erwin® Data Modeler by Quest®

Building the foundation for an optimized data journey

At a glance

erwin Data Modeler by Quest is an awardwinning graphical data modeling solution helping leading organizations worldwide find, visualize, design, deploy and standardize highquality enterprise data assets. The gold standard for more than 30 years, erwin Data Modeler has helped thousands of organizations reduce costs and enable faster time to value when designing, developing and delivering the data sources their businesses rely on each day.

erwin Data Modeler continues to invest in development to provide the solutions that the market needs to optimize their data landscape with the help of data modelling.

Solution focus

In a data driven world, effective data management is paramount for any organization aiming to harness the full potential of its data assets. erwin Data Modeler stands at the forefront, providing comprehensive solutions that address the critical challenges that organizations face every day in four major areas:

1. Data governance and compliance

erwin Data Modeler serves as a foundation to establish robust data governance frameworks to ensure data quality, consistency, and compliance with regulations. It provides the necessary tools to integrate data from diverse sources and standardize data definitions and formats. This approach mitigates risk, ensures regulatory compliance, and promotes consistent data usage across the organization, thereby reducing data silos and improving data accessibility and interoperability.

2. Migration and modernization

Ensuring accurate mapping, transformation and integration of data across legacy systems and new platforms, erwin Data Modeler supports a wide variety of databases and cloud environments. It offers a comprehensive view of the data architecture to identify dependencies and optimize the migration process. This reduces the risk of data loss, minimizes downtime, and ensures data integrity throughout the transition, directly contributing to more efficient and effective modernization projects. As a result, businesses can leverage new technologies and infrastructures with confidence and agility.

3. Improved data visibility and understanding

erwin Data Modeler allows users to build comprehensive data models that offer clear, visual representations of data structures and relationships. This enhances data understanding and communication across stakeholders, enabling better decisionmaking and fostering collaboration.

4. Efficiency database design and optimization

To enhance database performance across an Organization's database landscape, erwin Data Modeler enables efficient database design, development and optimization through advanced modeling and validation tools. This also helps to reduce development time and cost, ensure scalability and helps build more easily maintainable database architectures.

> **I wouldn't hesitate in recommending erwin, that's for sure. It's an easy-to-use, comprehensive modeling tool..**
>
> *Data Modeler at government agency*

Benefits:

- **Accelerate data-centric innovation** by mastering data architectures and infrastructure

- Heavily **reduce the time needed for analysis, development and maintenance** by increasing design quality and consistency

- Automate the documentation and migration of schema between diverse database technologies and deployment platforms for **scalability and adaptability** with new technologies

- Centralize model development for **consistency, governance and maximum reuse**

- **Accelerate data source analysis and target schema design** cycles in BI/analytics

- Master **data management & data warehouse/data lake initiatives**

- **Simplify integration and improve enterprise collaboration** by reducing silos with design implementation and metadata management standards

erwin Data Modeler product offerings

erwin Data Modeler Standard Edition is a powerful yet easy-to-use tool designed for individual users and small teams who need to create, visualize and manage database structures. It offers comprehensive capabilities for database design, including support for logical, physical and conceptual modeling, all within its intuitive interface. Ideal for organizations looking for a cost-effective solution, Standard Edition helps to ensure consistency, improve data governance and helps users document and optimize their databases effectively.

erwin Data Modeler Workgroup Edition is tailored for teams and organizations that are looking for advanced collaboration and governance features. Building upon the capabilities of the Standard Edition, Workgroup Edition includes version control, model change management, and role-based access to ensure that teams can collaborate seamlessly while maintaining data integrity and compliance. This edition is perfect for organizations that need to coordinate efforts across multiple users and projects, providing a centralized repository for managing and sharing data models across the enterprise.

erwin Safyr Option extracts and converts data from ERP, CRM and other enterprise applications for accurate modeling and analysis, and for the consolidation of duplicate systems.

