



erwin Data Modeler

Release Notes

Release 14.0

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erwin Data Modeler Editions

The following editions of erwin DM are available:

[Standard Edition](#)

[Workgroup Edition](#)

[Navigator Edition](#)

[Academic Edition](#)

[Lite 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.

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

Workgroup Edition

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.

Lite Edition

erwin Data Modeler Lite Edition is a part of TOAD for Oracle bundle. With this edition, database developers and administrators, programmers, and data analysts can create and manage Oracle-based data models. For more information about erwin DM Lite Edition, refer to the [Working with erwin Data Modeler Lite Edition](#) topic.

Only Oracle database and versions 18c, 19c, and 21c are compatible with the erwin DM Lite Edition.

The key features of erwin DM Lite Edition include:

Reverse Engineering Models

You can reverse engineer a data model from an Oracle database or script using the Reverse Engineering feature. During reverse engineering, you can select database objects that you want to include in models.

Forward Engineering Models

You can generate database schema or alter script using the Forward Engineering feature. This feature supports schema generation for the objects in the Oracle database that you can use to forward engineer them to the database.

Creating and Accessing Models

You can create new Oracle models and open existing Oracle models for data modeling.

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:

- Domains
- Logical Model

Sample 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), erwin Mart Portal 14.0, and erwin ER360.

- [Data Vault 2.0](#)
- [Models in JSON Format](#)
- [Normalization-Denormalization](#)
- [PostgreSQL 16.2](#)
- [Azure DevOps Source Control Support](#)
- [Oracle Schema Support](#)
- [Reverse Engineering Configuration](#)
- [Database Support Updates](#)
- [Productivity and UI Enhancements](#)
- [erwin Mart Portal](#)
- [erwin ER360](#)
- [Third Party Tools](#)

The following sections walk you through a brief description of these features and wherever relevant, a reference to more information.

Data Vault 2.0

Data Vault components are now available when you create new models or open existing models. Additionally, you can clone existing Data Vault components and apply themes to tables based on the component type.

For more information, refer to the [Data Vault Modeling](#) topic.

Models in JSON Format

You can now save data models in the JSON format. This ability enables you to open data models in cloud-based web applications, and data localization.

For more information, refer to the [Save a Model as JSON](#) topic.

Normalization-Denormalization

The normalization and denormalization feature has been redesigned for efficiency and accuracy. Apart from this, starting erwin DM14.0, the normalization-denormalization process offers logical and physical separation for MongoDB, DynamoDB, Couchbase, Google BigQuery, AVRO, JSON, and Parquet data models. For these models, you can view the logical side as a logical model and the physical side as a database model, and you can modify both the logical and the physical side of the model.

For more information, refer to the [Normalizing and Denormalizing Models](#) topic.

PostgreSQL 16.2

erwin DM is now certified to work with PostgreSQL version 16.2.

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

Azure DevOps Source Control Support

You can now connect to Azure DevOps repositories and branches to save forward engineering scripts for Mart models. Azure DevOps enables you to use features, such as version control and collaboration with team members. For more information on connecting to Azure DevOps, refer to the [Connecting to Source Control Repositories](#) topic.

Oracle Schema Support

Support for Oracle Schemas has been added. For more information, refer to the [Defining Oracle Schemas](#) topic.

Reverse Engineering (RE) Configuration

You can now configure and save predefined reverse engineering options, which enables you to eliminate manual option selections and reuse these configurations for future RE jobs. Additionally, you can synchronize RE configurations between erwin DM and erwin DM Scheduler using predefined lists.

For more information, refer to the [Setting Predefined Reverse Engineering Options](#) topic.

Database Support Updates

Support for the following databases has been updated:

Database	Enhancements
Cassandra	<p>Cassandra support has been enhanced with:</p> <ul style="list-style-type: none">▪ Search Index support for DataStax Enterprise version 6.8▪ Ability to reverse engineer from scripts with search indexes▪ Ability to forward engineer models with search index to a database or DDL script <p>For more information, refer to the Cassandra topic.</p>
Google BigQuery	<p>Google BigQuery support has been enhanced with:</p> <ul style="list-style-type: none">▪ Primary Key and Foreign Key functions for enhanced data integrity and relational mapping▪ New property sets for Datasets, Table, Column, Materialized View, Function, and Stored Procedure objects, offering flexibility and customization. New property sets are supported across Forward Engineering and Reverse Engineering features.▪ Remote function capabilities for remote operations. <p>For more information, refer to the Google BigQuery topic.</p>
MongoDB	<p>MongoDB support has been enhanced with:</p> <ul style="list-style-type: none">▪ Save Field Value option on the Detailed Options tab of the Reverse Engineer Wizard▪ Support for Multiple Datatypes in the following scenarios:<ul style="list-style-type: none">• Objects within an array have an attribute with values of different datatypes• Multiple objects (documents) in a collection have attributes with the same name but different datatypes

