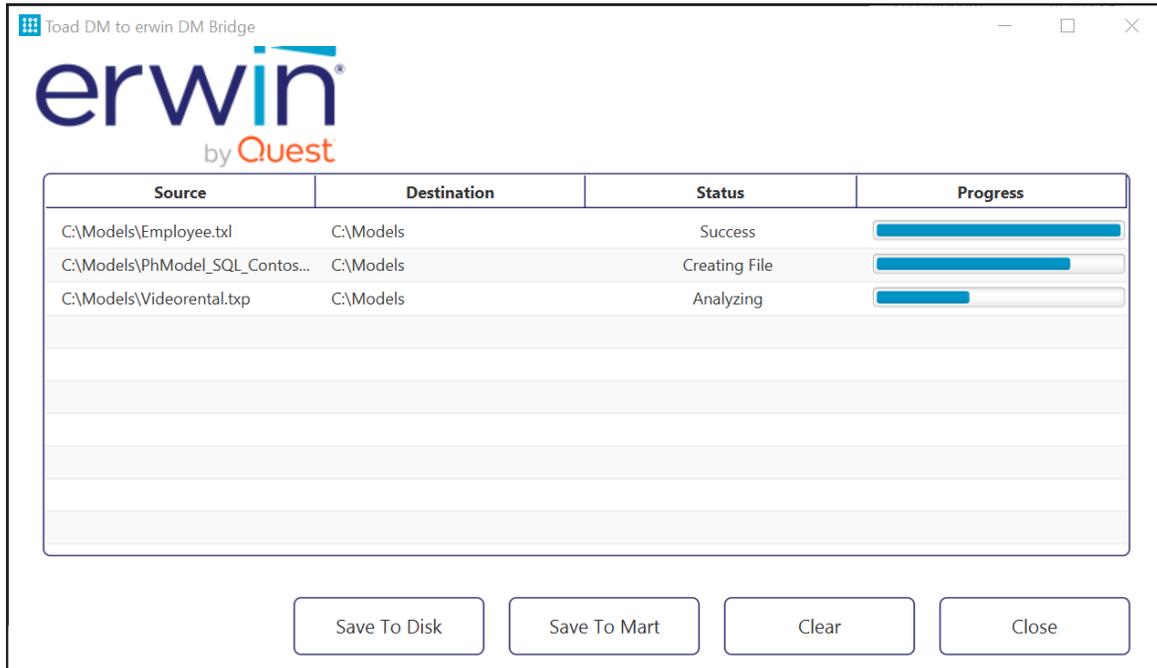
2. Click **Select Source** or drag and drop the toad data models that you want to convert. You can select one or more files or drag and drop a folder.
3. Click **Select Destination** to set the location of the converted model.
4. Select the **Append Timestamp to File Name** checkbox if you want to add timestamp to the converted file's names. This will enable you to maintain versions of your models.
5. Click **Convert**.

The selected models are converted and saved at the location that you set. The data model object naming terminology for a few objects differs between Toad Data Modeler and erwin

Data Modeler (DM). For the complete object mapping between Toad Data Modeler and erwin DM, refer to the [Reference: Object Mapping between Toad DM and erwin DM](#) topic.

You can retain your model templates. For more information on retaining templates, refer to the [Exporting and Applying Templates](#) topic.

You can view converted Toad file names, their destination path, status, and progress in the logs section.