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erwin ER360, a self-service visualization and collaboration portal provides read-only access to data models promoting collaboration among stakeholders, enhancing data understanding and data governance and accelerating data-driven decision making through improved data-business alignment.

erwin Data Modeler Mart on Cloud is a pure SaaS service. Quest will build host instances in the cloud, ensuring that customer data is secure and private. This allows for enhanced collaboration, DevOps capabilities via Mart and web-based model and repository administration, to name a few benefits.

Integration capabilities

erwin Data Modeler offers extensive support for an array of database platforms, making it a versatile tool for organizations with diverse data environments. Whether you're working with traditional relational databases like Oracle, SQL Server and DB2, or modern NoSQL and cloud-based databases such as MongoDB, Cassandra and Amazon Redshift, erwin Data Modeler provides robust capabilities for designing, managing and optimizing your data assets. This broad compatibility ensures that you can create consistent, high-quality data models across different systems, simplifying complex data landscapes and enabling seamless integration and migration efforts.
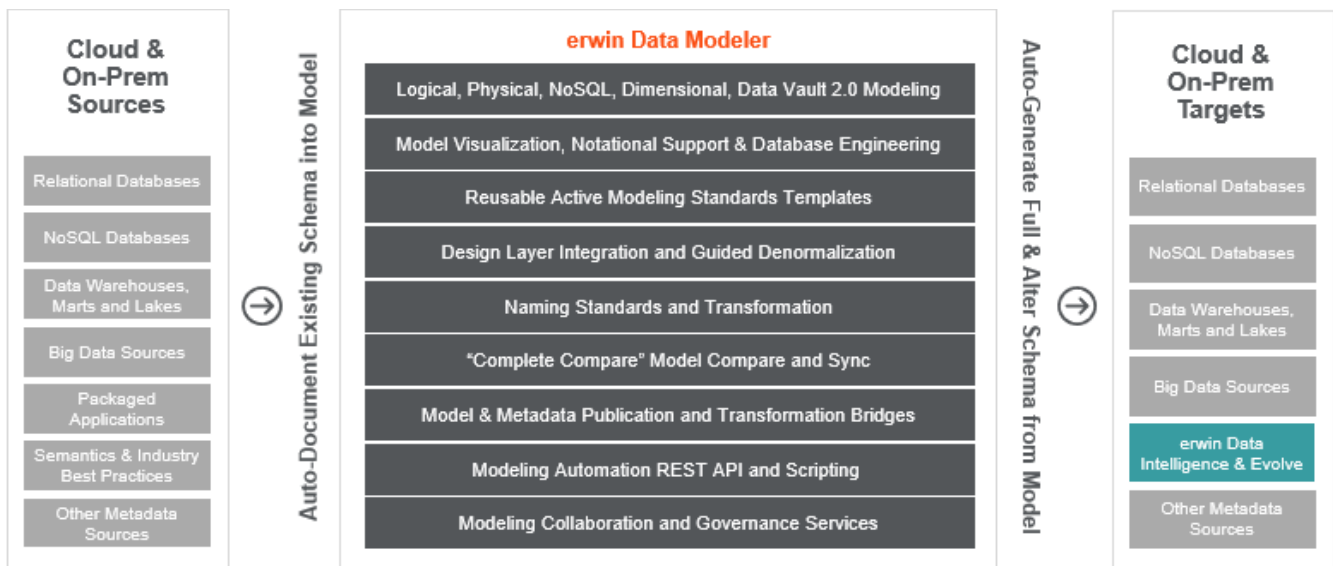
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Which edition makes sense for you?

Now let's take a look at a comparison of the feature sets of the different versions of erwin Data Modeler so that you can determine which one makes the most sense for the particular needs of your organization.