New Features and Enhancements

Database	Enhancements
	<ul style="list-style-type: none">▪ Multiple Datatypes section under the General tab of the MongoDB Collection Field Editor▪ Enhanced array representation for collections with multiple arrays of geometric or geospatial like data, where REDB or RES fetches the collection's schema instead of array elements and displays only the 0th element of such arrays in the ER diagram▪ Enhanced array handling for arrays containing heterogeneous elements. Only the distinct datatype-values pairs from heterogeneous arrays are displayed. Duplicates are filtered, and each unique value is displayed only once. <p>For more information, refer to the MongoDB Enhancements topic.</p>

Productivity and UI Enhancements

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

- **erwin DM User Guide:** All information about to target databases with respect to objects, datatypes, reverse engineering, and forward engineering is now available upfront under the [Database Support](#) section.
- **Complete Compare:** Complete Compare now supports the Complete Compare Levels feature for the erwin DM Scheduler. The SCAPI support reduces the time taken to process data into a UI, providing faster, complete compare results.
- **Multiline Tabs:** All property editors now display properties in multiple rows of tabs. This provides access to all tabs without having to scroll horizontally.
- **Monolithic UI for Property Editors:** All property editors have monolithic UI, which adapts to any screen resolution, eliminates data truncation, and displays clutter-free data.
- **Properties Pane Enhancements:** The model properties pane now displays buttons (such as editor and drop-down buttons) next to each property, which enables you to easily identify editable properties.

New Features and Enhancements

- **Color Themes for Migrated Columns:** In addition to standard colors, theme and custom colors are now supported for migrated columns.
- **Field Editor:** All Field Editors for NoSQL models now have the Reset Order option.

For more information about the UI enhancements, refer to the [Productivity and UI Enhancements](#) topic.

erwin Mart Portal

erwin Mart Portal has undergone several enhancements:

- The UI has been redesigned to provide a modern experience with better usability.
- erwin Mart Portal configuration:
 - [Authentication](#): You can now create a list of up to 10 Active Directory domains. This enables you to access and add users from multiple domains.
 - [Database](#):
 - SQL Server mart now supports Windows Authentication.
 - PostgreSQL mart can now be based on any schema unlike earlier, where you could connect only to the public schema.
- The DM Connect for DI feature has been upgraded to support erwin DI v14.0.

erwin ER360

erwin ER360 offers two new modules:

- [Worksheet](#) is an extension of the Global Search feature and offers advanced filters and search configurations. Worksheet search results enable you to navigate to the resultant objects via links.
- [Collection](#) enables you to save metadata objects of interest in a collection of objects.

Third Party Tools

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

New Features and Enhancements

- erwin DM:
 - AdoptOpenJDK version has been updated to 11.0.24+8.
- erwin Mart Portal:
 - Apache Server version has been updated to v2.4.62.
 - JDK version has been updated to 17.0.12.

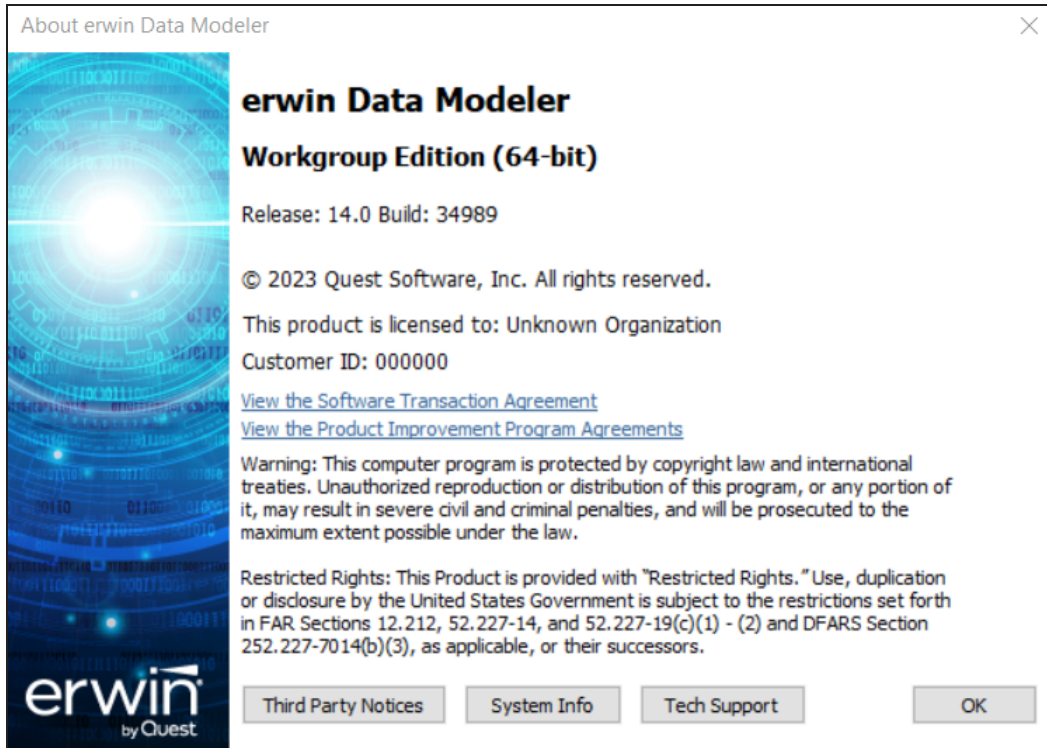
Prerequisites

Review the following prerequisites and information before installing erwin Data Modeler (erwin DM):

