

CA ERwin® Model Manager

CA ERWIN® MODEL MANAGER (CA ERWIN MM) IS A SCALABLE, MULTI-USER MODELING ENVIRONMENT THAT FACILITATES EFFECTIVE MODELER COLLABORATION. SERVING AS THE INTEGRATION HUB FOR TWO AWARD-WINNING MODELING TOOLS, CA ERWIN® DATA MODELER AND CA ERWIN® PROCESS MODELER, CA ERWIN MM FOSTERS TEAM WORK IN A MANAGED MODELING ENVIRONMENT TO BRING ABOUT HIGHER LEVELS OF CONSISTENCY, QUALITY AND PRODUCTIVITY.

Overview

Managing data and business process models in a collaborative multi-user environment is a non-trivial challenge and if not managed properly can result in significant risk and overhead to the organization. This makes effective management of the analysis and design artifacts of the data life cycle an important and critical success factor for IT providers as well as a common point for failure.

Benefits

Effectively coordinating analysis and design initiatives using CA ERwin MM will deliver multiple benefits to an IT organization and the business it supports. Streamlined and optimized delivery processes translate into cost savings, increased quality, improved efficiency and accountability with the net result being increased customer overall satisfaction.

CA Advantage

CA ERwin MM offers a robust collaborative model management facility that scales to support small project teams as well as enterprise class modeling initiatives. Realizing these advantages, integration into an organization's technical infrastructure and ongoing administration requires just a minimum amount of overhead and resources. Modelers immediately benefit from gains in standardization, ease of model metadata reuse and productivity associated with enterprise level collaboration while at the same time experiencing minimal impact on their modeling autonomy.

CA ERwin Model Manager Facilitates Managed Design Team Collaboration and Control

Scaling Database Design for Maximum Efficiency and Time to Market

Sharing and managing data and business process models in a collaborative multi-user environment can present significant risk and overhead. Effective management of the analysis and design facets of the data life cycle is a critical success factor for IT providers as well as a common point for failure. Enabling collaboration across your organization's modeling efforts in a well managed manner can open the door to enhanced productivity while at the same time facilitating compliance and accountability in a complex IT infrastructure.

Manual coordination and sharing of models and model objects can be challenging at best and extremely dangerous if not managed properly — regardless of organization size. As models evolve to the enterprise level, the need for multiple team members to simultaneously update the same model increases and as teams grow in size and become decentralized, the overhead required for coordination can escalate beyond reasonable manual control. Repeatable modeling success — higher quality and efficiency — depends on the ability to automate the process, share work products, actively promote standards and maintain an effective audit trail. Accordingly, solutions and toolsets that support these activities must be seamlessly scalable, while at the same time provide benefits to individual modelers, workgroup leaders and their managers.

Increasing Modeler Productivity through Managed Collaboration

Effectively coordinating analysis and design initiatives can deliver multiple benefits to an IT organization and the business it supports. Streamlined and optimized delivery processes translate into cost savings, increased quality, improved efficiency and accountability with the net result being increased customer satisfaction.

CA ERwin MM is a multi-user modeling environment that makes coordinated, large-scale modeling possible. This solution is finely tuned to the intricate structure of models and is specifically designed to address the complexities associated with effectively sharing resources. It delivers these benefits through unique features such as version control, access control, managed collaboration and enhanced analysis capabilities. The by-product of this secure and managed environment is an automated audit capability to ease the added burden of compliance and regulation. CA ERwin MM integrates easily into the user's existing database environment by hosting on the user's choice of Oracle, Microsoft SQL Server or Sybase ASE.

Key Capabilities

MODELER COLLABORATION SERVICES Modelers often collaborate on multiple projects at the same time. The impact of change in a multi-user environment must be managed through parallel iterations within overlapping periods of time. Collaboration with team members must have little or no impact on stand-alone modeler capabilities and efficiencies. However, the efficiencies of collaboration must not negatively impact the quality or integrity of the work produced.

- **Concurrent Model Access With Optional Model Locking** CA ERwin MM makes it possible for multiple users to work on a given model concurrently over periods of time while managing the integration and integrity of the combined results of these parallel modeling efforts on-demand.
- **Multi-user Collision Resolution Capabilities** Conflicting model changes are automatically identified and properly managed to help ensure the ongoing integrity of the model. CA ERwin MM users are alerted to the existence and nature of conflicting modeling efforts, and guided through the reconciliation of these conflicts in order to maximize productivity and help ensure model integrity.
- **Independent Model Merge** CA ERwin MM facilitates the automatic merge of separate and distinct models for collaboration purposes. The Merge Manager uses the familiar Complete Compare dialog found in CA ERwin® Data Modeler to specify model objects to be included in merged models.

