



erwin Data Modeler

Release Notes

Release 12.5

Legal Notices

This Documentation, which includes embedded help systems and electronically distributed materials (hereinafter referred to as the “Documentation”), is for your informational purposes only and is subject to change or withdrawal by Quest Software, Inc and/or its affiliates at any time. This Documentation is proprietary information of Quest Software, Inc and/or its affiliates and may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of Quest Software, Inc and/or its affiliates

If you are a licensed user of the software product(s) addressed in the Documentation, you may print or otherwise make available a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all Quest Software, Inc and/or its affiliates copyright notices and legends are affixed to each reproduced copy.

The right to print or otherwise make available copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to Quest Software, Inc and/or its affiliates that all copies and partial copies of the Documentation have been returned to Quest Software, Inc and/or its affiliates or destroyed.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, QUEST SOFTWARE, INC. PROVIDES THIS DOCUMENTATION “AS IS” WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL QUEST SOFTWARE, INC. BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF QUEST SOFTWARE, INC. IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and such license agreement is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is Quest Software, Inc and/or its affiliates.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2024 Quest Software, Inc and/or its affiliates All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

Contact erwin

Understanding your Support

Review [support maintenance programs and offerings](#).

Registering for Support

Access the [erwin support](#) site and register for product support.

Accessing Technical Support

For your convenience, erwin provides easy access to "One Stop" support for all editions of [erwin Data Modeler](#), and includes the following:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- erwin Support policies and guidelines
- Other helpful resources appropriate for your product

For information about other erwin products, visit <http://erwin.com/products>.

Provide Feedback

If you have comments or questions, or feedback about erwin product documentation, you can send a message to techpubs@erwin.com.

News and Events

Visit [News and Events](#) to get up-to-date news, announcements, and events. View video demos and read up on customer success stories and articles by industry experts.

Contents

erwin Data Modeler Editions	11
Standard Edition	12
Workgroup Edition	13
Navigator Edition	15
Academic Edition	16
Sample Model	17
New Features and Enhancements	20
Project Explorer	20
Teradata Support	21
MongoDB Support	21
AlloyDB Support	21
Neo4j Support	21
PostgreSQL	21
SQL Server	21
Databricks Partner Connect	22
OKTA support for Snowflake	22
Bitbucket Support	22
Database Support Updates	22
Denormalization Support for NoSQL Models	24
Productivity and UI Enhancements	24
erwin ER360	25
Git Support	25

DM Connect for DI Support	26
Enterprise Modeling Compliance	26
Enterprise Glossary	26
erwin Mart Portal	26
Third Party Tools	27
System Information	28
Release Numbering Scheme in erwin Data Modeler	29
Operating System Support	30
System Requirements	31
erwin Data Modeler	31
erwin Mart Portal	32
Administrative Privileges Required	33
Supported Target Databases	34
Limitations in Hive	38
erwin Data Modeler Workgroup Edition Requirements	39
Administrator Server System Requirements	40
DBMS Requirements	41
Client Workstation Requirements	42
erwin Data Modeler Navigator Edition Requirements	43
Support for erwin Data Modeler Navigator Edition	44
Installation Considerations for erwin Data Modeler Workgroup Edition	45
erwin Data Modeler and Mart Release Numbers	46
Microsoft SQL Server 2005 onward Permissions	47

Specify Use of Foreign Characters With Microsoft SQL Server	48
Installation Considerations for erwin Data Modeler Navigator Edition	49
Silent Install	50
General Considerations for Using erwin Data Modeler Workgroup Edition	51
Model Display in the Difference Reconciliation Dialog	52
Uninstalling erwin Data Modeler Workgroup Edition	53
General Considerations for Using erwin Data Modeler Navigator Edition	54
Model Display in the Difference Reconciliation Dialog	55
Help Files	56
Known Issues	57
Auto Denormalization via Target Database Dialog Box Results in Incorrect Object Count	60
NoSQL- Nested Structure Models-Harvesting to erwin Web Portal is not Supported	61
erwin Mart - Cassandra: Exporting Cassandra Model into DI displays the Column Definition Value in Column Comments	62
FE: The Thick Option is not Saved in the Preview	63
erwin Mart - Azure SQL: The Settings and DI Configuration Tabs do not Display Password	64
MySQL RE- Column Format and Memory Storage Options are not Retrieved	65
Switching JDBC Connections from one Target DBMS to Other Produces Error	66
Azure Synapse REDB: View or Materialized View with Same Name and Different Schemas REDB Produces Unexpected Results	67
UI: erwin DM Crashes on Creating an Object with Max Length and Deleting	68
FE Options Selected in Custom Option Set are not Retained	69

RedShift FE - Few functions do not execute from erwin DM FE Wizard	70
Redshift REC - Comments are Truncated at 65536 Characters	71
Redshift REC - Properties of Library Object are not Retrieved	72
RedShift REC-Column Values need to Follow the Exact Order According to Partition Specification	73
Redshift REC - Performance is Slow in Redshift for REDB Process	74
Db2 z/OS-ESX-1015,190110 Messages are Displayed on Copy-pasting a Table that has a Period Clause	75
NSM P to L: Derive PO model to LO with NSM Template attached	76
erwin Data Modeler cannot Connect to erwin Mart Portal on Host Machine	77
API-Related Features do not Work on a Windows 2008 R2 SP1 Machine	78
Netezza REC- Comments are Truncated at 1024 Characters	79
SQL 1105 Error	80
Model and Version Name Limit on Oracle	81
.Net Requirement	82
Report on Glossary Words Includes Extra Characters	83
Updating Profile Description from Notepad	84
Unwanted Result Rows in Report	85
DSM Logical to SQL Server 2012	86
Report Designer Functions for a Large Model	87
Incorrect UDP in UDP Report	88
Invalid Column Node for Db2 LUW Model in View Report	89
Mart Portal Name in Korean	90
Generating Reports with Korean Characters in User Name	91

Error While Creating a Profile Using Special Characters in Mart Portal	92
File IO: For a Parent or Child Table with Multiple Child Tables, Other Child FK Attributes are Highlighted on Mouse Hover on One Relationship	93
Owner Name not Displayed while Sorting a Guided Editor's list of Objects	94
Google BigQuery - Row Access Policies are not retrieved after REDB	95
Oracle: Alter script is not generated for columns in a Materialized View	96
Oracle: Alter script is not generated for columns in a View	97
Oracle: Alter script is not generated and comments are deleted for Materialized Views	98
Oracle: Views and Materialized Views disappears from the ER diagram	99
Oracle: Alter script is not generated and comments are deleted for Views	100
Snowflake: Views with certain Syntax are not Reverse Engineered	101
Snowflake REDB: Performance Degradation when selecting Tag object during REDB	102
Snowflake REDB: Errors are displayed when the database contains more than 10,000 tables	103
MariaDB REDB: Error is displayed while connecting database through JDBC	104
Couchbase Cloud Limitations: Full Text Indexes, Buckets, View, and User Objects are not completely supported	105
DM Connect for DI: Valid values are not exported, if the name exceeds 200 char- acters	106
FE into DDL or Database with SCAPI does not generate Schema	107
Teradata 17.x REDB: 'With Check' property of Tables are not retrieved in the Relationship Editor	108
Teradata 14.10, 15.x/16.x: REDB with JDBC Connection Issues	109
Teradata 17.x: Procedure and Function displays Syntax error during REDB	110

MySQL REDB: Reverse Engineering different Schemas display Views with the same Table name	111
Duplicate Triggers are created when you reopen .XML model	112
Alter script is not generated in the Alter Script wizard, when an User Defined View is renamed/modified	113
PsotgreSQL/AlloyDB 1.1: Duplicate Inherited Tables are retrieved after REDB ...	114
Report Designer displays Data Vault objects and properties under the Database for a Logical report type	115
Copy-Paste: Renamed column name is migrated as role named column when you copy paste in the PO model	116
Model Checkout: Opening a checked out model in Mart displays Read Only error	117
Fixed Issues	118
Appendix	129
Third Party Software Acknowledgment	130

erwin Data Modeler Editions

The following editions of erwin DM are available:

[Standard Edition](#)

[Workgroup Edition](#)

[Navigator Edition](#)

[Academic Edition](#)

This *Release Notes* details new features, enhancements, updates, and known issues for all editions of erwin DM.

The features of erwin DM that are available to you depend on the edition that you are using. For more information about the differences between versions, click one of the Edition links.

Standard Edition

erwin Data Modeler Standard Edition provides all the data modeling features used by Data Architects, Data Administrators, and Application Administrators, but does not include any workgroup modeling capabilities. You can use this edition as a standalone modeling tool, and as a Workgroup Edition client that can access and work with data models stored in a mart. When you enable data movement or dimensional modeling features, it provides a tool for assisting Data Administrators and Capacity Managers design data warehouses. Partners can use the API to create add-on solutions to erwin Data Modeler.