- [System Requirements](#)
- [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: 14.0 Build: 34989" on the above screen indicates Release 14.0, Build 34989.

System Requirements

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

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

erwin DM

This section explains the system requirements for the computers on which you plan to install erwin DM.

Parameter	Requirement
Hardware/Workstation	<ul style="list-style-type: none">• Windows-based workstation• Processor - 64-bit, minimum 4 cores• 16 GB RAM• 100 GB of disk space or more as required to support your requirements• 1024 x 768 or higher screen resolution• Display settings set to 100%
Operating System	<ul style="list-style-type: none">• Microsoft Windows 10• Microsoft Windows 11• (Optional) Microsoft Windows Server 2016• (Optional) Microsoft Windows Server 2019• (Optional) Microsoft Windows Server 2022• All current Microsoft Windows critical updates

erwin Mart Portal

This section explains the system requirements and prerequisites for the computers on which you plan to install erwin Mart Portal.

Parameter	Requirement	Additional Information
Hardware/Workstation	<ul style="list-style-type: none"> • VM or Dedicated Physical Server • Windows-based workstation • 100 GB of disk space or more as required to support your specific mart • Processor - 64-bit, minimum 4 cores • RAM: <ul style="list-style-type: none"> • Only erwin Mart Portal: 16 GB • Both erwin Mart Portal and erwin ER360: 32 GB 	
Operating System	<ul style="list-style-type: none"> • Microsoft Windows Server 2016 • Microsoft Windows Server 2019 • Microsoft Windows Server 2022 • All current Microsoft Windows critical updates 	
Database	<ul style="list-style-type: none"> • Microsoft SQL Server 2017, 2019, and 2022. You can also use Microsoft SQL Azure and Amazon RDS SQL Server. • Oracle 18c, 19c, 21c, and Oracle Cloud • PostgreSQL 12.x, 13.x, 14.x, 15.x, and 16.x. You can also use PostgreSQL for Amazon RDS. • For DM Connect for DI, the minimum SQL Server version requirement is SQL Server 2016 SP2 	<p>SQL Server:</p> <ul style="list-style-type: none"> • The Mart Portal can use a standalone or can share an existing database server for a Microsoft SQL Server. • The SQL Server 2017 and 2019 TRUSTWORTHY

System Requirements

Parameter	Requirement	Additional Information
		<p>database property is no longer required for the mart. After you install this product, you can optionally reset this property to OFF.</p> <ul style="list-style-type: none">• The database user account that is used to configure the Mart must have the dba_owner role assigned.• (Optional) To use the Korean language, use the Korean_wansung_CI_AS character set. Select the character set while creating the Mart database (in the Collation field). For more information, see the SQL Server documentation.

System Requirements

Parameter	Requirement	Additional Information
		<p>Oracle:</p> <ul style="list-style-type: none">• The Mart Portal can use a standalone or can share an existing database server for an Oracle database. You can also use a pluggable database.• To create the Mart, you must be the database schema owner user and you must have the DBA role in the target database on the Oracle server. The DBA role is required for the user who is specified in the Configure Mart Portal dialog. If the DBA privilege of this user is revoked, then erwin DM users will not be

System Requirements

Parameter	Requirement	Additional Information
		<p>able to save model changes to the Mart.</p> <ul style="list-style-type: none">• (Optional) You have modified the following parameters in the initialization file (InitSID.ora): <code>Remote_OS_Authent=T</code> <code>OS_Authent_Prefix=TRUE</code>• (Optional) To use the Korean language with the Mart database, use KO16MSWIN949 or AL32UTF8 character set depending on your operating system language pack. For more information, see the Oracle documentation.• If the Mart database is an

System Requirements

Parameter	Requirement	Additional Information
		<p>Oracle database, the default tablespaces that were used for initializing any earlier release of r9 series Mart are available for the latest release.</p> <p>PostgreSQL:</p> <ul style="list-style-type: none">• The Mart Portal can use a standalone or can share an existing database server for PostgreSQL.• The database user account that is used to configure the Mart must have super user permissions.
erwin Mart Portal Web Client - Browser	Latest versions of the following browsers: <ul style="list-style-type: none">• Microsoft Edge• Mozilla Firefox• Google Chrome	