Feature	erwin Data Modeler Standard Edition	erwin Data Modeler Workgroup Edition	erwin Data Modeler Navigator
Visualization of ERD data structures	✓	✓	✓
Visualization of JSON data structures	✓	✓	✓
Reverse-engineering of existing databases/DDL scripts of ERD and NoSQL	✓	✓	
Schema generation to database/DDL script	✓	✓	
Native, JDBC and ODBC support for a wide range of cloud and on-prem database platforms	✓	✓	
Create, update and delete model metadata	✓	✓	
Search and browse model metadata	✓	✓	✓
Transform and/or de-normalize ERD structures to JSON like documents	✓	✓	
Model and database comparison and synchronization	✓	✓	
Ability to save models in a variety of formats	✓	✓	
Model publication and metadata reporting in PDF, HTML and text-based reports through intuitive point-and-click interface	✓	✓	✓
Compatible with either 64-bit Microsoft Windows operating systems	✓	✓	✓
Complete naming and data-type standards support/ definition	✓	✓	
Node-locked (workstation) or concurrent licensing	✓	✓	✓

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Feature	erwin Data Modeler Standard Edition	erwin Data Modeler Workgroup Edition	erwin Data Modeler Navigator
File-based model exchange (import/export) options to/from a wide variety of data management environments, including erwin Data Intelligence by Quest Software	✓	✓	
RE Scheduler to automate the offline reverse-engineering of databases into data models	✓	✓	
ODBC query tool for creating and running custom model and metadata reports	✓	✓	✓
Repository-based model storage and metadata sharing capability available on-prem or SaaS subscription in the cloud		✓	
Multi-user collaboration and conflict resolution		✓	
Change management and version control		✓	
User permission and security management controls		✓	
Full configurable modeling compliance feature that assures model quality and completeness		✓	
Business Glossary to associate business terms with model artifacts to provide business context and align with data governance		✓	
Centralized storage and reuse of naming standards in the modeling repository		✓	
Modern web-based repository administration		✓	
One-click push of data modeling data definition language (DDL) and request to GitHub/Git repository via Mart		✓	
Automated round-trip exchange and sync of data models and data intelligence artifacts between erwin Data Modeler and erwin Data Intelligence		✓	
Harvesting to erwin ER360		✓	

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Cloud & On-Prem Sources

- Relational Databases
- NoSQL Databases
- Data Warehouses, Marts and Lakes
- Big Data Sources
- Packaged Applications
- Semantics & Industry Best Practices
- Other Metadata Sources

Auto-Document Existing Schema into Model →

erwin Data Modeler

- Logical, Physical, NoSQL, Dimensional, Data Vault 2.0 Modeling
- Model Visualization, Notational Support & Database Engineering
- Reusable Active Modeling Standards Templates
- Design Layer Integration and Guided Denormalization
- Naming Standards and Transformation
- "Complete Compare" Model Compare and Sync
- Model & Metadata Publication and Transformation Bridges
- Modeling Automation REST API and Scripting
- Modeling Collaboration and Governance Services

Auto-Generate Full & Alter Schema from Model →

Cloud & On-Prem Targets

- Relational Databases
- NoSQL Databases
- Data Warehouses, Marts and Lakes
- Big Data Sources
- erwin Data Intelligence & Evolve
- Other Metadata Sources

Why erwin Data Modeler?

- **Support of any data, anywhere –** Take a unified approach to harmonizing platform inconsistencies and delivering a single source of the truth for enterprise business data.

- **Self-service discovery –** Extract information locked in off-the-shelf, cloud-based systems without the need for specialized knowledge of resources.

- **Automated generation of erwin data models –** Automatically generate native models with erwin Data Modeler, integrating ERP/CRM application metadata with other organizational data to effectively visualize data assets.

- **Easy browsing and understanding –** Complex, technical infrastructures ofthese systems can be browsed and understood more easily with technical names translated into intuitive, user-friendly business terms.

- **Reduced data management silos –** Break down the data management silos that naturally occur when new technology or new deployment models are adopted.

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.

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