Workgroup Edition

erwin Data Modeler Workgroup Edition provides all the data modeling features used by Data Architects and also includes workgroup modeling capabilities used by Database Administrators, Application Administrators, and Application Owners. It provides conflict resolution, versioning, security and standardization for multi-user modeling. Workgroup modeling operates in a client/server environment so processing is shared between the user client workstation and the server where the models are stored. Users access the stored models through a client, such as erwin Data Modeler. Models are held in a platform and network independent database or mart that resides on a central server, using Microsoft SQL Server, Oracle, or PostgreSQL as the host database.

The key features of erwin Data Modeler Workgroup Edition include:

Web-based administrator (erwin Mart Portal)

Helps the administrator administer the Mart. The administrator creates the Mart database, installs and configures erwin Mart Portal before users can connect to the Mart. erwin Mart Portal is hosted on a web server and is accessed through an Internet browser.

Model change impact analysis

Provides a change summary showing the impact of changes and the history of the affected model objects, allowing you to select which changes to apply to the model repository.

Version management

Lets Data Architects store, access and analyze the history of a model and the changes made to it, lock down specific versions, run difference reports between versions, and seamlessly roll back models to previous states as required.

Concurrent model access with optional model locking

Allows multiple users to concurrently work on a given model without compromising the integration and integrity of their parallel efforts.

Workgroup Edition

The administrator installs the program and initializes the database on the DBMS server. The administrator also has the responsibility of setting up the library structure in which models are organized, and assigning security profiles to users. Administration overhead is relatively low and proportional to the number and activity level of the users. After a model is saved to the database, control of who can work on the model and how changes are saved to the model is handled by security, making it possible for workgroups to work on large models without confusion. erwin Data Modeler Workgroup Edition supports many security and administrative features related to its multiuser capabilities and the client/server environment in which it operates. For this reason, routine management is usually performed by a dedicated administrator. Administrators can find detailed information regarding their tasks and responsibilities in the erwin Data Modeler Workgroup Edition Administration Guide.

You can also use erwin Data Modeler Navigator Edition as a client. Read-only access is permitted to data models, so your workgroup can use this client to share information with others without the risk that unauthorized changes might be saved to the mart.

Navigator Edition

erwin Data Modeler Navigator Edition provides a cost-effective way to provide read-only access to models built with erwin Data Modeler for viewing and analysis. This edition does not permit you to make any changes to models.

The key features of erwin Data Modeler Navigator Edition include:

Read-only access

Read-only access is provided to models created by erwin Data Modeler and it can also be used as a Workgroup Edition client for viewing a data model stored in a mart. Use the Navigator Edition to easily share model information without the risk of unauthorized changes to a model.

Navigation and Viewing

Provides those who need to view models, but not update them, full navigation and viewing of data models.

Reporting and Publication

Offers reporting and printing capabilities that generate in a variety of formats, including HTML and PDF.

Academic Edition

The Academic Edition is a time-limited edition and includes a limited number of features from the main product. It is designed to help students to learn creating simple data models.

Sample Model

When you install erwin Data Modeler, two sample models, eMovies and PublicationSystemSample are installed. Use these models as examples to learn data modeling and to learn how to use the tool.

These models are available in the following folder:

```
<install folder>\erwin\Data Modeler r9\BackupFiles\Samples\Standard
```

If you access the sample model from the install folder, you must run the data modeling tool as an administrator to open the eMovies model.

eMovies

The business requirements of this model are as follows:

- Manage employee details
- Manage store details
- Manage movie details
- Manage copies of movies
- Manage customer details
- Maintain movie rental details for customers
- Record payment details for rented movies
- Display the credit status of customers
- Generate invoices for customers
- Display overdue details for customers
- Search for customers
- Search for movies that are rented based on the rented date, customer phone number, employee number, or movie number

Apart from entities, attributes, and relationships, this model serves as an example for the following features:

Sample Model

- Domains
- Logical Model
- Subject Area
- Annotation
- Key Groups
- ER Diagrams
- Naming Standards Object
- Data Type Standards Object
- Themes
- Validation Rules

PublicationSystemSample

The PublicationSystemSample model provides an example of a book publication company.

The business requirements of this model are as follows:

- Diagrams
The Diagrams can be easily shared with other project team members by exporting them to .EMF format during project analysis. The diagrams also support project communication using the Report Designer and different diagram presentation options while viewing models in the erwin Web Portal.
- Documentation
This object serves as an example for the following features:
 - Model
 - Diagram
 - Subject Area
 - Entity
 - Attribute
- Theme override options
- Diagram Annotations

New Features and Enhancements

Following new features and enhancements are available in erwin Data Modeler (erwin DM) and erwin Mart Portal 12.5.

[Project Explorer](#)

[Teradata Support](#)

[MongoDB Support](#)

[AlloyDB Support](#)

[Neo4j Support](#)

[PostgreSQL Support](#)

[SQL Server Support](#)

[Databricks Partner Connect](#)

[OKTA support for Snowflake](#)

[Bitbucket Support](#)

[Database Support Updates](#)

[Denormalization Support for NoSQL Models](#)

[Productivity and UI Enhancements](#)

[ER360](#)

[Git Support](#)

[DM Connect for DI Support](#)

[Enterprise Modeling Compliance](#)

[Enterprise Glossary](#)

[erwin Mart Portal](#)

[Third Party Tools](#)

The list includes a brief description and wherever relevant, a reference to more information about each feature.

Project Explorer

You can now organize all the database models involved in your application development process in a single project in erwin DM. You can store projects and their contents as a folder in a location of your choice. To open the models in a project together, open the project file from the storage location or through the erwin DM. The new Project Explorer pane and

New Features and Enhancements

toolbar in erwin DM also offer you an end-to-end solution to organize and manage the models in a project.

For more information, refer to the [Getting Started with Projects](#) topic.

Teradata Support

erwin DM now supports Teradata Vantage 17.x as a target database.

For information on supported objects and data types, refer [Teradata Support Summary](#).

MongoDB Support

erwin DM now supports MongoDB 5.x and 6.x as target databases.

For information on supported objects and data types, refer [MongoDB Support Summary](#).

AlloyDB Support

erwin DM now supports AlloyDB 1.1 as target database.

For information on supported objects and data types, refer [AlloyDB Support Summary](#).

Neo4j Support

erwin DM is now certified to work with Neo4j version 4.4.x.

PostgreSQL

erwin DM is now certified to work with PostgreSQL versions 14.x and 15.x.

For information on supported objects and data types, refer [PostgreSQL Support Summary](#).

SQL Server

erwin DM is now certified to work with SQL Server version 2022.

For information on supported objects and data types, refer [SQL Server Support Summary](#).

Databricks Partner Connect

Databricks Partner Connect is now live and available for erwin DM. Databricks as a target database also supports Databricks Unity Catalog.

OKTA support for Snowflake

In addition to AzureAD, erwin DM 12.5 supports OKTA Single Sign On (SSO) for Snowflake database.

Bitbucket Support

You can now connect to a Bitbucket repository to push forward engineering scripts for a Mart Model to the Git repository. Bitbucket enables you to utilize features, such as version control and collaboration with team members. For information on connecting to Bitbucket, refer to the [Connecting to Git Repositories](#) topic.

Database Support Updates

Support for the following databases has been updated:

Database	Enhancements
ArangoDB	Views tab has been added to the ArangoDB Reverse Engineering Wizard.
Avro	Precision and Scale properties have been added to the Avro Field Editor. These properties are applicable only to the data type BYTES.
Google BigQuery	<ul style="list-style-type: none">Support for Table Search Index has been added. For more information, refer to Defining Google BigQuery Search Indexes topic.Views and Materialized Views tabs have been added to the Google BigQuery Reverse Engineering Wizard.Google BigQuery ER diagrams have been updated to display the property mode of the column (NULL, NOT NULL, REPEATED/ARRAY), if the Display Column Null Option is selected in the ER Diagram Editor.

New Features and Enhancements

Database	Enhancements
	<ul style="list-style-type: none"> ▪ You can now set physical table names of up to 1024 characters. ▪ You can now set physical column names of up to 300 characters. ▪ Default Collation property has been added to the Google BigQuery Dataset Editor. ▪ Default Collation property has been added to the Google BigQuery Table Editor. ▪ Collation and Default Expression properties have been added to the Google BigQuery Table Column Editor. ▪ Partition Options properties have been moved to the Partitions tab Google BigQuery Table Editor. ▪ Partition Expression section has been removed from the Partitions tab in the Google BigQuery Table Editor and Materialized View Editor. The partition expression is now displayed on the NoSQL tab in these Editors. ▪ Values in the Partition Expression Options now automatically resets when a column of a different Physical Data Type is selected on the Partition Columns section in the Google BigQuery Table Editor and Materialized View Editor. ▪ Option Selection tab has been updated, and Owner Override tab has been added to the Google BigQuery Forward Engineering Schema Generation Wizard.
Cassandra	Materialized Views tab has been added to the Cassandra Reverse Engineering Wizard.
Couchbase	erwin Data Modeler (erwin DM) now supports using Couchbase with Python SDK instead of C SDK.
DynamoDB	<ul style="list-style-type: none"> • You can now set physical table and index names of up to 255 characters. • Session Token authentication has been added for DynamoDB database connection.