System Requirements

Parameter	Requirement	Additional Information
	<ul style="list-style-type: none"> • Apple Safari 	
Web Client Workstation	<ul style="list-style-type: none"> • Processor - i3 or higher • RAM - 8 GB minimum • Minimum Free Space - 1-2 GB 	
Web Server	Apache Server 2.4.62	
JDK	17.0.12	
MartPortal Services	<p>In the C:\Program Files\erwin\Mart Portal\create_service.cmd, update the RAM size setting to increase the RAM in MBs:</p> <pre>reg add "HKLM\SYSTEM\CurrentControlSet\Services\erwinMartPortal\Parameters" /v Application /d "%JRE_HOME%\bin\java.exe" -Xms2048m -Xmx10240m -Dlogging.config="file:C:\Program Files\erwin\Mart Portal\MartApp\config\log4j2-portal.xml" -jar "C:\Program Files\erwin\Mart Portal\MartApp\MartPortal.jar"</pre> <p>That is, (2GB -10GB)</p>	
ER360 Services	<p>In the C:\Program Files\erwin\Mart Portal\create_service.cmd, update the RAM size setting to increase the RAM in MBs as follows:</p> <pre>reg add "HKLM\SYSTEM\CurrentControlSet\Services\erwinER360\Parameters" /v Application /d "%JRE_HOME%\bin\java.exe" -Xms2048m -Xmx10240m -Dlogging.config="file:C:\Program Files\erwin\Mart Portal\MartApp\config\log4j2-er360.xml" -jar "C:\Program Files\erwin\Mart Portal\MartApp\ER360.jar"</pre> <p>That is (2GB - 10GB)</p>	

System Requirements

Parameter	Requirement	Additional Information
Vault Services	<p>In the C:\Program Files\erwin\Mart Portal\create_service.cmd, update the RAM size setting to increase the RAM in MBs:</p> <pre>reg add "HKLM\SYSTEM\CurrentControlSet\Services\erwinVaultService\Parameters" /v Application /d "\"%JRE_HOME%\bin\java.exe\" -Xms2048m -Xmx4096m -Dlogging.config=file:C:\Program Files\erwin\Mart Portal\MartApp\config\log4j2-vaultservice.xml\" -jar \"C:\Program Files\erwin\Mart Portal\MartApp\vaultservice.jar\""" That is, (2GB -4GB)</pre>	

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

Administrative Privileges

Ensure that you have administrative privileges in the following scenario:

- **erwin DM:** The installation process 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	

Supported Target Databases

Database Name	Type	Version	Notes
DynamoDB	NoSQL		
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	12.x/13.x/14.x/15.x 16.x	PostgreSQL 16.2 is 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 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:

Database	Versions	Additional Details
Oracle	18c, 19c, 21c, and Oracle Cloud	
PostgreSQL	12.x, 13.x, 14.x, 15.x, and 16.x	You can also use PostgreSQL for Amazon RDS.
SQL Server	Microsoft SQL Server 2017, 2019, and 2022	You can also use Microsoft SQL Azure and Amazon RDS SQL Server.

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

- Microsoft SQL Server 2017, 2019, and 2022, you must be the database owner (dbo).

The dbo is no longer required to have the sysadmin role. The SQL Server 2017, 2019, and 2022 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 databases:

Database	Versions	Additional Details
Oracle	18c, 19c, 21c, and Oracle Cloud	
PostgreSQL	12.x, 13.x, 14.x, 15.x, and 16.x	You can also use PostgreSQL for Amazon RDS.
SQL Server	Microsoft SQL Server 2017, 2019, and 2022	You can also use Microsoft SQL Azure and Amazon RDS SQL Server.

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.

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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](#)

Known Issues

[DSM Logical to SQL Server 2012](#)

[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](#)

Known Issues

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

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

Denorm:Data loss (Tables are missing) when Denormalize the Parent and child having multi relationships in bidirectional or circular

Search Index:REC-Search Index properties are not retrieving from DSE Cassandra database while REC

Avro: Norm-De norm: FE: FE script for record containing the array of objects type is syntactically incorrect

Denorm-CC: Objects are not exported properly from MongoDB model to RDBMS models

MongoDB 6.x:RES: Retrieved duplicate fields after RE from the script

Logical\Physical: Migrated foreign key (Either Primary\Unique) column rename information not updating in the physical side properly

MITI-JSON models are not Exporting and Importing with MITI bridges

Google Big Query: UI: While creating a table (ER Diagram), trying to drag the columns from non-pk area to pk area and vice-versa are getting hidden from the UI.