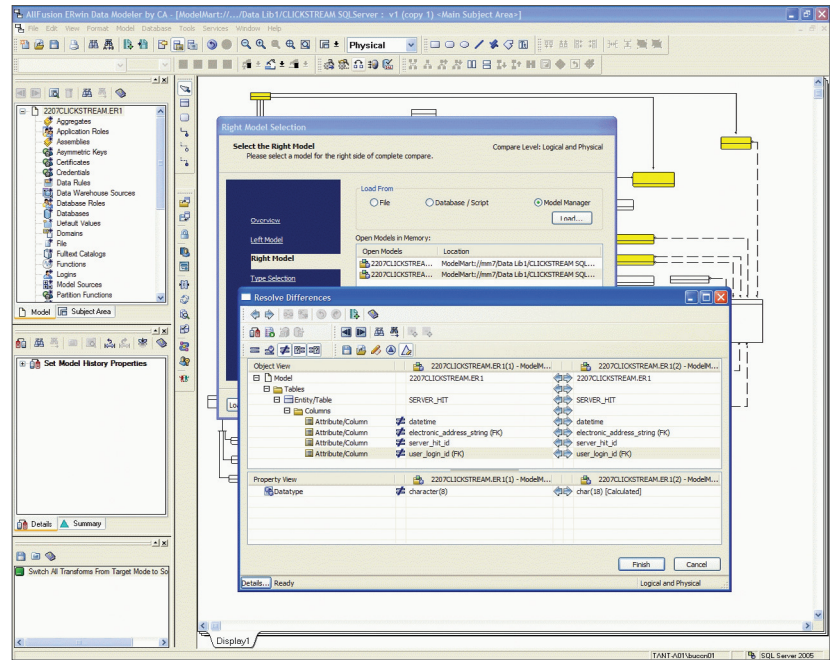
MODEL CHANGE MANAGEMENT Controlling and tracking changes in a data or process model is critical to the integrity of the model and to the organization over time. The ease with which users can identify and deal with changes resulting from past modeling sessions is crucial in maintaining business alignment, high standards of quality and painless compliance with audit and other regulatory requirements.

- **Model Change Impact Analysis** CA ERwin MM leverages patented Generalized Data Modeling GDM and “Complete Compare” technologies of CA ERwin DM to provide a change summary showing the impact of your changes and the history of the affected model objects, allowing you to select which changes to apply to the model repository (see Figure A).
- **Version Management** CA ERwin MM lets modelers store, access and analyze the history of a model and the changes made to it. You can lock down versions, run difference reports between versions and seamlessly roll back models to previous states as required (see Figure B).
- **Undo/Redo Capability Over the Life Span of a Model** CA ERwin MM change and version management capabilities include the capability to ‘Undo’ changes in an individual session and throughout the history of the model.

FIGURE A

Impact analysis via CA ERwin Data Modeler's new Complete Compare facility allows modelers to review, accept and/or undo changes prior to committing them to the modeling repository.

COMPLETE COMPARE TECHNOLOGY



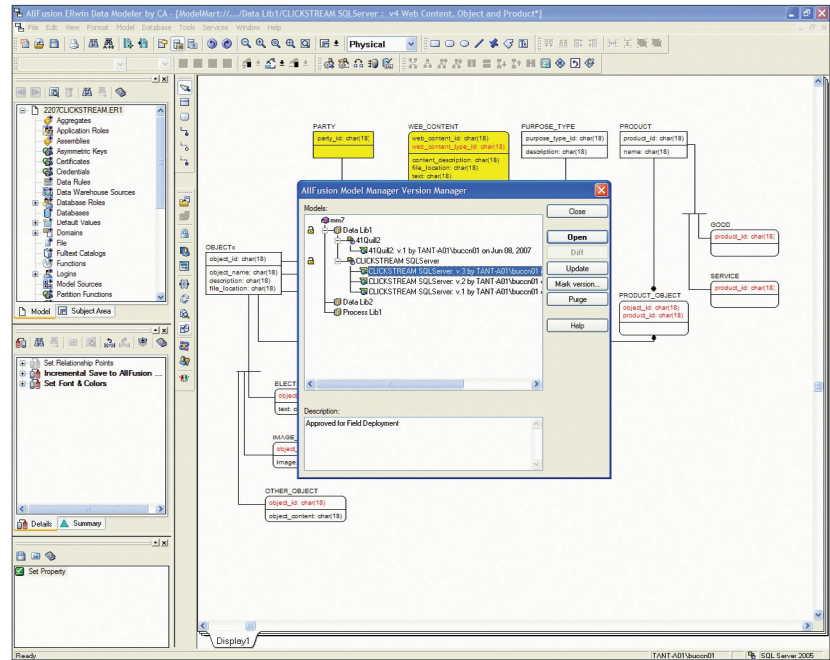
MODEL AND REPOSITORY ADMINISTRATION Simple and secure administration can make or break a model management strategy. Minimizing administration overhead drives increased productivity and lower TCO while secure access control is critical to the reliability of your models and their associated history. CA ERwin MM allows you to administer the model repository (mart) from within the CA ERwin Model Manager application. Administration is enabled through the standard modeling user interface based on the access profile assigned to the user. Mart administration can be centralized or distributed based on the size, dynamics and requirements of the group using these services.