New Features and Enhancements

Database	Enhancements
Redshift	Support for Redshift Encoding AZ64 has been added.
MongoDB	<ul style="list-style-type: none">• Schema validation options for forward engineering a model has been enhanced. For information on schema validation, refer MongoDB: Schema Validation.• Display Field Null Option property has been replaced with Display Field is Required Option property on the MongoDB ER Diagram Editor.
JSON	<ul style="list-style-type: none">• Display Field Null Option property has been replaced with Display Field is Required Option property on the JSON ER Diagram Editor.• JSON Array Element option has been added to JSON Reverse Engineering Wizard to specify whether all or only first element of a JSON array is processed during reverse engineering.• Viewer tab in the JSON Forward Engineering Schema Generation Wizard has been updated to display the names of JSON objects and arrays and the number of child elements inside them.

Denormalization Support for NoSQL Models

You can now perform advanced denormalization on all NoSQL database models in addition to Cassandra.

For more information, refer to the [advanced denormalization](#) topic.

Productivity and UI Enhancements

Several additions and enhancements have been implemented to improve erwin DM's productivity and usage experience. These enhancements are:

- **Copy Family:** You can now create new ER diagrams using whole or part of model object families from existing diagrams.
- **Recent Files:** The Recent Files list in the erwin DM Welcome screen now displays the latest version of the Mart models instead of the version that was last accessed.

New Features and Enhancements

- **Demand Loading:** To improve project loading time, Demand Loading option for projects has been added to erwin DM Options.
- **Scheduler:** Support for projects has been added to erwin DM Scheduler. You can now schedule reverse engineering jobs for all the required models in a project using erwin DM Scheduler.
- **Project Explorer:** erwin DM now displays models with configured connection parameters for reverse engineering in the Project Explorer with a green check mark.
- **Custom Option Set:** You can now create and use custom option sets for Complete Compare in erwin DM Scheduler.
- **Exclude UDP:** You can now choose to exclude User Defined Properties (UDP) during Complete Compare to accelerate the process.
- **SDI Indication on Model Diagram:** For columns or attributes labelled SDI, you can now choose to display an SDI indication on the model diagram via diagram properties. For more information, refer to the [Set Table Display Preferences](#) and [Set Entity Display Preferences](#) topics.
- **Column Sort Order:** NoSQL databases now support column sort order function in addition to SQL databases.

erwin ER360

erwin ER360 provides unified and central visuals of your erwin Data Models to help you manage, review, and govern your on-premises or SaaS 'On Cloud Mart' data models. It provides self-service access to visualization and detailed metadata classification to encourage business teams, governance teams, and other stakeholders to collaborate and increase data literacy. For more information, refer to [erwin ER360 Online Help](#).

Git Support

You can now view the DDL of a model version and compare it with another version of the model from the Catalogs pane.

DM Connect for DI Support

The DM Connect for DI feature has been upgraded to support:

- [Importing one or more erwin Data Intelligence \(erwin DI\) environments](#) to erwin Data Modeler (erwin DM)
- [Multiple erwin DI configurations](#)
- erwin DI v13.0

Enterprise Modeling Compliance

Enterprise modeling Compliance (EMC) provides a mechanism for mart-privileged, non-administrator users to apply metadata standards across mart catalogs in order to maintain quality of data models at the enterprise level. Using EMC, you can create customized data compliance policies and rules for data models saved to Mart. You can also create user-defined jobs to apply these policies to the models and generate comprehensive reports with pass, error, and warning statistics.

For more information, refer to the [Enterprise Modeling Compliance](#) topic.

Enterprise Glossary

Enterprise Glossary provides a mechanism to employ your business terms, vocabularies, ontologies, and standards weaved together to build and govern an enterprise-level standard for your mart-catalog assets.

For more information, refer to the [Enterprise Glossary](#) topic.

erwin Mart Portal

erwin Mart Portal has undergone several enhancements as follows:

- erwin Mart Portal has undergone several enhancements as follows:
- Email addresses or user name, individually as well as together are supported as your default selector instead of only username. You can configure this under settings to be

New Features and Enhancements

displayed across erwin Mart Portal and erwin ER360.

- The catalog tree displays a Sensitive Data Indicator, SDI tag for models that contain sensitive data.
- Ability to control the level of permission and assign a user or a group to a profile, library, or model has been added.
- View as a permission at library level has been added.
- Using the Project Explorer in erwin DM, you can save projects and their models to mart under catalogs.
- You can generate Personal Access Tokens for REST API via Settings.
- User device tracking for logs is supported.

Third Party Tools

Support for third-party tools has been upgraded as follows for erwin DM and erwin Mart Portal:

- Tomcat Server v9.0.65 has been replaced with Apache Server v2.4.57.
- AdoptOpenJDK version for erwin DM has been upgraded to 11.0.19+7.
- JDK version for erwin Mart Portal has been upgraded to 17.0.7.
- OpenSSL has been upgraded to version 3.1.0.0.

System Information

Review the following system information before installing and using the product.

This section contains the following topics

[Release Numbering Scheme in erwin Data Modeler](#)

[Operating System Support](#)

[System Requirements](#)

[Administrative Privileges Required](#)

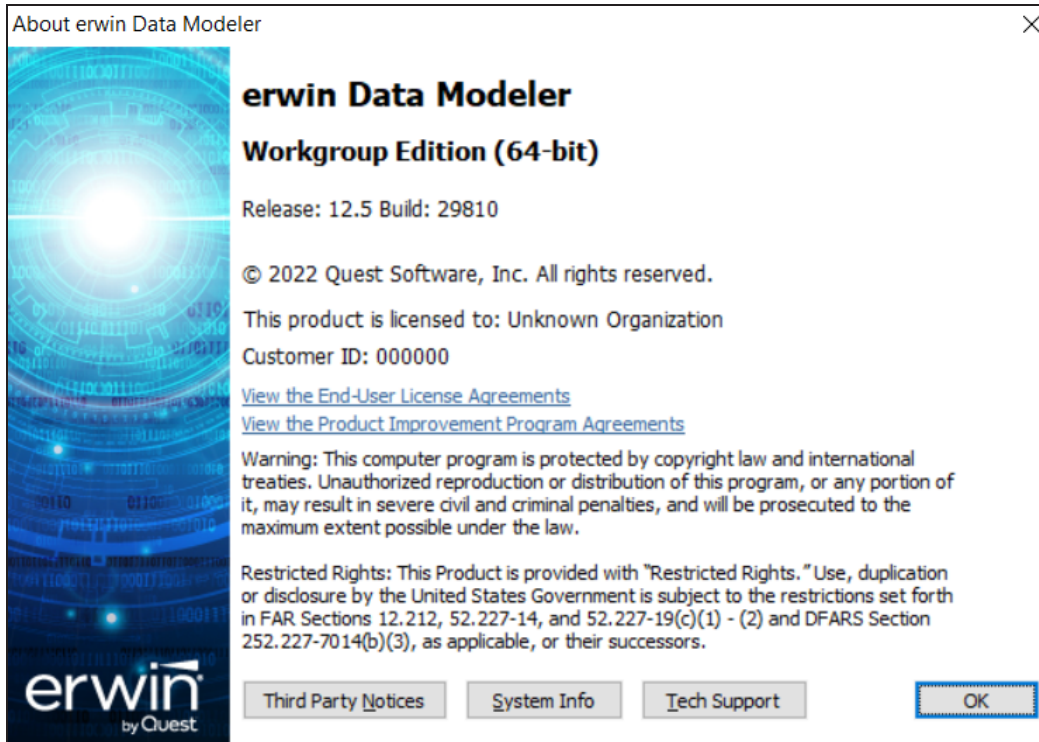
[Supported Target Databases](#)

[erwin Data Modeler Workgroup Edition Requirements](#)

[erwin Data Modeler Navigator Edition Requirements](#)

Release Numbering Scheme in erwin Data Modeler

Information about the release is displayed in the *About erwin Data Modeler* dialog using the following release numbering scheme:



Release indicates the main (GA) release number and the second number (if available) indicates the patch or service pack number of the main release. Build indicates the build number of the product. For example, "Release: 12.5 Build: 29810" on the above screen indicates Release 12, Patch 5, Build 29810.

Operating System Support

To run erwin Data Modeler it is recommended that you have the latest version of one of the operating systems installed:

- Microsoft Windows 10
- Microsoft Windows 11
- Microsoft Windows Server 2012, R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Microsoft Windows Server 2022

As a best practice, always upgrade your operating system to its latest available version.