Reporting:Oracle: 'Java' Object displaying in the Report designer for oracle database but its not a valid object

Korean OS: Korean JSON format file is not opening in Korean OS

Known Issues

PostgreSQL 16.x:RES: INDEX: No Syntax error is throwing while performing RES, Index method spgist ASC/DESC options should not set at UI

JSON:Logical/Physical: The specific Netezza REDB model that is attached is not being obtained as intended on the logical/physical side after being derived to JSON

PostgreSQL 16.x:RES: Function: Syntax errors while RE from the script

PostgreSQL 16.x:REDB: Procedure: SQL body is not retrieving after REDB

PostgreSQL 16.x:Alter:Materialized View:No schema generated after removing the Storage parameters

PostgreSQL 16.x:Alter: Tablespace: Script not generated in the alter preview, after removing the tablespace options

When we open the previous version Models the DV Object Attributes not setting any Domain parent and Data Type

JSON: Some garbage and extra characters are coming after save as model in JSON format and reopen

DB2 for Zos 13: For Db2 for Zos Certification in create Model, DL, Target DB change, CC and Reporting /13 should be added

JSON_SaveAs:GBQ:Select statement missing for template_code option in Function\Procedure object

Snowflake:REC: A database object is retrieved more times while REDB

JSON: While Saving and Opening the JSON model, a Progress bar with a color or percentage indication should be displayed

JSON: New line characters are displaying when we save the model into JSON format and then compare with original model

JSON: Foreign Key Constraint Name is retrieved extra in the JSON model when compared with erwin base model

JSON: Extra Underscore () is retrieved for Model Shapes and Auto Attached objects in the JSON model when compared with erwin base model

Known Issues

JSON: Extra Backslash is retrieved for Quoted words and Spaces are not generated in Comments in the JSON model when compared with erwin base model

JSON: Disk Volumes ('*') are not retrieved for storage groups in the JSON model when compared with erwin base model

JSON: Comments are retrieved extra for Domains, and Table Column Comments in the JSON model when compared with erwin base model

JSON: Column Headings are not retrieved in the NSM CSV file in the JSON model when compared with erwin base model

JSON: Bend Points are not retrieved for Model Shapes in the JSON model when compared with erwin base model

JSON : Opening the JSON file is taking time

Azure Devops: When Unselecting the "Auto Append" checkbox in the "Commit to Git" dialog, The Alter script file is not replaced in the Local path

Azure Devops: The "Username" and "Password" fields should be disabled or removed for Azure Devops connection in the "Git Connection Manager" dialog

Azure Devops: Should not be able to place a Cursor in the Greyed out fields i.e., "Git Repository" and "Git Branch" in the 'Commit to Git' wizard

Azure Devops: Proper Tooltip should be displayed when the mouse hovers over the "Git Connections" icon

Azure Devops: FE script is not Overwritten properly in the Local path while trying to save the two different DB FE scripts in one file

PostgreSQL 16.x : RES : TABLE: Not throwing any syntax error while performing RES with OIDS = TRUE

Azure Devops: When Providing Backslash or without Slash in the "Git Path" field, the Git Path name is appended to the File name, and the File is not saved in the Azure Devops

SQL Server:UI: When we derive the Logical only emovies model to SQL Server. One extra column is added on the physical side of the model

Known Issues

[PostgreSQL | REC | The erwin DM application is crashing while performing REC with Materialized View for Automation Database](#)

[Avro Norm-Denorm: Enum Field Naming Issue and Hidden Columns after Normalization](#)

[GBQ:Denormalization Issue with Views in eMovies Model Conversion to Google BigQuery](#)

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

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

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 data-base 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

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 properties of a user-defined views and skip the User Defined SQL tab, these modifications 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.

Denorm:Data loss (Tables are missing) when Denormalize the Parent and child having multi relationships in bidirectional or circular

Tables are missing on the physical side during denormalization when two tables have multiple relationships in a bi-directional or circular manner.

Search Index:REC-Search Index properties are not retrieving from DSE Cassandra database while REC

The Search Index Properties are not being fetched or retained in the RE model, even though the FE Schemas are generated in the database using the FE Wizard; they should be fetched from the database and retained in the reverse-engineered model.

Avro: Norm-De norm: FE: FE script for record containing the array of objects type is syntactically incorrect.

Avro: Norm-De norm: The FE script for the record with the array of objects type is syntactically wrong.

Denorm-CC: Objects are not exported properly from MongoDB model to RDBMS models

Not all objects are exported to the SQL Server model when exporting from the MongoDB model using the CC Wizard, so the SQL Server model doesn't match the one created by changing the target database.

MongoDB 6.x:RES: Retrieved duplicate fields after RE from the script

The MongoDB 6.x version encountered an issue where duplicate fields were retrieved after a RE from the script.

Logical\Physical: Migrated foreign key (Either Primary\Unique) column rename information not updating in the physical side properly

The primary key column name should be updated in all child tables as it is migrated, but it is not updating when switching to the Physical view of the model.

MITI-JSON models are not Exporting and Importing with MITI bridges

MITI-JSON models are not able to export and import with MITI bridges.

Google Big Query: UI: While creating a table (ER Diagram), trying to drag the columns from non-pk area to pk area and vice-versa are getting hidden from the UI

Google Big Query's ER Diagram hides columns when dragging columns from non-PK to PK.

