

CA ERwin® Data Model Validator

CA ERWIN DATA MODEL VALIDATOR HELPS IMPROVE THE CONSISTENCY AND QUALITY OF DATA ACROSS THE ENTIRE ENTERPRISE INFORMATION ARCHITECTURE. ITS COMPREHENSIVE SET OF DIAGNOSTIC TOOLS VALIDATES THE STRUCTURAL INTEGRITY OF DATA MODELS AND EXISTING DATABASE SCHEMAS BY APPLYING RELATIONAL MODELING RULES. CA ERWIN DATA MODEL VALIDATOR PINPOINTS DESIGN DISCREPANCIES, RECOMMENDS PRECISE IMPROVEMENTS, AND AUTOMATICALLY GENERATES DATABASE SCRIPTS TO IMPLEMENT THE REVISIONS.

OVERVIEW

Organizations use vast amounts of data compiled from a wide range of sources. The structure of this data represents the cornerstone of an organization's information architecture and must be designed to conform to existing database design standards. Integrating, structuring, and validating this data from many diverse sources is a time-consuming and error-prone task. To ensure business continuity and to facilitate data integration, the heart of an organization's database – its schema – must be sound. Superior design is essential if we are to build high-performance business applications, high quality databases, and effective data warehouses.

PRODUCT INFO

CA ERwin Data Model Validator is used to analyze and validate database schemas. When used in conjunction with the data modeling capabilities of CA ERwin Data Modeler, organizations can visualize complex information assets, develop efficient database structures, establish enterprise-wide data standards and intelligently automate their schema design process. This powerful product combination provides numerous benefits, helping organizations to improve productivity and accuracy, enhance database design, maximize design efficiency and increase database performance.

BENEFITS

CA ERwin has the ability to deliver an integrated schema validation and data modeling solution for your organization. This comprehensive combination of products converts many days of manual work into a simple automated task. Your organization can rest assured, knowing that it is operating on an architecturally sound database foundation in support of business intelligence, data warehousing, master data management) and other key data integration initiatives.

Key Features

CA ERwin Data Model Validator addresses the critical consistency and integrity issues of a database throughout the many phases of an application's life cycle and improves the consistency and quality of information across the entire enterprise IT infrastructure. Its comprehensive set of diagnostics validate the structural integrity of relational database schemas by enforcing the rules of the relational model and ensuring the schema has consistency and integrity, and provide performance-related diagnostics. Database schemas are graphically depicted and documented in a user-friendly format.

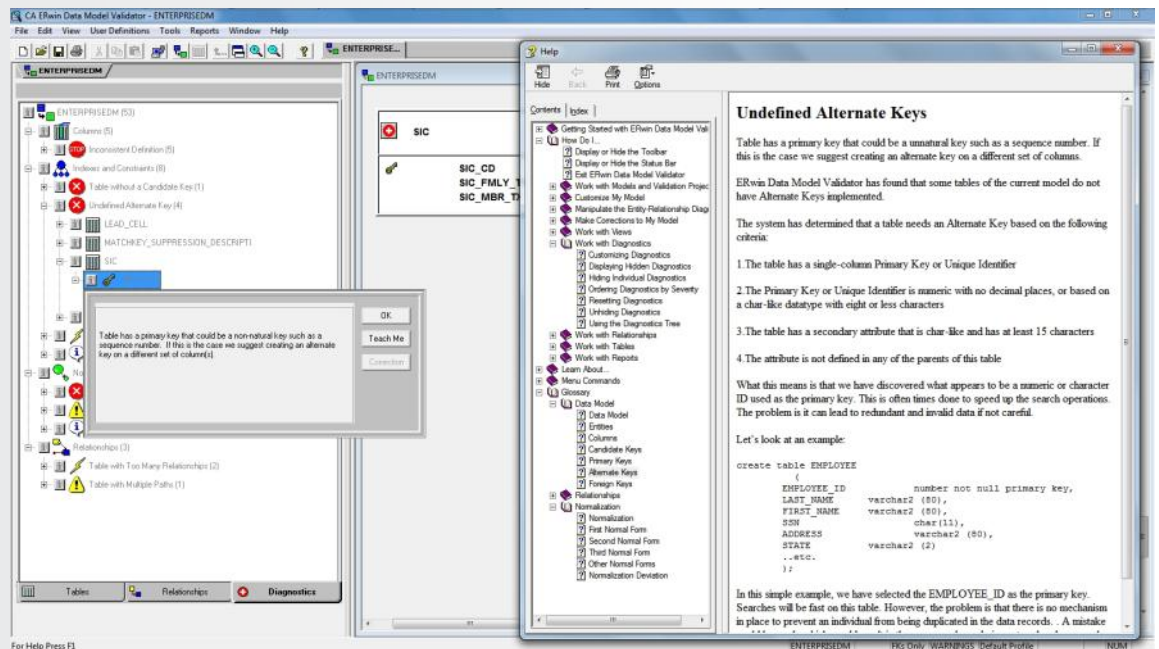
COMPREHENSIVE DIAGNOSTICS AND REPORTING CA ERwin Data Model Validator analyzes data structures, keys, indexes, columns and relationships for violations of relational database design rules. It generates graphic documentation of the entire database structure including column cross-reference and relationship listings. Comprehensive diagnostics can be customized to reflect to the requirements and priorities of your organization. Diagnostic results are conveniently ordered by category or severity level. Key diagnostic categories identified are: Missing Relationships, Disabled Triggers, Missing Indexes, Incorrectly Defined Relationships, and Inconsistent Datatype Definitions.