- **Flexible Repository Access Control** CA ERwin MM leverages the user's choice of system or database management system (DBMS) authentication to provide the administrator with simple but powerful access management capabilities. Profile-based administration controls user access to models and model objects at multiple levels of granularity (see Figure B).
- **Library Management** CA ERwin MM facilitates the partitioning of the model mart into libraries, allowing users to group and organize their models for managed access to their contents. Typically, marts are partitioned into libraries to isolate projects, their life cycle status or the work of organizational units. To protect project integrity, users usually implement libraries that isolate implementation differences, such as those among development, testing and production environments.
- **Sub-modeling Support** Sub-modeling provides a more focused view for individual modelers, and can help reduce the system resources needed to upload and download during model check-in and check-out. CA ERwin MM allows users to logically partition CA ERwin Data Modeler models into subject areas and manage access to the models through these partitions. Modelers can check out individual subject areas or sub-models, and access profiles can be applied at the subject area level.

FIGURE B

CA ERwin Model Manager provides the capability to manage multiple versions of your models via the “Version Manager”.

VERSION MANAGEMENT



Supported Environments

- Database Servers:
 - Microsoft SQL Server
 - Oracle
 - Sybase ASE
- Modeling Clients:
 - Windows 2000
 - Windows XP
 - Windows 2003 Server
 - Windows Millennium Edition

Unify Your Modeling Efforts for Greater Consistency, Increased Productivity and Higher Quality Designs

Understanding your business at varying levels of abstraction is the first step towards optimizing your business processes and properly aligning your IT services to support them. CA ERwin PM provides a single vehicle to document, re-design, and communicate your business processes as the foundation of the effective application of IT services in support of your business. Organizations that leverage CA ERwin Process Modeler benefit from higher productivity, lower resources requirements and faster time to market when delivering the infrastructure required to support critical path business initiatives.

FEATURE	DESCRIPTION	BENEFIT
Model Change Impact Analysis	CA ERwin MM leverages the patented Generalized Data Modeling (GDM) and “Complete Compare” technologies in CA ERwin DM to provide a change summary showing the impact of your changes and the history of the affected model objects, allowing you to select which changes to apply to the model repository.	Allows modelers to understand the impact of their changes and identify potential conflicts prior to committing them to the modeling repository.
Version Management	CA ERwin MM lets modelers store, access and analyze the history of a model and the changes made to it. You can lock down versions, run difference reports between versions and seamlessly roll back models to previous states as required.	Organizations can easily track, manage and communicate the impact of change to their models across the enterprise.
Undo/Redo Capability Over the Life Span of a Model	CA ERwin MM change and version management capabilities include the capability to Undo changes in an individual session and throughout the history of the model.	Allows easy and consistent rollback of changes when required.
Flexible Repository Access Control	CA ERwin MM leverages the user’s choice of system or database management system (DBMS) authentication to provide the administrator with simple but powerful access management capabilities. Profile-based administration controls user access to models and model objects at multiple levels of granularity.	Allows organizations to choose how to administer access control to their repository.
Library Management	CA ERwin MM facilitates the partitioning of the modeling repository into libraries, allowing users to group and organize their models for managed access to their contents.	Allow users to manage models and easily find modeling artifacts for re-use.
Sub-modeling Support	CA ERwin MM allows users to logically partition CA ERwin DM into subject areas and manage access to the models through these partitions. Modelers can check out individual subject areas or sub-models, and access profiles can be applied at the subject area level.	Sub-modeling provides a more focused view for individual modelers and can help reduce the system resources needed to upload and download during model check-in and check-out.

CA Advantage

CA ERwin Model Manager is part of a focused, best of breed modeling and database design solution. This approach of providing the right tools for the right job and seamlessly integrating them for exponential value allows users to benefit from a simplified modular approach while leveraging the value of an enterprise focused toolset. CA ERwin Model Manager understands CA ERwin data and process models at an intricate level providing superior management and collaborative capabilities well beyond that of a generic “source” control tool.

The Enterprise IT Management Vision (EITM)

As a key component in the CA Database Management (CA DBM) solution, CA ERwin Model Manager is also an integral part of the CA EITM vision to unify and simplify enterprise IT management. To maximize the performance, reliability and efficiency of your overall IT environment means tightly integrating the control and management of additional functions, including operations, storage, security, life cycle and services management. CA's comprehensive portfolio of modular IT management solutions helps the enterprise unify, simplify and secure IT to better manage risk, costs and service — helping ensure that IT meets the business needs of the enterprise.

Next Steps

For more information, visit ca.com/modeling or 1-800-78-ERwin.

To learn more, and see how CA software solutions enable organizations to unify and simplify IT management for better business results, visit ca.com/customers.