Reporting:Oracle: 'Java' Object displaying in the Report designer for oracle database but its not a valid object

The 'Java' object displayed in the Report Designer for Oracle database is not a valid object.

Korean OS: Korean JSON format file is not opening in Korean OS

The Korean OS is experiencing issues with opening Korean JSON format files.

PostgreSQL 16.x:RES: INDEX: No Syntax error is throwing while performing RES, Index method spgist ASC/DESC options should not set at UI

PostgreSQL 16.x is experiencing syntax errors when performing RES, indicating that the index method spgist ASC/DESC options should not be set at the UI.

JSON:Logical/Physical: The specific Netezza REDB model that is attached is not being obtained as intended on the logical/physical side after being derived to JSON

The Netezza REDB model attached is not showing up correctly on the logical or physical side after being converted to JSON.

PostgreSQL 16.x:RES: Function: Syntax errors while RE from the script

The function is experiencing syntax errors while executing the RE function from the script.

r14.0::PostgreSQL 16.x:REDB: Procedure: SQL body is not retrieving after REDB

The procedure is experiencing issues with the SQL body not being retrieved after REDB.

PostgreSQL 16.x:Alter:Materialized View:No schema generated after removing the Storage parameters

PostgreSQL 16.x: No alter script generated after removing the Storage parameters.

PostgreSQL 16.x:Alter: Tablespace: Script not generated in the alter preview, after removing the tablespace options

The PostgreSQL 16.x version is experiencing an issue where the script is not generated in the alter preview after removing the tablespace options.

When we open the previous version Models the DV Object Attributes not setting any Domain parent and Data Type

The previous version of Models does not set any domain parent and data type when opening the DV Object Attributes.

JSON: Some garbage and extra characters are coming after save as model in JSON format and reopen

The JSON model in r14.0 is experiencing issues with extra characters and garbage after saving and reopening it in JSON format.

DB2 for Zos 13: For Db2 for Zos Certification in create Model, DL, Target DB change, CC and Reporting /13 should be added

For DB2 for z/OS certification, ensure that "12/13" is added in the Create Model, DL, CC, Reporting, Target DB change.

JSON_SaveAs:GBQ:Select statement missing for template_code option in Function\Procedure object

Select statement is missing in Function object under "Template_code" object in .json file model.

Snowflake:REC: A database object is retrieved more times while REDB

Snowflake:REC: A database object is retrieved multiple times during reverse engineering (REDB).

JSON: While Saving and Opening the JSON model, a Progress bar with a color or percentage indication should be displayed

The JSON model should display a Progress bar with a color or percentage indication when saving and opening it.

JSON: New line characters are displaying when we save the model into JSON format and then compare with original model

New line characters are appearing when the model is saved in JSON format and then compared with the original model.

JSON: Foreign Key Constraint Name is retrieved extra in the JSON model when compared with erwin base model

The Foreign Key constraint name is retrieved as an extra entry in the JSON model when compared with the original erwin base model..

JSON: Extra Underscore () is retrieved for Model Shapes and Auto Attached objects in the JSON model when compared with erwin base model

An extra underscore () is retrieved for model shapes and auto-attached objects in the JSON model when compared with the original erwin base model.

JSON: Extra Backslash is retrieved for Quoted words and Spaces are not generated in Comments in the JSON model when compared with erwin base model

The JSON model in Erwin 14.0 retrieves extra backslashes for quoted words and does not generate spaces in comments compared to the base model.

JSON: Disk Volumes ('*') are not retrieved for storage groups in the JSON model when compared with erwin base model

Disk volumes ('*') are not retrieved for storage groups in the JSON model when compared with erwin base model.

JSON: Comments are retrieved extra for Domains, and Table Column Comments in the JSON model when compared with erwin base model

Extra comments are retrieved for domains and table column comments in the JSON model when compared with erwin base model.

JSON: Column Headings are not retrieved in the NSM CSV file in the JSON model when compared with erwin base model

In version 14.0: JSON:

- Column headings are not retrieved in the NSM CSV file when compared with the original erwin base model.
- The order of words in the NSM CSV file differs from that in the erwin base model.
- Additional text is retrieved at the end of the NSM CSV file when compared with the erwin base model.

JSON: Bend Points are not retrieved for Model Shapes in the JSON model when compared with erwin base model

In version 14.0: JSON:

- Bend points are not retrieved for model shapes in the JSON model when compared with the original erwin base model.
- There are CC differences in the parent and child connector points when comparing the JSON model with the erwin base model.

JSON : Opening the JSON file is taking time

The JSON file takes time to open.

Azure DevOps: When Unselecting the "Auto Append" checkbox in the "Commit to Git" dialog, The Alter script file is not replaced in the Local path

Azure DevOps is experiencing issues with the Alter script file not being replaced in the local path when the "Auto Append" checkbox is unchecked in the "Commit to Git" dialog.

