

CA ERwin® Data Modeler Standard Edition

Visualize the Power of Your Data

CA ERWIN® DATA MODELER (CA ERWIN DM) STANDARD EDITION (SE) IS AN INDUSTRY-LEADING DATA MODELING SOLUTION THAT PROVIDES A POWERFUL WAY TO VISUALIZE DATA FROM MULTIPLE SOURCES ACROSS THE ORGANIZATION, INCREASING EFFICIENCY THROUGH REUSE AND STANDARDS, WHILE AT THE SAME TIME INCREASING DATA QUALITY AND PROVIDING A UNIFIED VIEW OF STRATEGIC DATA ASSETS

CHALLENGES

As data volumes continue to grow, companies must manage and maintain their data while facing increasingly complex challenges such as mergers and acquisitions, budget reductions and evolving technologies. Maintaining a competitive edge in any market requires faster, better decisions based on accurate data. In order to build high-performance business applications and data warehouses, organizations need to build a solid database foundation while at the same time they must also control the total cost of ownership over the entire data life cycle.

PRODUCT INFO

CA ERwin Data Modeler enables you to visualize complex data structures, inventory information assets and establish enterprise-wide standards for managing data. CA ERwin streamlines the design process by providing an easy-to-use graphical environment that simplifies database design and maintenance, automates many time-consuming tasks and enhances communication across your development organization, increasing both efficiency and data quality, while at the same time reducing costs.

BENEFITS

As the market leader in data modeling for over 20 years, CA ERwin understands how to manage complex data environments. Organizations like yours are using CA ERwin Modeling to manage their enterprise data management initiatives – managing complexity, increasing quality, and reducing maintenance and development costs. CA ERwin is a key component of any organization's enterprise information management infrastructure and a natural choice when it comes to designing and managing your information assets.

Key Features

CA ERwin Data Modeler Standard Edition increases productivity by providing an easy-to-use graphical environment that simplifies database design and automates many time-consuming tasks, accelerating the creation of high-quality, high-performance transactional and data warehouse databases. The ability to visualize large quantities of data objects in a graphical format helps promote effective communication between the business and technical stakeholders, ensuring that business requirements align with technical database implementations. With a visual design, database developers can address design issues and concerns prior to any significant resource investments, helping your organization respond faster to evolving business needs by highlighting the impact of change on information assets and allowing you to respond quickly and the ever-changing and quickly growing data environment.

VISUALIZATION OF COMPLEX DATA STRUCTURES ERwin provides a simple, graphic display to visual complex database structures in an easy-to-manage interface

DESIGN LAYER ARCHITECTURE ERwin offers unique flexibility to create multiple model layers, from logical to physical, to even higher-level models. Users can create logical and physical models that are completely separate, or create logical and physical models that are linked, allowing you to choose the implementation style best suited to your needs.

STANDARDS DEFINITION Reusable standards improve an organization’s ability to develop and manage their information assets in a cost and time effective manner. ERwin supports the definition and maintenance of standards through reusable model templates, the Domain Editor, the Naming Standards Editor and the Datatype Standards Editor.

LARGE MODEL MANAGEMENT ERwin helps you manage large enterprise-level models through subject areas and diagrams. These graphical views and model visualizations facilitate information exchange and collaboration among the different stakeholders in an organization. In addition, advanced features such as autolayout, on-demand UI components, and “bird-eye” navigation allow you to easily visualize large models.

COMPLETE COMPARE This powerful feature automates complete bidirectional synchronization of models, scripts and databases, compares one item with the other, displays any differences and permits bidirectional selective update. If model changes are targeted for a database, ERwin can automatically generate a database ALTER script, as desired.

DATABASE DESIGN GENERATION ERwin allows you to create database designs directly from visual models, increasing efficiency and reducing errors. Industry-leading database support includes optimized referential integrity trigger templates and a rich cross-database macro language, allowing modelers to customize triggers, scripts and stored procedures. Customizable templates facilitate the generation of a model’s complete physical design and definitions.

DATA WAREHOUSE AND DATA MART DESIGN The performance, usability and value of a data warehouse are determined by its underlying design. ERwin supports data warehousing-specific modeling techniques (such as Star Schema and Snowflake dimensional modeling), thereby optimizing the data warehouse for your performance and analysis needs. It also captures and documents a rich set of information about the warehouse, including data sources, transformation logic and data management rules.

REPORTING AND PRINTING Every copy of CA ERwin DM SE includes a copy of SAP Business Objects’ Crystal Reports. Customers can use out-of-the-box reports, or create their own. A generic ODBC interface is available for customers who use other reporting tools. Reports may be generated in a variety of formats, including HTML, PDF, RTF and TXT.

INTEGRATION & METADATA EXCHANGE WITH OTHER TOOLS It’s easy to integrate ERwin with other projects and tools with import or export from a wide variety of sources, including BI tools, MDM hubs, other data modeling tools, Extract, Transform, Load (ETL) tools and Unified Modeling Language (UML) tools.

New Features

CA ERwin Data Modeler r8 focuses on three main areas: **Visualization, Personalization**, and the ability to **Manage Data Complexity**. Key features that support these goals are listed below.

DIAGRAMMING AND VISUALIZATION CA ERwin r8 adds the integration of state-of-the-art diagramming technology to give you the flexibility of a drawing tool, combined with the power of an industry-leading data modeling tool. Not only will your models look better, but you’ll find them easier to create and manage as well.