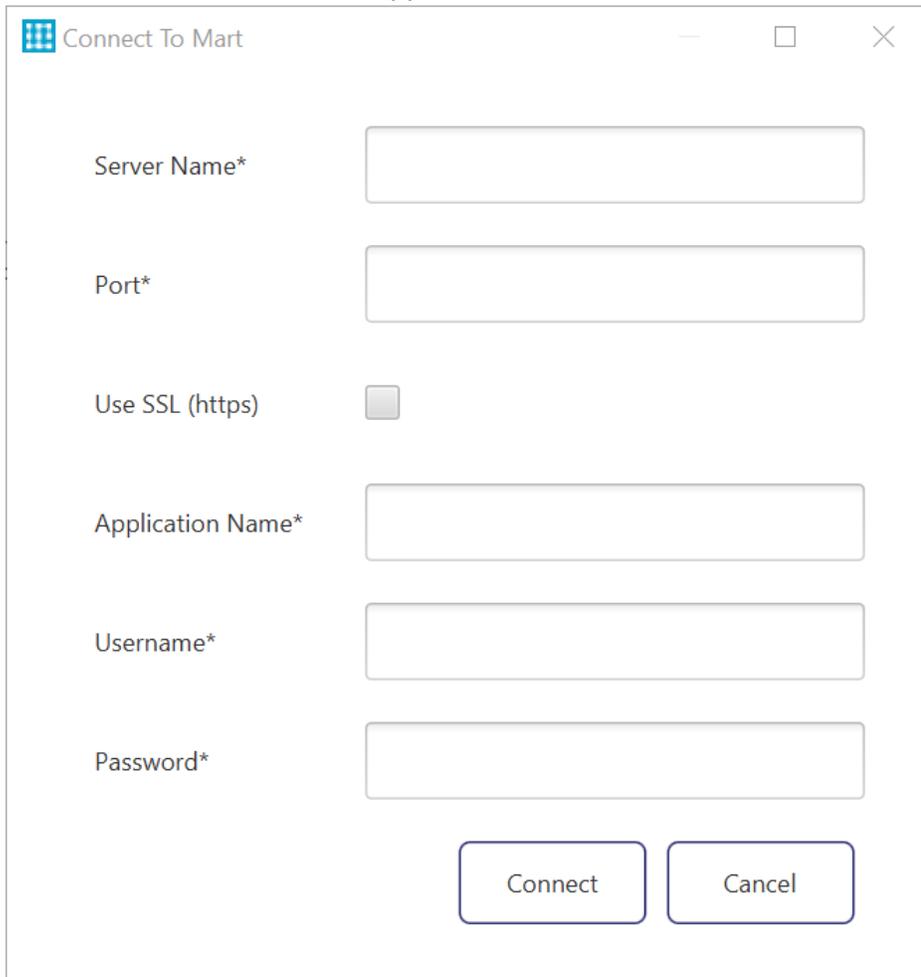
## Converting and Saving Models to Mart

Toad DM to erwin DM Bridge enables you to convert and save a Toad model to your mart so that multiple users can collaborate. Ensure that you have configured and initialized erwin Mart Server.

To convert Toad data models and save them to mart, follow these steps:

1. Click **Save To Mart**.

The Connect to Mart screen appears.



Connect To Mart

Server Name\*

Port\*

Use SSL (https)

Application Name\*

Username\*

Password\*

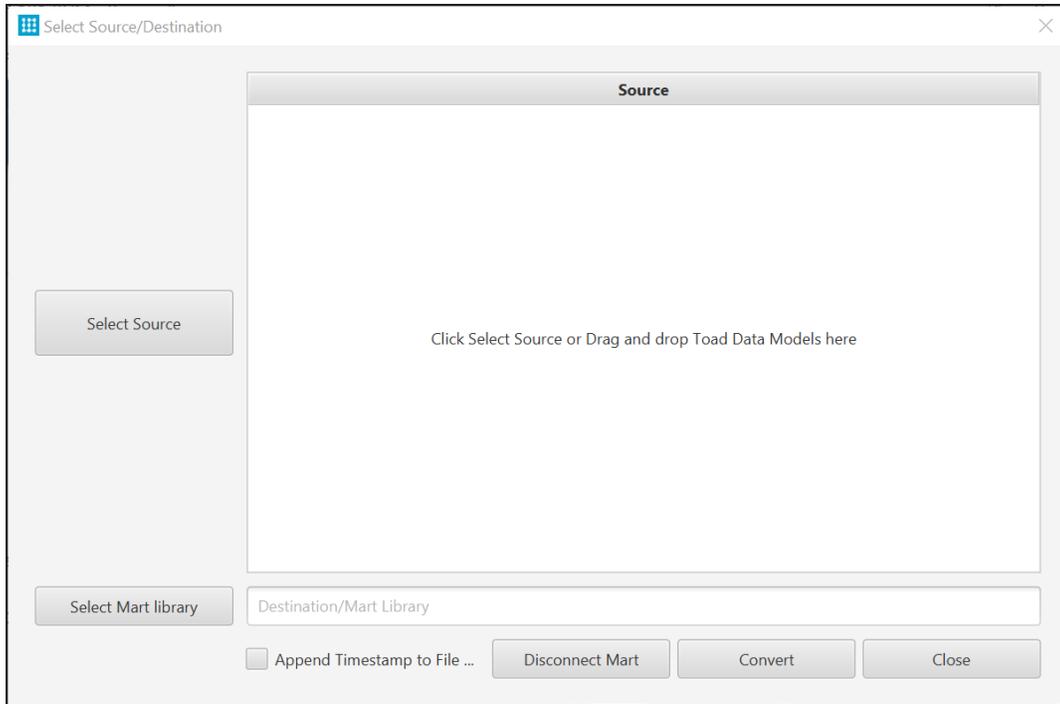
Connect Cancel

2. Enter appropriate values in the fields. Fields marked with an asterisk are mandatory. Refer to the following table for field descriptions.