System Requirements

You can use any of the following combinations to install erwin Data Modeler, the Mart database, and the Mart Portal application:

- Install erwin Data Modeler, the Mart database, and the Mart Portal application on the same computer.
- Install erwin Data Modeler, the Mart database, and the Mart Portal application on different computers.
- Install erwin Data Modeler and the Mart database on one computer, and install the Mart Portal application on a different computer.
- Install erwin Data Modeler on one computer, and install the Mart database and the Mart Portal application on a different computer.

Ensure that you always install the Mart Portal application on the Windows operating system.

erwin Data Modeler

This topic includes the system requirements for the computers on which you plan to install erwin Data Modeler, the Mart database, and the Mart Portal application.

The following requirements must be met or exceeded for erwin Data Modeler to install and run correctly:

- Windows-based workstation
- 16 GB RAM
- 100 GB of disk space

Ensure that your screen resolution is 1024 x 768 or higher. Also, ensure that your display settings are always set to 100%. If your screen resolution is less than the minimum supported, some portions of the screen will not be visible.

System Requirements

erwin Mart Portal

The following requirements must be met or exceeded for the computer on which you install the Mart Portal application:

Hardware requirements (based on physical hardware performance, not a virtual environment):

- 16 GB RAM
- 100 GB of disk space or more as required to support your specific mart

Operating system requirements:

- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- Microsoft Windows Server 2022
- Microsoft .NET Framework 4.0 and above
- All current Microsoft Windows critical updates

Database:

- Microsoft SQL Server 2014 SP3, 2016 SP2, 2019, 2022 certified version 2017, Microsoft SQL Azure 12, and Amazon RDS SQL Server 2019.
- Oracle 12c r2, 18c, 19c, and 21c
- PostgreSQL 15.3, 14.8, 13.11, 12.15 and 11.20. You can also use PostgreSQL certified version 11.18 for Amazon Aurora.

The erwin Mart Portal web client meets the following requirements:

Supported browsers:

- Microsoft Edge v107 or newer
- Mozilla Firefox v107 or newer
- Google Chrome v107 or newer
- Apple Safari 16.1 or newer

Ensure that your screen resolution is 1024 x 768 or higher. If your screen resolution is less than the minimum supported, some portions of the screen will not be visible.

Administrative Privileges Required

Ensure that you have administrative privileges in the following scenario:

- **erwin Data Modeler:** The installation process for erwin Data Modeler (DM) writes to the registry and system folders. If you install, upgrade, or remove erwin DM without Administrative privileges, all files may not be installed or upgraded, causing problems while running the software.

Supported Target Databases

erwin Data Modeler (erwin DM) supports or is compatible with the following target databases:

Database Name	Type	Version	Notes
AlloyDB	Relational	1.1	
ArangoDB	NoSQL	3.x	
Avro	Big Data	1.x	
Amazon Key-spaces	NoSQL		
Azure Synapse	Big Data		
Cassandra	NoSQL	3.x/4.x	
Couchbase	NoSQL	6.x 7.x	
Databricks	Big Data		
Db2 for i	Relational	5.x/6.x/7.x	
Db2 LUW	Relational	9.5 9.7/10.x 11.1	
Db2 z/OS	Relational	8.1 9.1/10/11 12	
DynamoDB	NoSQL		

Supported Target Databases

Database Name	Type	Version	Notes
Google BigQuery	Big Data		
Hive	Big Data	2.1.x	Refer to the Limitations in Hive topic.
Informix	Relational	10.x/11.x/12.x	
JSON	Big Data	1.x	
MariaDB	Relational	10.4.x	
MongoDB	NoSQL	4.x 5.x 6.x	
MySQL	Relational	8.x	MySQL 8.0.23 is certified for Amazon Aurora.
Neo4j	NoSQL	4.2.x 4.3.x/4.4.x	
Netezza	Relational	7.2	
ODBC	Relational	2.x 3.x	
Oracle	Relational	12c r2 18c 19c 21c	

Supported Target Databases

Database Name	Type	Version	Notes
Parquet	Big Data	2.x	
Progress	Relational	9.x/10.x/11.x	The erwin Data Modeler 64-bit version is not verified for the Progress 9.x/10.x database.
PostgreSQL	Relational	9.6.x/10.x/11.x/12.x/13.x/14.x/15.x	PostgreSQL 9.6.21, 9.6.24, 10.16, 10.20, 11.11, and 11.14 are certified. PostgreSQL 11.8 is certified for Amazon Aurora.
Redshift	Relational	1.0	
SAP ASE	Relational	15.x/16	
SAP IQ	Relational	15.x/16	
SAS	Relational		
SQL Server	Relational	2012 2014 2016/2017 2019/2022 Azure	
Snowflake	Relational		
Teradata	Relational	14.10	

Supported Target Databases

Database Name	Type	Version	Notes
		15.x/16.x 17.x	

Limitations in Hive

The following list summarizes the limitations in pure Hive (connection to Hive database directly):

- Reverse engineering from database processing is slow due to the absence of system tables. The required information is retrieved by manual parsing methods instead of a query language.
- User-defined functions are not supported.
- Retrieval of version information using the Hive command is not supported.
- A few index properties, such as deferred rebuild option, idxProperties, and Null Defined As are not supported.

erwin Data Modeler Workgroup Edition Requirements

If you plan to use erwin Data Modeler Workgroup Edition, review the following requirements to ensure your workgroup environment is set up properly.

More information:

[Administrator Server System Requirements](#)

[DBMS Requirements](#)

[Client Workstation Requirements](#)

Administrator Server System Requirements

The disk space required for the administrative files used to create and manage the database is separate from the disk space required to accommodate models on the server where the database is located. Greater CPU speed, and more RAM and disk space result in better performance.

DBMS Requirements

Before you install erwin Data Modeler to use a Mart Portal in a workgroup environment, ensure that you are using a supported DBMS as your host server. This release supports the following host DBMSs:

- Oracle 12c r2, 18c, 19c, and 21c
- Microsoft SQL Server 2014 SP3, 2016 SP2, or certified versions 2017 and 2019. You can also use Microsoft SQL Azure 12 and Amazon RDS SQL Server 2019.
- PostgreSQL 15.3, 14.8, 13.11, 12.15 and 11.20. You can also use PostgreSQL certified version 11.18 for Amazon Aurora.

To create, update, or delete a mart in erwin Data Modeler Workgroup Edition, you must have the following database rights:

- Microsoft SQL Server 2014 SP3, 2016 SP2, or certified versions 2017 and 2019 you must be the database owner (dbo).

The dbo is no longer required to have the sysadmin role. The SQL Server 2012, 2014, 2014 SP1, 2016, 2016 SP1, 2016 SP2, 2017, and 2019 TRUSTWORTHY database property is no longer required for the mart. After you install this product, you can optionally reset this property to OFF.

- For Oracle, you must be the database schema owner and have the DBA role.

Before you install Mart on the server, verify that the DBMS environment is prepared for the installation, and that the server system requirements meet at least the minimum specifications. At least one user with administrative privileges is available on the DBMS.

The dbo role for Microsoft SQL Server is necessary only during the installation or upgrade. You can strip the installer of the dbo role after the installation or upgrade is complete.

For more information about preparing the DBMS environment, see the erwin Data Modeler Workgroup Edition Implementation and Administration Guide.

Client Workstation Requirements

You must install erwin Data Modeler on each client workstation that needs to access the Mart Portal to connect to the Mart. It is recommended that client workstations have at least 16 GB of RAM.

You can install erwin Data Modeler Navigator Edition as a client for erwin Data Modeler Workgroup Edition.

In a workgroup environment, erwin Data Modeler can connect to the Mart Portal with the same release version.

erwin Data Modeler Navigator Edition Requirements

If you plan to use erwin Data Modeler Navigator Edition, review the following requirements to ensure your environment is set up properly.

Support for erwin Data Modeler Navigator Edition

erwin Data Modeler Navigator Edition is enabled for use with a mart-enabled version of erwin Data Modeler (Workgroup Edition). Consult with your mart administrator for a GUEST user permission to access models in erwin Data Modeler Workgroup Edition.

You must use a supported DBMS. This release supports the following host DBMSs:

- Oracle 12c r2, 18c, 19c, and 21c
- Microsoft SQL Server 2014 SP3, 2016 SP2, or certified versions 2017 and 2019, and Microsoft SQL Azure 12
- PostgreSQL 15.3, 14.8, 13.11, 12.15 and 11.20. You can also use PostgreSQL certified version 11.18 for Amazon Aurora.

Installation Considerations for erwin Data Modeler Workgroup Edition

Review the following installation considerations before installing the product. For more information about the installation process for a workgroup environment, see the erwin Data Modeler Workgroup Edition Implementation Guide.