Azure Devops: The "Username" and "Password" fields should be disabled or removed for Azure Devops connection in the "Git Connection Manager" dialog

The "Username" and "Password" fields should be disabled or removed for Azure Devops connection in the "Git Connection Manager" dialog to prevent receiving the "Credentials are validated successfully!" message when providing incorrect details.

Azure Devops: Should not be able to place a Cursor in the Greyed out fields i.e., "Git Repository" and "Git Branch" in the 'Commit to Git' wizard

The cursor should not be able to be placed in the greyed out fields, such as "Git Repository" and "Git Branch," in the 'Commit to Git' wizard.

Azure Devops: Proper Tooltip should be displayed when the mouse hovers over the "Git Connections" icon

The tooltip is not properly displayed when the mouse hovers over the "Git Connections" icon.

Azure Devops: FE script is not Overwritten properly in the Local path while trying to save the two different DB FE scripts in one file

Azure DevOps is experiencing issues with the FE script not being properly overwritten in the local path when attempting to save two different DB FE scripts in one file.

PostgreSQL 16.x : RES : TABLE: Not throwing any syntax error while performing RES with OIDS = TRUE

PostgreSQL 16.x is experiencing syntax errors when performing a RES with OIDS = TRUE.

Azure Devops: When Providing Backslash or without Slash in the "Git Path" field, the Git Path name is appended to the File name, and the File is not saved in the Azure Devops

Azure Devops does not save files with a backslash or without a slash in the "Git Path" field.

SQL Server:UI: When we derive the Logical only emovies model to SQL Server. One extra column is added on the physical side of the model.

In the SQL Server UI, deriving the logical-only emovies model adds an extra column to the physical side.

PostgreSQL | |REC| |The erwin DM application is crashing while performing REC with Materialized View for Automation Database

The erwin DM application crashes when performing reverse engineering (REC) with a Materialized View for an Automation Database.

Avro Norm-Denorm: Enum Field Naming Issue and Hidden Columns after Normalization

When an enum field is declared under another allowed container type (e.g., array of object, object, union, etc.), after normalizing and adding a new column under the enum field, switching back and forth triggers the unique naming dialog box, and the columns become hidden on the logical side.

GBQ:Denormalization Issue with Views in eMovies Model Conversion to Google BigQuery

The denormalization process does not work properly when converting the eMovies model to a Google BigQuery database if the model has views.

Fixed Issues

This section includes the list of fixed issues in erwin Data Modeler and erwin Mart Portal 14.0.

Issue Number	Issue Description
02445672	Upgraded from 12.5 33096 to 12.5.2, and now the Default Views are lost in our Databricks Model 02445672
02346817	The DATETIME domains in 12.1, which had data type as DATE changed to data type NCLOB. 02346817
02290527	Forward Engineering Table generation order randomly changes - customer used to get a fix of CAEM_FEP.dll in 9.5.1 but seeing this problem again in 12.1/12.5.x
02242050	R12.5 - Reverse Engineer from SQL Server with ODBC causes a crash when invoking ODBC Administrator
02367597	Report designer table-column report is not sorting in physical order 02367597
02278254	No one can connect to the Mart model via the erwin modeler app using SSO 02278254
02306070	FK in Snowflake DDL Generation not applying quotes to the name 02306070
02278254	Cannot open 12.1 b29174 files in 12.5.1 02278254
02251068	Cannot open 12.1 b29174 files in 12.5.1 02251068
02188792	LH1-I659 - RE from Snowflake errors on some Reserved Words - Begin and End
02322629/ 02342680	Model entity displays with black bar - erwin 12.5 02322629 / 02342680

Fixed Issues

Issue Number	Issue Description
02241501	Reverse engineer Databricks script DATETIME is converted to DATE 02241501
02213422	SQL Server Connection with JDBC error - 02213422
02277378	Error committing to Git unable to find valid certification path to requested target 02277378
02301718	Welcome screen out of coordinates Do we have a way of surgically adjusting the welcome page without offsetting other properties in the registry 02301718
02356485	Table Owner field does not show in mart report 02356485
02425127	Oracle FE of RAW datatype adds CHAR to the precision 02425127
02425127	Oracle - Domain inherits inapplicable properties from its Parent Domain - worked fine in 2020 R2 - regression
02439198	GDM errors are frequent and cannot be resolved unless the mart model history is lost 02439198
02440299	CATERPILLAR Complete compare discrepancies.
02244853	Korean is not entered in the properties pane's Definition and comments
02432473	Databricks - Datatypes stored differently in the database - CC shows them as differences
02424515	Databricks - Datatypes change after the upgrade from R12.1 to R12.5.2 @ Estee Lauder
02419183	Snowflake - Alter Script only adds columns to the end of Table
02403968	Oracle - Synonym editor scroll bar not working
02396782	RE from Databricks is not picking up Partitions (also 023388551)