Field Name	Description
Server Name	Specifies the name of the computer where the Web Server is present. For example, if you are using Tomcat, enter the name of the computer where Tomcat is installed. <b>Default:</b> localhost
Port	Specifies the port number to access the web server. <b>Default:</b> 18170
Use SSL	Specifies that you want to connect to the Mart through a secured connection. SSL lets you access the Mart through a secured connection. This check box is enabled only if you have configured SSL on your web server.
Application Name	Specifies the application name of the Mart that you want to connect to. <b>Default:</b> MartServer
Username	Specifies your mart username. If you are using a Windows-authenticated username, enter it in the <domain name>/<user name> format. A local Windows user who does not belong to a domain or who is not part of an Active Directory cannot log in to the Mart as a Windows user.
Password	Specifies your mart password.

3. Click **Connect**.

On successful connection, the Select Source/Destination screen appears.



4. Click **Select Source** or drag and drop the toad data models that you want to convert. You can select one or more files or drag and drop a folder.
5. Click **Select Mart Library** to set the location of the converted model.
6. Select the **Append Timestamp to File Name** checkbox if you want to add timestamp to the converted file's names. This will enable you to maintain versions of your models.
7. Click **Convert**.

The selected models are converted and saved in the mart. You can connect to the mart via erwin Data Modeler (DM) and open the models.

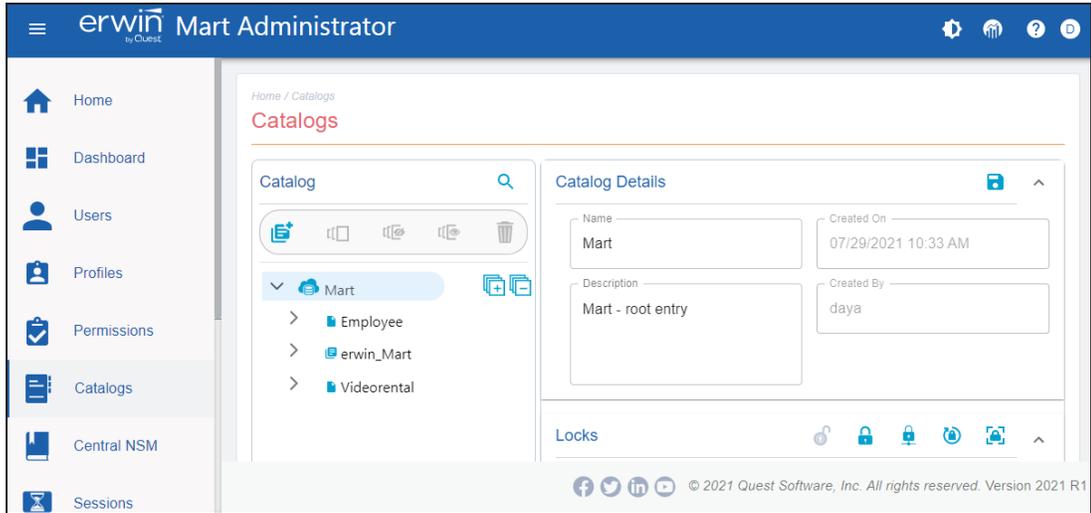
The data model object naming terminology for a few objects differs between Toad Data Modeler and erwin Data Modeler (DM). For the complete object mapping between Toad Data Modeler and erwin DM, refer to the [Reference: Object Mapping between Toad DM and erwin DM](#) topic.

You can retain your model templates. For more information on retaining templates, refer to the [Exporting and Applying Templates](#) topic.

To view saved models in the mart, follow these steps:

1. Open erwin Mart Administrator.
2. On the application menu, click **Catalogs**.

You can view saved models in the Catalog pane.