This section contains the following topics

[erwin Data Modeler and Mart Release Numbers](#)

[Microsoft SQL Server 2005 onward Permissions](#)

[Specify Use of Foreign Characters With Microsoft SQL Server](#)

erwin Data Modeler and Mart Release Numbers

You must install a Mart or must upgrade to a Mart that is of the same release number as erwin DM. For example, install or upgrade to an r9.5.0 Mart when you install or upgrade to erwin DM r9.5.0. Using different versions of erwin DM and Mart may lead to unexpected results including corruption of the Mart database or the models. Therefore, we recommend that you install the same release of the Mart and erwin DM.

Microsoft SQL Server 2005 onward Permissions

For SQL Server 2005 onward, you only need to have public assigned to save to the mart. However, when the repository is on a SQL Server 2005 or above instance, you need to have the bulkadmin permission designated as well. The ability to do bulk inserts (which was permitted by public, previously) is no longer part of the public permission. You must explicitly define this permission or when you attempt to save a model to a new mart instance created using a SQL Server 2005 or above database, an error "You do not have permission to use the bulk load statement." is returned.

Specify Use of Foreign Characters With Microsoft SQL Server

For Microsoft SQL Server modify your registry settings to have certain foreign language characters in your models recognized.

Follow these steps:

1. Click Run on the Start menu.
2. Enter *regedit*.

The Registry Editor opens.

3. Verify or add the following registry entry:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\MSSQLServer\Client\DB-Lib]
```