MODEL DISPLAY THEMES AND FORMATTING OPTIONS New display themes give you the ability to customize colors, fonts, backgrounds, borders, and more to give you the options found in a drawing tool, without sacrificing data modeling functionality. Display Themes allow you to create reusable formatting themes for reuse among teams and projects—adding a common look and feel to cross-model efforts.

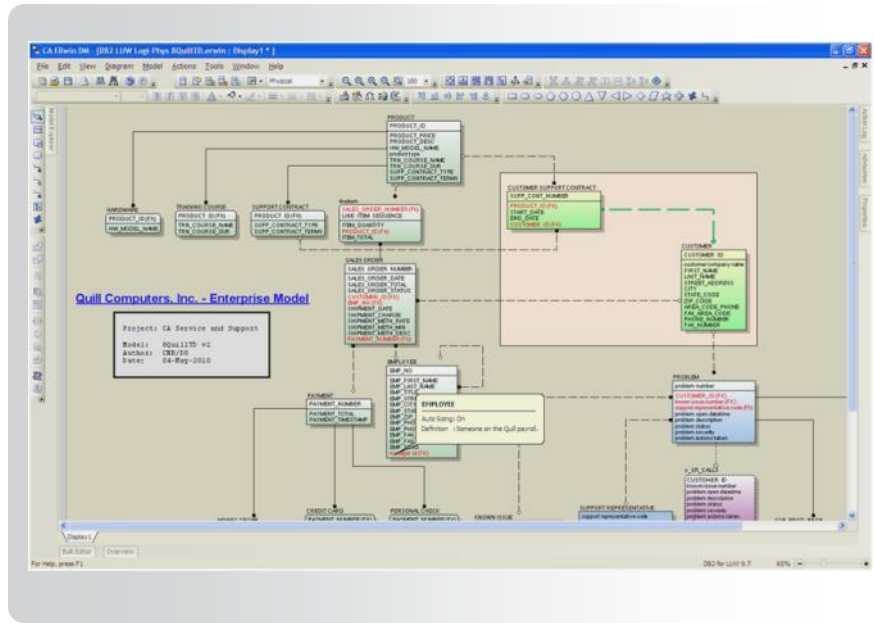
“BULK” EDITOR The new Bulk Editor provides cross-object, multi-instance metadata updates in a single, spreadsheet-style interface, allowing for bulk updates, exports to Excel, and metadata queries. Your volume updates have now become easier, with more flexible export and reporting options as well.

MAXIMIZED DRAWING PALETTE WITH ON-DEMAND UI The ability to invoke toolbars and editors on-demand saves valuable drawing space—giving you a full screen to work with for large volumes of information.

ONE-CLICK AUTO LAYOUT FOR MODEL DIAGRAMS The Auto Layout feature saves you from wasting valuable time redrawing models for readability — ERwin can do it automatically with a single click.

SPELL CHECKER Definitions and metadata are the crux of your data model—make sure they’re spelled right. Automated spell checking of textual metadata (e.g., definitions, comments, notes) has been added to facilitate the validation of user supplied text.

CA ERwin Data Modeler r8 allows you to visualize complex data structures in an intuitive, easy-to-use graphical interface.



DATABASE CURRENCY ERwin r8 provides enhanced “out of the box” database support (Forward Engineering, Reverse Engineering, and ALTER) for the relational features/functions found in IBM DB2 LUW and Z/OS, SQL Server 2008 and Teradata v13 – including support for all appropriate physical database properties.

SAP BUSINESS OBJECTS CRYSTAL REPORTS FOR ENTERPRISE-WIDE REPORTING Create reports directly from the ERwin interface for Impact Analysis, Where-Used Reporting, and Cross-Model Queries. Model Diagrams are integrated with text-based reports, including the “picture” of a model with the metadata.

Visualize the Power of Your Data

The ability to visualize complex data structures using a graphical data model is a powerful way to understand both business requirements and the database structures that support them. Organizations that employ data modeling benefit from higher return-on-investment (ROI), reduced risk due to fewer defects and improved resource consumption for their data-related projects. In addition, ERwin allows you to share your data modeling object metadata with other complimentary and competitive products used within your organization, increasing reuse and lowering the costs associated with maintaining your data assets. Our simple “point-and-click” graphical interface and robust feature list are the key ingredients that will help your organization consistently deliver high-quality databases, on-time and within budget.

The CA ERwin Advantage

CA ERwin® Data Modeler is an industry-leading data modeling tool that has been the trusted name in modeling for over 20 years. With enterprise-class functionality at an affordable price, CA ERwin allows you to reduce the time and cost spent managing your complex database environments. Powerful visualization features and the ability to personalize your environment to suit your individual needs, gives you ease of use combined with enterprise-class data management functionality so that you don’t have to choose flash over functionality.

Supported Platforms

CA ERwin DM SE runs in the following environments:

- Windows XP
- Windows 2003 and 2008 Server
- Windows Vista
- Windows 7

CA ERwin DM SE supports the following database environments:

- DB2, including DB2 for i5/OS (System i)
- IDS (Informix)
- MySQL
- ODBC
- Oracle
- Progress
- SQL Server
- Sybase
- Sybase IQ
- Teradata

Next Steps

To learn more – and for a free trial download – visit www.erwin.com.

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