## Reference: Object Mapping between Toad DM and erwin DM

Toad DM to erwin DM Bridge supports with the following databases:

- Azure SQL
- Oracle
- SQL Server
- Teradata

The table given below explains how Toad DM to erwin DM Bridge maps data model objects between applications.



Objects mentioned as NA are not supported in erwin Data Modeler (DM). Also, All Items in Toad Data Modeler correspond to Main Subject Area in erwin DM. Apart from All Items other Workspaces are available under Subject Areas.

Toad Object	erwin Object					
	Oracle	SQL Server	Azure SQL	Teradata	Logical and Universal	Logical Only
Workspaces	ER Diagram, Subject Areas	Subject Areas	Subject Areas	ER Diagrams	ER Diagrams	ER Diagrams
Entities	Tables	Table	Tables	Tables	Entities	Entities
Relationships	Relationships	Relationships	Relationships	Relationships	Relationships	Relationships
Views	Views	Views	Views	Views	NA	
Procedures	NA	Stored Procedures	Stored Procedures	Stored Procedures	NA	
Functions	Functions	Functions	Functions	Functions		
Categories	NA	NA	NA	NA	NA	NA
Defaults	Default	Default	Default	Default	Default	Default

Toad Object	erwin Object					
	Oracle	SQL Server	Azure SQL	Teradata	Logical and Universal	Logical Only
	Values	Values	Values	Values	Values	Values
Domains	Domains	Domains	Domains	Domains	Domains	Domains
Notes	Files-Annotations	Annotations	Annotations	Notes	Notes	Notes
Check Constraint Rules	Validation Rules	Validation Rules	Validation Rules	NA		Validation Rules
User data Types	User Defined Types	NA	NA	NA	NA	
User Groups	Owner	User id's	User id's	User id's	NA	
Users	Owner	User id's	User id's	User id's	NA	
Directories	Directories					
Editions	NA					
Images	NA	NA	NA	NA	NA	NA
Java	NA					
Materialized Views	Materialized Views			NA		
Packages	Packages					
Sequences	Sequences	Sequences	Sequences			
Synonyms	Synonyms	Synonyms	Synonyms			
Tablespaces	Tablespaces					
View Relationship	Relationships	Views	Views	NA	NA	
Zone Maps	NA					
Dictionary Types		NA	NA	NA		
Schemas		Schemas	Schemas	NA	NA	
Assemblies		Assemblies				
Column		NA	NA			

Toad Object	erwin Object					
	Oracle	SQL Server	Azure SQL	Teradata	Logical and Universal	Logical Only
Encryption Keys						
External Data Sources		NA	External Data source			
External File Formats		NA				
External Tables		NA	Tables			
Filegroups		Files				
Filestream		Database				
File Tables		NA				
Fulltext Catalogs		Fulltext Catalogs	Fulltext Catalog			
Partition Functions		Partition Functions	Partition Functions			
Partition Schemas		Partition Schemas	Partition Schemas			
Search Property Lists		NA				
Security Policies		NA	NA			
Stoplists		Stoplist	Stoplist			
Xml Schema Collections		Xml Schema Collections	Xml Schema Collections			
Inheritance						NA
Inheritance Ancestors						NA
Inheritance descendants						NA
Entity	Entity	Entity	Entity			

Toad Object	erwin Object					
	Oracle	SQL Server	Azure SQL	Teradata	Logical and Universal	Logical Only
Trigger	Trigger	Trigger	Trigger			
View Trigger	View Trigger	View Trigger	View Trigger			

## Exporting and Applying Templates

Toad DM to erwin DM Bridge enables you to retain theme, color, font style, icon, typography, and other UI patterns used in your Toad data models. You can export your customized template and apply it to the converted models.

To export and apply Toad Data modeler template, follow these steps:

1. Open **Toad Data Modeler**.

2. Click **Settings > Options**.

The Options screen appears. You can customize all settings available here.

3. Click **Export**.

The Browse For Folder screen appears.

4. Select a destination folder and click **OK**.

This exports multiple configuration files. Each file corresponds to one category in Options. Out of these files, PER.txc is a template file for physical or universal data model and LER.txc is a template file for Logical model.

5. Move the PER.txc and LER.txc to the following location:

<erwin DM Installation directory>\DM conversion utility\config\.

This applies your theme, color, font style, icon, typography, and other UI patterns in the converted data models.