```
"AutoAnsiToOem"="ON"
```

```
"UseIntlSettings"="ON"
```

4. Click File, Exit.

Your configuration is set to recognize foreign language characters in your models.

[▲ Back to Top](#)

Installation Considerations for erwin Data Modeler Navigator Edition

Review the following installation considerations before installing the product. See the erwin Data Modeler Navigator Edition User Guide for more information about the installation process.

This section contains the following topics

[Silent Install](#)

Silent Install

This product does not provide an unattended or silent install.

General Considerations for Using erwin Data Modeler Workgroup Edition

The following sections contain general information you should know before using erwin Data Modeler in a workgroup environment.

This section contains the following topics

[Model Display in the Difference Reconciliation Dialog](#)

[Uninstalling erwin Data Modeler Workgroup Edition](#)

Model Display in the Difference Reconciliation Dialog

In a workgroup modeling environment, two users may check out and make changes to the same model. The first user may make changes to the model and save the changes to the mart. When the second modeler makes changes and saves them to the mart, the Difference Reconciliation dialog is displayed. You use features in this dialog to view the differences on the object level, the more detailed property level, or search the text of the comparison lists.

In the Difference Reconciliation dialog, the model in the left pane is the current model that you are checking in to the mart. The model in the right pane is the version of the model already in the mart.

Uninstalling erwin Data Modeler Workgroup Edition

You can use the Windows uninstall utility to uninstall erwin Data Modeler. However, when you uninstall erwin Data Modeler in a workgroup environment, the mart database remains intact. To remove the database from your computer, delete the mart database first, and then uninstall erwin Data Modeler.

General Considerations for Using erwin Data Modeler Navigator Edition

The following sections contain general information you should know before using erwin Data Modeler Navigator Edition.

This section contains the following topics

[Model Display in the Difference Reconciliation Dialog](#)

[Help Files](#)

Model Display in the Difference Reconciliation Dialog

In a workgroup modeling environment, two users may check out and make changes to the same model. The first user may make changes to the model and save the changes to the mart. When the second modeler makes changes and saves them to the mart, the Difference Reconciliation dialog is displayed. You use features in this dialog to view the differences on the object level, the more detailed property level, or search the text of the comparison lists.

In the Difference Reconciliation dialog, the model in the left pane is the current model that you are checking in to the mart. The model in the right pane is the version of the model already in the mart.

Help Files

The context sensitive online help in erwin Data Modeler Navigator Edition is identical to the online help in erwin Data Modeler. This means that the online help may discuss capabilities such as saving a model that is not possible in the erwin Data Modeler Navigator Edition product.

Known Issues

This section contains the known issues that you should review before using the application.

[Auto Denormalization via Target Database Dialog Box causes Object Count Mismatch](#)

[NoSQL- nested structure models-harvesting to erwin Web Portal is not supported](#)

[erwin Mart - Cassandra: Exporting Cassandra model into DI displays the Column Definition value in Column Comments](#)

[FE: The Thick option is not saved on the Edit Options page in the Preview](#)

[erwin Mart - Azure SQL: The Settings and DI Configuration tabs do not display password](#)

[MySQL RE: Column Format and Storage Memory options are not retrieved](#)

[Switching JDBC connection from one target DBMS to the other produces error](#)

[Azure Synapse REDB: Same View\Materialized View with same name and different schemas REDB produces unexpected results](#)

[UI: erwin DM Crashes on Creating an Object with Max Length and Deleting](#)

[FE Options Selected in Custom Option Set are not Retained](#)

[RedShift FE - Few functions do not execute from erwin DM FE Wizard](#)

[Redshift REC - Comments are Truncated at 65536 Characters](#)

[RedShift REC - The properties are not retrieved for library object in RedShift](#)

[RedShift REC-Column Values need to Follow the Exact Order According to Partition Specification](#)

[Redshift REC - Performance is Slow in Redshift for REDB Process](#)

[Db2 z/OS-ESX-1015,190110 Messages are Displayed on Copy-pasting a Table that has a Period Clause](#)

[NSM P to L: Derive PO Model to LO with NSM Template Attached](#)

[erwin Data Modeler cannot Connect to erwin Mart Portal on Host Machine](#)

[Netezza REC- Comments are Truncated at 1024 Characters](#)

[SQL 1105 Error](#)

[Model and Version Name Limit on Oracle](#)

[.Net Requirement](#)

[Report on Glossary Words Includes Extra Characters](#)

[Updating Profile Description from Notepad](#)

[Unwanted Result Rows in Report](#)

[DSM Logical to SQL Server 2012](#)

Known Issues

[Report Designer Functions for a Large Model](#)

[Incorrect UDP in UDP Report](#)

[Invalid Column Node for Db2 LUW Model in View Report](#)

[Mart Portal Name in Korean](#)

[Generating Reports with Korean Characters in User Name](#)

[Error While Creating a Profile Using Special Characters in Mart Portal](#)

[File IO: For a Parent or Child Table with Multiple Child Tables, Other Child FK Attributes are Highlighted on Mouse Hover on One Relationship](#)

[Owner Name not Displayed while Sorting a Guided Editor's list of Objects](#)

[Google BigQuery: Row Access Policies are not retrieved after REDB](#)

[Oracle: Alter script is not generated for columns in a Materialized View](#)

[Oracle: Alter script is not generated for columns in a View](#)

[Oracle: Alter script is not generated and comments are deleted for Materialized Views](#)

[Oracle: Views and Materialized Views disappears from the ER diagram](#)

[Oracle: Alter script is not generated and comments are deleted for Views](#)

[Snowflake: Views with certain syntax are not reverse engineered](#)

[Snowflake REDB: Performance degradation when Tag object is selected](#)

[Snowflake REDB: Errors are displayed when the database contains more than 10,000 tables](#)

[MariaDB REDB: Error is displayed while connecting database through JDBC](#)

[DM Connect for DI: Valid values are not exported, if the name exceeds 200 characters](#)

[Couchbase Cloud: Full Text Indexes, Buckets, View, and User Objects are not completely supported](#)

[Teradata 14.10, 15.x/16.x: REDB with JDBC Connection Issues](#)

[Teradata 17.x REDB: 'With Check' property of Tables are not retrieved in the Relationship Editor](#)

[Teradata 17.x: Procedure and Function displays Syntax error during REDB](#)

[FE into DDL or Database with SCAPI does not generate Schema](#)

[MySQL REDB: Reverse Engineering different Schemas display Views with the same Table name](#)

[Duplicate Triggers are created when you reopen .XML Model](#)

[Alter script is not generated in the Alter Script Wizard, when an User Defined View is renamed/modified](#)

[Report Designer displays Data Vault objects and properties under the Database for a Logical report type](#)

Known Issues

[PostgreSQL/AlloyDB 1.1: Duplicate Inherited Tables are retrieved after REDB](#)

[Copy-Paste: Renamed column name is migrated as role named column when you copy paste in the PO model](#)

[Model Checkout: Opening a checked out model in Mart displays Read Only error](#)

Auto Denormalization via Target Database Dialog Box Results in Incorrect Object Count

While converting a relational model to a NoSQL model via **Actions > Target Database**, auto denormalization results in incorrect object count in the resultant model.

To avoid this, for relational to NoSQL model conversion, use **Actions > Design Layers > Derive New Model**. This preserves the original model and creates another NoSQL model.

NoSQL- Nested Structure Models-Harvesting to erwin Web Portal is not Supported

Harvesting NoSQL nested structure models to erwin Web Portal is not supported.

erwin Mart - Cassandra: Exporting Cassandra Model into DI displays the Column Definition Value in Column Comments

erwin Mart - Cassandra: Exporting Cassandra Model into DI displays the Column Definition Value in Column Comments

The export of a Cassandra model into erwin DI using DM connect for DI is displaying unwanted values in erwin DI. After the export, the Column Definition value is displayed in the Column Comments.

FE: The Thick Option is not Saved in the Preview

Forward engineering with any database does not save the following options available in the **Preview > Edit Options > Editor**:

- Thick
- Automatic reload of externally modified files

erwin Mart - Azure SQL: The Settings and DI Configuration Tabs do not Display Password

The Settings and DI Configuration tabs do not display user password in the erwin Mart that is configured with Azure SQL.

MySQL RE- Column Format and Memory Storage Options are not Retrieved

Properties that are saved in the Show statement are not retrieved in the Column editor after Reverse Engineering MySQL.

Switching JDBC Connections from one Target DBMS to Other Produces Error

For RE connection there are two issues:

- There is no error message when JDBC is not connected to the database.
- There is an error when JDBC connection is switched from one target DBMS to the other.

Azure Synapse REDB: View or Materialized View with Same Name and Different Schemas
REDB Produces Unexpected Results

Azure Synapse REDB: View or Materialized View with Same Name and Different Schemas REDB Produces Unexpected Results

For a View\Materialized View with same name and different schemas REDB does not work as expected.

UI: erwin DM Crashes on Creating an Object with Max Length and Deleting

erwin DM crashes when an object is created with maximum length name and deleted.

FE Options Selected in Custom Option Set are not Retained

Options selected in forward engineering custom option set are not retained appropriately for MariaDB, Snowflake, SQL Server 2019, SQL Azure, and Azure Synapse databases.

RedShift FE - Few functions do not execute from erwin DM FE Wizard

Due to a limitation in the driver, few SQL language functions do not execute in DB from erwin DM FE wizard. However, the same functions work in the DB client.

Redshift REC - Comments are Truncated at 65536 Characters

Due to an ODBC restriction, all comments are limited to 65536 characters. In addition to this, retrieval of large number of characters in comments or SQL text, requires one to change the following under ODBC settings > Data Type Options:

- Increase the value of Max Varchar.
- Clear the Use Unicode option.

To retrieve the maximum length of the object names, select the Use Unicode option. At a time, you can choose to either retrieve large number of characters in comments/SQL text or object names.

Redshift REC - Properties of Library Object are not Retrieved

Due to unavailability of system tables to store library properties, the properties of a Redshift Library object are not retrieved.

RedShift REC-Column Values need to Follow the Exact Order According to Partition Specification

RedShift REC-Column Values need to Follow the Exact Order According to Partition Specification

Column values are retrieved only according to the column order defined in the Partition By clause. To ensure that column name and column values correctly map to each other, follow the column order defined in the Partition By clause in the Create statement.

Redshift REC - Performance is Slow in Redshift for REDB Process

The time taken for an REDB process on a Redshift database depends on the network speed and the geographical location of your database instance.

The following table shows the results for a database with 200 tables, 250 views, and other supported objects:

Network Speed	With all options in RE Option Set	Without Partition Element option (Default option set)	Without external tables (Unselect 'S3BucketObjects' option)
50 Mbps	4 Hours	3 Hours	2 Hours
1 Gbps	1 Hour	14 Minutes	4 Minutes

As a best practice, use the default option set when not working on Partitions.

Db2 z/OS-ESX-1015,190110 Messages are Displayed on Copy-pasting a Table that has a Period Clause

Db2 z/OS-ESX-1015,190110 Messages are Displayed on Copy-pasting a Table that has a Period Clause

While copy-pasting a Db2 z/OS table that has a period clause from one model to another, ESX-1015,190110 messages are displayed. Also, the period clause properties are not retained and are disabled on the UI.

NSM P to L: Derive PO model to LO with NSM Template attached

While deriving a PO model; that does not have NSM objects, to LO model, if you attach an NSM template, a List NSM Option Objects dialog is displayed. If you do not select an object here, although the model will be derived, naming standards will not be applied.

erwin Data Modeler cannot Connect to erwin Mart Portal on Host Machine

erwin Data Modeler (DM) cannot connect to the erwin Mart Portal (MS) on an erwin Mart Portal host machine. This happens because the client application version is different from the erwin MS version. To counter this issue, do the following:

1. Open Internet Explorer.
2. Click Internet options.
3. Go to the Security tab.
4. Set security level to low.
5. Click Sites.
6. Add `http://machine-name:18170/MartAdmin/` or `http://ip address:18170/MartAdmin/`
7. Try to connect the Mart from erwin DM with IP address or machine name.

API-Related Features do not Work on a Windows 2008 R2 SP1 Machine

On a Windows 2008 R2 SP1 machine, a bug in the operating system causes an access violation, due to which, API-related features (MITI, and erwin Spy) do not work.

Netezza REC- Comments are Truncated at 1024 Characters

Due to an SQL text retrieval restriction on Netezza side, all comments are limited to 1024 characters.

SQL 1105 Error

When you are upgrading to the current release on Microsoft SQL Server in a workgroup environment, during the mart conversion process, you may get the message "Sql 1105" if you run out of free hard disk space during the process.

Stop the conversion process, and either free or add hard disk space. Delete the already created r9 tables and then re-attempt the conversion.

Model and Version Name Limit on Oracle

In a workgroup environment, when you save a model to an Oracle mart, the model name must be less than 130 characters. If you exceed the 130 character limit, the model will not save. Because the version name is derived from the model name (for example, <ModelName>:<version number> by <UserName> on <VersionCreateDate>), you should use model names considerably less than 130 characters in length to avoid problems with saving a model version.

.Net Requirement

The current release requires .NET 4.7.1 to be installed on your system. If you do not have it installed, the erwin Data Modeler installation will attempt to install it. After you install the .NET framework, you must restart the computer to make the changes take effect.

Report on Glossary Words Includes Extra Characters

Suppose a report is generated on a model that includes an NSM object. If the glossary words are included in the report, extra characters appear for all glossary words.

Updating Profile Description from Notepad

In the erwin Mart Portal Profile Management page, suppose the description is copied and pasted from a Notepad file and is saved. The updated description displays syntax (\n) as well.

Unwanted Result Rows in Report

In a Subject Area report, suppose the Subject Area name is included in the report and the diagram name is specified at run time. The report lists all Subject Areas instead of the Subject Area that corresponds to the selected diagram.

DSM Logical to SQL Server 2012

Suppose a Logical/Physical SQL Server 2012 model is attached with a DSM object that is active. Suppose a new Logical Definition for the Number domain is created and mapped to SQL Server 2012 and Date is selected for domain. If the newly created Logical Definition is applied to a column in a model, and if the physical view is seen, the data type is still displayed as Number.

Report Designer Functions for a Large Model

Generating reports is a memory intensive process and when the data set is very large, the process uses the maximum memory. When the maximum memory is consumed, a warning message informs you that the application might stop responding if you continue processing the report. If you choose to continue to run the report and the memory is completely used, the program might stop responding. If you choose not to continue, the report execution is terminated.

To resolve this problem, you can generate multiple small reports with fewer properties.

Incorrect UDP in UDP Report

Suppose you want to generate a report on the UDPs using Report Designer. Suppose you have already created a UDP report template and generated the report for a different model. If you close the model, open another model, and use the same template to generate the UDP report, then the report includes the UDP name from the previous model. In the result grid, the column heading shows the UDP name of the previous model, while the UDP value is of the current model. In addition, the properties of the Report Explorer also shows the UDP name of the previous model. However, the Report Properties dialog shows the correct UDP name.

Invalid Column Node for Db2 LUW Model in View Report

In a Db2 LUW model, suppose a nickname table and a view exist and a Column Option level UDP is added to a column. If a View report is generated using the Report Designer, the Column Option node is available for View. If a user selects the Column Option node, the UDP is not included in the report for the selected column.

Mart Portal Name in Korean

Suppose that you provide the Mart Portal machine name in the Korean language (Korean characters) and configure the Mart Portal. If you try to connect to the Mart from erwin DM and you provide the Korean language name for Server Name, the following message appears:

```
The client application version is different from the Mart Portal version. Install the same version of the application and the Mart Portal and then try.
```

If you try to log in to erwin Mart Portal by using the Korean language name, it does not display.

Generating Reports with Korean Characters in User Name

Suppose that you have initialized a Mart with a user name that has Korean characters. You connect to the Mart with this user name and generate a report on Mart users (click Tools, Mart Reports, Global Reports, Users). The report is not generated and the message, You can not connect. Incorrect log on parameters is displayed. (The actual message is displayed in the Korean language. The message provided here is the translated message.)

Error While Creating a Profile Using Special Characters in Mart Portal

When you create a profile in Mart Portal using special characters such as !@#\$%^&*()_+={}:"-<>?|/.,;\[\], and space, you will get one of the following error messages repeatedly and the Mart Portal hangs.