DESIGN DISCREPANCY ISOLATION CA ERwin Data Model Validator provides detailed diagnostic reports that help increase modeler and DBA productivity by accelerating the model and/or schema review process. Its innovative “Show Me” facility isolates specific design issues in complex schemas and eliminates the task of manually sifting through thousands of lines of schema code. A user-friendly display highlights the particular component of the database structure that requires modeler/DBA attention. You can also define and work with a subset of the model or schema.

“TEACH ME” FACILITY In addition to providing specific diagnostic messages and recommendations, CA ERwin Data Model Validator explains the theory behind the messages. This invaluable “Teach Me” facility reveals the impact of design choices or modifications in context of established and proven relational theory. By informing modelers of the impact their design decisions have on overall schema quality, CA ERwin Data Model Validator improves the skill level and quality of your database design teams.

DIRECT INTERFACE TO CA ERWIN DATA MODELER By directly reading native data model files, CA ERwin Data Model Validator can validate the integrity and quality of data models created by modelers as well as those reverse engineered from existing databases. This ensures problem detection early in the life cycle and facilitates the development of high quality, relationally sound models constructed at significantly lower cost to the organization.

CA ERwin Data Model Validator enables users to validate, correct and optimize complex data schemas in support of mission critical business applications.



Benefits

One of the primary contributors to high development costs and long development cycles are database schema errors that go undetected until late in the development process. Often, these errors are only found and subsequently resolved when application code is tested. Finding errors this late is a major issue in that it leads to expensive rework of database structures and application code. By automating the task of schema validation, development teams can identify schema design errors early (before application code is written) and avoid the costs associated with large-scale rewrites. This helps ensure that applications will be delivered on-time and within budget.

Industry experts agree that a flawed schema can also contribute to poor application performance and poor data quality. Using CA ERwin Data Model Validator to ensure database design quality, your applications will deliver higher performance and more consistent results leading to better quality information. This will reduce the cost of business intelligence and ensure that critical business decisions are based on a reliable data foundation.

The CA ERwin Advantage

CA ERwin Data Model Validator is part of a focused, best of breed database design and modeling solution. This approach of providing the right tools for the right job with seamless integration results in added value experienced by our users who will benefit from our simplified modular approach while leveraging the value of an enterprise-focused toolset.

Supported Platforms

CA ERwin Data Model Validator is a Windows-based application that supports the following database platforms:

- Oracle
- DB2 for z/OS
- DB2 LUW
- SQL Server
- Sybase

Next Steps

To learn more – and for a free trial download – visit www.erwin.com. For a local reseller near you, visit www.erwin.com/resellers

For more information, visit erwin.com

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