Fixed Issues

Issue Number	Issue Description
02392962	DB2 for LUW - GENERATED clause incorrect if ALWAYS or DEFAULT is not used
02378135	Oracle FE syntax generates the storage parameters even if they have no values - Nulls instead of blank
02378135	Oracle FE generated syntax order changed after upgrade from R2019 to R12.5.1 - is no longer Alphabetical
02356732	Databricks - Using Alter Script, deleting a non-key column with no dependencies still does not give DROP COLUMN.. syntax
02350883	For Databricks Functions, syntax has RETURNS - should be RETURN
02349892	When RE from an Oracle database, the Definitions are not populated from Comments
02274325	DB2 z/OS GENERATED property is not functional - it is also being confused with the Identity part
02259390	PostgreSQL 14.x - RE fails when retrieving FUNCTIONS
02213844	DB2 z/OS 12 - FE creates Partition syntax for either Tables or Indexes but not for both
02165769	Databricks - RES / REDB brings in CHAR() and VARCHAR() as Byte
02209622	LH1-I672 - Databricks - Forward Engineering - missing space between datatype and Comment syntax
0220455	LH1-I669 - RE during CC from PostgreSQL v. 12.6 gives GDM-33 and GDM-36 errors and also crashes
02158998	LH1-I633 - Export as XMLSpy fails because save as XML Repository is not working under some conditions
02156591	LH1-I625 Error on reverse engineering views with OVER clause SQL

Fixed Issues

Issue Number	Issue Description
	Azure 02156591
02156591	LH1-I625 Error on reverse engineering views with two condition IIF SQL Server Azure Script 02156591
02148216	LH1-I621 - SQL Server - Filestream clause cannot be modified in Column Editor
02306070	FK in Snowflake DDL Generation not applying quotes to the name 02306070
02265837/ 02294264	Default Datatype Mapping for Oracle 21c is incorrect; causes incorrect datatypes after a model is upgraded from a pre-2021 R1 version to R12.5 or R12.5.1 - SF 02265837 / SF 02294264 Domain data type
02295306	Can't make a Redshift domain null/not null on the physical side of the model in domain editor 02295306
02189383	After applying 12.5_cumulativePatch.zip, users are able to save and edit models where they don't have permissions 02189383
2140891	LH1-I632 - Complete Compare script - The Complete compare script does not generate datatype changes
02156591	LH1-I625 Error on reverse engineering views with OVER clause SQL Azure 02156591
2303888	Reverse engineering - RE does not import some Oracle primary keys
2337430	GitLab connection with a group does not connect
02403259	UDP Editor crash
02408440	Stored Procedure button does not show
2467961	Corruptions repeatedly showing in the model - Teradata

Fixed Issues

Issue Number	Issue Description
02253701	Table and Column COMMENT are not correctly escaped for Databricks
02198241	LH1-I658 - AVRO FE does not handle ENUM syntax
02251647	AVRO - no way to edit the information of "Data" (with upper D) - shows in erwinSpy
02245172	Avro Schema issue
02301417	Multiple Google BigQuery UI issues DM 12.1/12.5.1
02343965	Google BigQuery - Partitioning. Cluster FE syntax is not working
02380151	Report Designer's HTML report is not working well with the NoSQL Model - does not pick up data with diagram report
02389048	Derive from SQL Server to JSON does not generate "Comments" and "Is Required" syntax correctly
0242932	Missing JSON Schema Generated when using \$Ref Option for Nested Object in an Array
02432804	JSON - Renaming the field in Logical side is reflected under Properties but not under Object
0224404	GDM-33 when F/RE Cassandra . 'unchecked_tombstone_compaction' is set to false 02244045
02278307	Forward engineer BigQuery - Forward engineering Big Query uses logical names.
02452412	There are square brackets in their JSON, and they want them to be omitted 02452412 Liberty Mutual
01875202	Case 01875202- GBQ Attribute Editor UI - Attribute definition and column comment saves only last update

Fixed Issues

Issue Number	Issue Description
02186032	LH1-I643 - AVRO - Union Data Type values not populated in FE syntax
02135262	LH1-I642 - Avro syntax is incorrect after changing to Array
02119908	LH1-I603 Can't generate column comments after switching the target server from MS SQL to Avro 02119908
01938220	Post DM12.5: Deriving a model to JSON does not convert constraints and validation rules to Enums 01938220
02061890	LH1-I542 When Deriving a physical only Couchbase model from a logical model all comments of nested columns are lost 02061890
02195164	LH1-I654 - RE MongoDB 4.2.18 Retrieved 157 collections while UI wizard shows 348 collections
02165789	erwin can't connect to a MongoDB connection on prem that uses SSL certificates 02165789
02025212	Avro PDM description to comment tab inconsistency 02025212

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 v2.4.62
- AdoptOpenJDK for erwin DM: 11.0.24+8.
- JDK for erwin Mart Portal: 17.0.12.
- Microsoft .NET Framework 4.7.1
- OpenSSL 3.1.0.0
- TLS 1.3