```
Illegal Group
```

or

```
500 The call failed on the server; see server log for details
```

or

```
String index out of Range:1
```

To avoid this error, create a profile without using the special characters. When the Mart Portal hangs, refresh the Mart Portal.

File IO: For a Parent or Child Table with Multiple Child Tables, Other Child FK Attributes are Highlighted on Mouse Hover on One Relationship

File IO: For a Parent or Child Table with Multiple Child Tables, Other Child FK Attributes are Highlighted on Mouse Hover on One Relationship

If one parent/child entity has multiple children with different relationship lines, the migrated attributes in all child tables are highlighted on hovering the mouse on any one of the relationship lines.

For r7.x models being upgraded to r9.8, the work around for this is as follows:

On the Model Upgrade Wizard, go to the Subject Area tab and select the "Apply a default theme for all the diagram" check box and continue with the process.

Owner Name not Displayed while Sorting a Guided Editor's list of Objects

For Hive and Teradata the owner is a database and not an owner or schema. Therefore, while attempting to sort a guided editor (for example, Subject Area Editor) list of objects by Owner_Name + Object_Name, the owner name is not displayed.

Google BigQuery - Row Access Policies are not retrieved after REDB

Due to unavailability of metadata or python API, the row access policies are not retrieved after REDB for Google BigQuery.

Oracle: Alter script is not generated for columns in a Materialized View

If a Materialized View is using a User Defined SQL, alter script is not generated when a column is added, deleted, or renamed.

To avoid this, add the column changes directly to the DDL in the User Defined SQL tab.

Oracle: Alter script is not generated for columns in a View

If a View is using a User Defined SQL, alter script is not generated when a column is added, deleted, or renamed.

To avoid this, add the column changes directly to the DDL in the User Defined SQL tab.

Oracle: Alter script is not generated and comments are deleted for Materialized Views

If a Materialized View is using a User Defined SQL, alter script is not generated and comments are deleted when the Materialized View is renamed.

To avoid this, make the changes directly to the DDL in the User Defined SQL tab.

Oracle: Views and Materialized Views disappears from the ER diagram

When a User Defined SQL script is committed in a View or Materialized View object, the object is removed from the Entity Relationship (ER) diagram.

Oracle: Alter script is not generated and comments are deleted for Views

If a View is uses a User Defined SQL, alter script is not generated and comments are deleted when the View is renamed.

Snowflake: Views with certain Syntax are not Reverse Engineered

When you reverse engineer a Snowflake database, View objects are not imported if database contains:

- Identifier clause such as CREATE OR REPLACE VIEW IDENTIFIER('SERVICENOW_PROD.CMDB.change_request__VIEW')
- Column names such as NUMBER, ORDER, or SCOPE
- Clause named WHERE NOT IS_DELETED

Snowflake REDB: Performance Degradation when selecting Tag object during REDB

When you reverse engineer a Snowflake database, the process takes longer to complete if a Tag object is selected.

Snowflake REDB: Errors are displayed when the database contains more than 10,000 tables

Snowflake REDB: Errors are displayed when the database contains more than 10,000 tables

When you reverse engineer a Snowflake database with more than 10,000 tables, errors are displayed, and the tables are not imported.

MariaDB REDB: Error is displayed while connecting database through JDBC

When you reverse engineer a MariaDB database through JDBC, error is displayed because JAR (version 2.7.1) is not compatible with current version of JDK (version 17) in Data Modeler. But, JAR (version 2.6.1) is compatible with current JDK (version 17) in DM.

Couchbase Cloud Limitations: Full Text Indexes, Buckets, View, and User Objects are not completely supported

Couchbase Cloud Limitations: Full Text Indexes, Buckets, View, and User Objects are not completely supported

The following issues indicate limitations in the Couchbase Cloud:

- erwin Data Modeler crashes when you execute index statements from FE Wizard.
- Full Text Indexes, Buckets, Views, and User Objects do not execute from the FE Wizard.
- Full Text Indexes, Buckets, Views, and User Objects do not execute in Couchbase Capella.
- Index objects do not retrieve during REDB.

DM Connect for DI: Valid values are not exported, if the name exceeds 200 characters

When you use the validation rules, the valid values are not exported to DI if the names exceed 200 characters.

FE into DDL or Database with SCAPI does not generate Schema

Forward engineering into DDL or database does not generate schema with SCAPI.

Teradata 17.x REDB: 'With Check' property of Tables are not retrieved in the Relationship Editor

Teradata 17.x REDB: 'With Check' property of Tables are not retrieved in the Relationship Editor

The 'With Check' properties from the system tables are not retrieved during REDB in the Relationship Editor wizard.

Teradata 14.10, 15.x/16.x: REDB with JDBC Connection Issues

The following issues exist for Teradata database when you perform REDB using a JDBC connection:

- **Teradata 14.10:** Duplicate Replication Group is retrieved when you REDB using a JDBC connection.
- **Teradata 15.x/16.x:** Identity Options are not retrieved for Table Columns when you use a JDBC connection.

Teradata 17.x: Procedure and Function displays Syntax error during REDB

System defined functions and procedures display syntax error during REDB, as the RES grammar function is not supported.

MySQL REDB: Reverse Engineering different Schemas display Views with the same Table name

MySQL REDB: Reverse Engineering different Schemas display Views with the same Table name

When you reverse engineer different schemas, the Views from same table name are attached to the wrong tables. Also, same table name from different schemas are not handled.

Duplicate Triggers are created when you reopen .XML model

Duplicate Triggers are created when you reopen .XML model

Duplicate triggers are created when you save a model as .XML and reopen the same model.

Alter script is not generated in the Alter Script wizard, when an User Defined View is renamed/modified

Alter script is not generated in the Alter Script wizard, when an User Defined View is renamed/modified

When you modify the proprieties of a user-defiend views and skip the User Defined SQL tab, these modification are not displayed in the Alter Script wizard.

PostgreSQL/AlloyDB 1.1: Duplicate Inherited Tables are retrieved after REDB

Duplicate inherit tables are created after reverse engineering from PostgreSQL and AlloyDB 1.1 databases.

Report Designer displays Data Vault objects and properties under the Database for a Logical report type

Report Designer displays Data Vault objects and properties under the Database for a Logical report type

In the Report Editor wizard, the Data Vault objects properties are displayed under the Database for the Logical report type, instead, these should be displayed under the Model. In an usual scenario, the Database objects and properties are not displayed in a Logical report.

Copy-Paste: Renamed column name is migrated as role named column when you copy paste in the PO model

Copy-Paste: Renamed column name is migrated as role named column when you copy paste in the PO model

When you rename the PK column name in the Parent entity, then the migrated column name in the Child entity is not changed. This creates the role name with old column name in the Child entity when you copy the entities from one model and paste it into the PO model.

Model Checkout: Opening a checked out model in Mart displays Read Only error

When you open a checked out model (using Allow Model CheckOut option) from erwin Data Modeler in Mart, this displays a file read-only error.

Fixed Issues

This section includes the list of fixed issues in erwin Data Modeler and erwin Mart Portal 12.5.

Issue Number	Issue Description
01874936	The licensing feature 'Grace Period" is not working since 2021R1
01864657	RE from Oracle does not merge Unique Indexes and Constraints, this creates extra Indexes
01875275	Google Big Query: View does not display the parent structure hierarchy from the selected base column
01868235	Underscore missing for Table Names in 12.0, but shows in 12.1 after upgrading from 2021 R1
01872396	Oracle: Any variable datatype, e.g. VARCHAR (32767) in logical becomes, VARCHAR2 (4000) in physical
01867223	Recent file list shows model versions from Mart, instead of model itself
5086944	PostgreSQL FE Syntax: Columns have original datatypes rather than the User Defined Domains
01924063	Cassandra Modeling: Triple click on column in Logical view changes the column name to physical names
01917029	Google BigQuery: In the SA Editor, the

Fixed Issues

Issue Number	Issue Description
	tables are not prefixed with the Dataset
01912529	Match whole name is not working in glossary for Teradata models
1909366	Database objects: Switching from Sql Server to PostgreSQL, and back, loses Sql Server objects
01871885	GBQ FE: Clustered column uses logical name instead of physical column name, when a NSM is attached
	Erwin DM import and export / Erwin DM UI menu do not support for UTF-8 characters from literals
01884978	PostgreSQL cannot generate syntax for Indexes only, and it is allowed for Oracle
5134849	Unable to Reverse Engineer Snowflake views with comments
5087587	RE from Oracle database creates extra AK Indexes if database has both, Unique Indexes and Constraints
5037632	RE of certain Views from Snowflake displays error
01962662	Mart server API program called by python script, the token expires after four hours and displays error 500
1946629	Derive model: Deriving to a JSON model does not derive the attribute definitions
01931250	Google BigQuery: Consistent crash when

Fixed Issues

Issue Number	Issue Description
	exporting from the bulk editor to CSV
01920561	Google BigQuery: Table Partitions have incorrect selections
01920647/01924268/ 01924900	Multiple Cassandra Issues RE and User Defined Datatypes (UDD) issues
01920538	Cassandra logical and physical name attribute and column length is wrong
1917402	Error in Column Properties: Click on table and go to Column properties and the error is displayed
01883372	UDP values are lost when deriving/switching from a Relational to NoSQL database
1897618	Avro data types - DM doesn't support some Avro data type
01854059	Some properties cannot be reconciled during the three way merge in Mart
5139554	Google BigQuery: Partitioning clause issues
5118508	My SQL RE does not retrieve tables
1958256	Report Designer - After changing headings, the data appears in incorrect columns
01927855	Reverse Engineering HIVE DDL script fails on column containing special characters
01913303	RE from MariaDB script fails if the default has a value '00:00', and works for the value '23:59'

Fixed Issues

Issue Number	Issue Description
01914594	Redshift Views - WHERE clause does not retain conditions if modified
01839730	RE Views from SQL Server fails for some clauses
	RE My SQL is missing relationship and View contents
5062937	Google BigQuery FET file - Changes made to the FET files are not reflected in generated syntax
1980760	Avro schema generation - Default values are not generating for Avro models
01970395	Reverse engineering the SQL as SQL server database, this reverse engineers the view and base table. Snowflake gives syntax error and does not load the base table.
01821187	Move spectrum tables to the table filter during reverse engineering a Redshift database
02026694	Mart Server REST Report - New names do not show with the patch
01865530	ERwin DM Data Vault 2.0 limiting table to 29 columns
02036379	Azure Synapse forward engineer scripts have brackets around table names and column names
02025212	Avro PDM description to comment tab inconsistency

Fixed Issues

Issue Number	Issue Description
02024053/02004012	Bulk Editor does not work for importing Themes
01977434	erwin mart web services becomes unresponsive after a few hours of up time
01952741	RE from Databricks, the search functionality in the View window is not working
01924745	Erwin DM Automatically Shutdown in Reverse Engineering Process (Azure Synapse)
5111306	USER_FORMATTED_PHYSICAL_NAME property is not available from API in 12.0 / 12.1
02026694	Mart Server UDPs not being reported
02059318	For JSON target database, FIELDS/COLUMNS cannot be set as Physical Only
02061890	When deriving a physical only Couchbase model from a logical model, all comments of nested columns are lost
2048538	Schema Generation - Logical only key groups get generated to ddl
02000631	Pseudo Views/Ungenerated can not be hidden
02019150	Redshift: Alter script is not handling Column Comments for new Columns
02007894	SQL Server 2019 - RE of Collate in the default clause results in application crash

Fixed Issues

Issue Number	Issue Description
01952741	For Views in Databricks, RE does not handle empty comments and also IF clause
	Google BigQuery: Multiple Reverse Engineering issues
02024033	Google BigQuery should there not be a null option in the columns editor
5070629	For DB2 LUW 11.x, GRANT syntax is not generated without the Table having a Column
5067775	Schema generation - Db2 Z/os DSSIZE parameter not generating
5058891	Script expansion - ForEachTable does not filter to a table
5066515	JSON Normalization not working as expected
5051815	ECSHQ/DHS Unknown error
5068279	TECNETDATI Data Vault logical data type, domain is set to default & NULL OPTION
5064353	GoogleBigQuery -- Pre- Post Script is generated even though is unchecked for Generate - also macros not expanding
4992806	Default UDP values when deleted are considered as Null (not blank) - causing problem when using macros
4952899	SQL Server / Azure - Drop Table syntax is incomplete
4963171	Reverse Engineer from DB2 z/OS v 12.x

Fixed Issues

Issue Number	Issue Description
	does not handle multiple Synonyms for Views
4969403	Query Tool - (Select * from Subject_Area) not working - regression
5115247	Offline activation pops up support@erwin.com
5086944	PostgreSQL syntax - FE - Columns have original datatypes rather than User Defined Domains -- continuation of LH1-I140
5109557	Schema Generation - Azure Synapse Owner Override doesn't override drop statement
5107050	Google BigQuery - Null Option Display always shows Null instead of setting in 'General Option'
5101498	RE from MySQL script with quoted names fails
5103788/5103728	RE SQL Server DB: Unable to RE sequence objects SQL server db set to collation SQL_Latin1_General_CP850_BIN2
	Support Azure Synapse MFA no longer in authentication drop down list in R12
5092621	Deriving a PO model Avro 1.x from a LO model with Auto Denormalization checked off crashes erwin
5087587	RE from Oracle database creates extra AK Indexes if database has both, Unique Indexes and Constraints

Fixed Issues

Issue Number	Issue Description
5063993	SQL Server - RE of certain syntax for Defaults / Constraints gives error
5076231	MongoDB can't compare domains in CC
5054556	RE from Couchbase does not populate Documents if 'flavor' or Primary Index is missing
5034896/5006030	Schema Name not being displayed in Model Explorer - regression
5031645	Reverse Engineer of Secure views does not RE the secure view SQL - Snowflake
4969051	Reverse Engineer - Progress RE does not import primary keys
5123125	BigQuery display - Display doesn't show Not Null or Array
5117838	Reverse engineering Mysql script erwin crashes
5119829	Mysql Forward Engineering generate incorrect syntax on view statement
5111394	MySQL - FE does not manage delimiters properly for Triggers, Procedures, Functions and Events
5114664	Reverse Engineering from Snowflake DB Stored Procedure Passing same Parameters
5076231	MongoDB include the null and not null option in the physical column fields and domain editor of the physical model. Dis-

Fixed Issues

Issue Number	Issue Description
	allow drag n drop from domains to the PK column.
5083513	Database conversion - Domain changes switching from MongoDB to Sql Server
5100721	Recursive relationship position change can't be saved on a model @Teradata
5092514	can't save to mart java.lang.Integer cannot be cast to java.lang.String
5088166	Procedure and functions are in Preview of DDL but skipped in Generation to sqlserver 2019
5020890	Save Model changes to mart gives "class java.lang.Integer cannot be cast to class java.lang.String (java.lang.Integer and java.lang.String are in module java.base of loader 'bootstrap')
5002896	View SQL or User Defined SQL is truncated to 1024 characters in ODBC Query results
5134849	Unable to Reverse Engineer Snowflake DATE '9999-12-31'
5134018	Reverse Engineer - BigQuery reverse engineer stops processing
5129211	GBQ Model Denormalization lose properties of the columns
5087490	Post script generated as Pre-script in FE
5038247	BigQuery migration - Record/Struct types do not migrate to Views correctly

Fixed Issues

Issue Number	Issue Description
01857938	Oracle REBUILD TABLESPACE missing for Alter Script
5137020	Erwin not functioning on open (menus greyed out)
5142389/5076063	Black lines appearing over attributes
5141567	erwin DM crashes when saving erwin model as xml
5139638	Schema generation - BigQuery function comments generate syntax error when reverse engineered
5139083	Report Designer - BigQuery attribute definitions dont show in report
5120880	Report Designer export to Excel does not keep Date and Timestamp format
	VARCHAR2(32767) changes to VARCHAR2 (4000) on Upgrading from 2020 R2 to r12.1
5125390	Columns report layout is incorrect
5131927	SQL Server 2019 - CC Import of Stored Procedure does not generate any DDL
5128899	Data Warehouse CSV import does not handle commas inside text
5090162	Redshift - AZ64 encoding missing for data-types it can be associated with
5061496	DB2 LUW 11.1 - ENFORCED keyword should be for Constraints and not Indexes

Fixed Issues

Issue Number	Issue Description
5029733/105683	Model Explorer displays Verb Phrase under Relationships instead of Relationship name
5095997	5095997 SSA missing ~47 collections from the collections window during a reverse engineer
5085657	Attributes not appearing in mart report
5037632	RE of certain Views from Snowflake give error
5134849	Unable to Reverse Engineer Snowflake views with comments
5083999	Mart Portal enter a valid email address
4969403	Query Tool - (Select * from Subject_Area) not working - regression
5114664	Reverse Engineering from Snowflake DB Stored Procedure Passing same Parameters
5114664	Reverse engineering snowflakes script issue with File Format, sequence, stage and user
5134849	Unable to Reverse Engineer Snowflake DATE '9999-12-31'
5134849	Can't RES perceived reserved words in Snowflake, syntax error
5031645	Reverse Engineer of Views - Snowflake - creates a new database for each view REd

Appendix

This section contains the following topics:

[Third Party Software Acknowledgment](#)

Third Party Software Acknowledgment

Following are the third party tools used for erwin Data Modeler(erwin DM), erwin Mart Portal, and erwin ER360:

- Apache Server v2.4.57
- [Oracle 11G JDBC driver 11.1.0.6](#)
- AdoptOpenJDK for erwin DM: 11.0.19+7.
- JDK for erwin Mart Portal: 17.0.7.
- [Microsoft .NET Framework 4.7.1](#)
- OpenSSL 3.1.0.0
- TLS 1.2