

CA ERwin® Process Modeler

CA ERWIN® PROCESS MODELER IS A POWERFUL MODELING TOOL THAT HELPS YOU VISUALIZE, ANALYZE AND IMPROVE COMPLEX BUSINESS PROCESSES, SO YOU CAN INCREASE YOUR UNDERSTANDING OF THE ENTERPRISE AND CREATE COMPETITIVE ADVANTAGE.

Overview

For organizations of all sizes, improper business alignment is a major factor in both the failure of many IT projects and the increased cost of managing IT. Meanwhile, an increasingly competitive marketplace, combined with the emergence and rapid evolution of new business models and regulatory requirements, has increased the pressure on companies to achieve even greater IT productivity while reducing costs and improving quality and customer service levels.

Benefits

Business process modeling helps you understand your operations from multiple viewpoints and provides data that can be leveraged by executives, operational personnel and IT staff alike. Armed with the information contained in these models, you can make better decisions about how to best optimize core business processes — and better understand and manage the relationships between business processes and IT.

The CA Advantage

CA ERwin Process Modeler supports process, dataflow and workflow modeling in one tool, helping you identify gaps, disconnects and points of conflict, so you can achieve consensus and improve processes. The solution also provides a mechanism for capturing key business processes while increasing collaboration, helping to enhance productivity and quality and guide application development — especially as it relates to data-intensive initiatives.

Business Process Optimization and Effective IT Alignment

As the business environment becomes more and more competitive, the emergence and rapid evolution of new models and regulatory requirements has put organizations under mounting pressure to achieve greater productivity and reduce costs — without compromising quality or customer service levels. Yet, improper business alignment continues to be a major factor in the failure of many IT projects.

With a constant need to improve existing processes, automate time-consuming manual activities and ensure compliance across the enterprise, companies are constantly searching for new ways to do business while simultaneously managing increases in operational complexity and challenging organizational changes.

Visualizing and Communicating the Essence of Your Business

Before you can effectively optimize or automate your processes, you must first understand the existing state of your business, which can be a complex and rigorous task. As processes are discovered, this new information must be clearly defined and effectively communicated before optimization can occur. At this point, creating a detailed blueprint of your operational processes and requirements from multiple viewpoints can help you efficiently target, execute and communicate the changes necessary to positively impact the business.

Business process modeling can also help your analysts collect, organize and examine information about your operations, in addition to disseminating it to executives, operational personnel and IT staff. Armed with this information, you can make informed decisions about how to perfect business processes, and your IT staff can design appropriate, business-aligned solutions.

Key Capabilities of CA ERwin Process Modeler

CA ERwin Process Modeler supports process, dataflow and workflow modeling in a single tool to serve the needs of both business and technology analysts. It reuses key modeling information across these perspectives to identify gaps, synergies and points of conflict, ultimately assisting in creating consensus. The solution also fosters collaboration, improves productivity and quality and guides the application development process via functionality, such as:

- Multi-notational support
- Robust analytics and integrations
- Customizable modeling interface and extensions
- A collaborative modeling environment
- A focused tool for business analysts
- Support for multiple operating environments

MULTI-NOTATIONAL SUPPORT

With numerous modeling techniques and support for various notations, CA ERwin Process Modeler provides the necessary viewpoints and detail for proper analysis and design in a complex environment. Additional functionality includes:

SUPPORT FOR DIVERSE MODELING TECHNIQUES Provides integrated reuse and coordination for business process (IDEF0), workflow (IDEF3) and data flow diagram (DFD) modeling techniques.

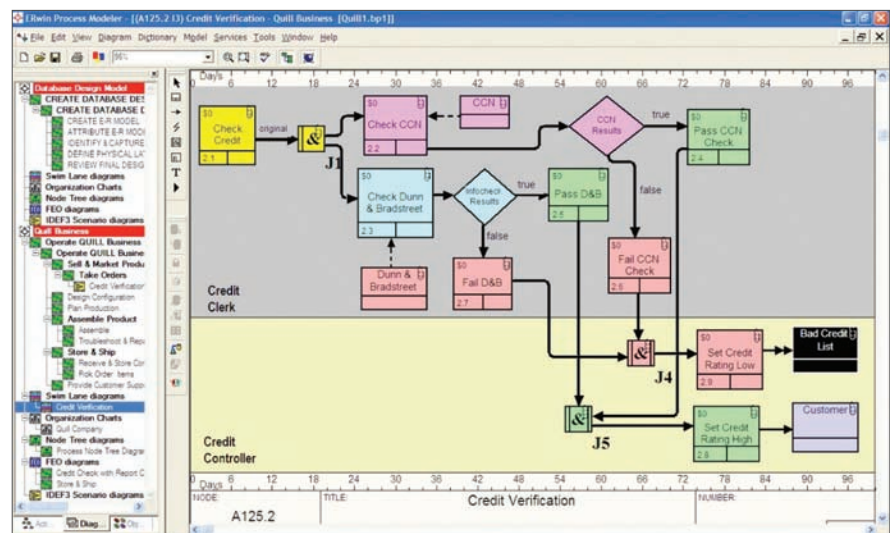
SWIM LANE DIAGRAMS Include an efficient mechanism for visualizing and optimizing complex processes, organizing processes across functional boundaries and enabling you to simultaneously view processes, roles and responsibilities (see Figure A).

ORGANIZATIONAL CHARTS Simplify how business processes are defined and implemented and support the explicit definition of roles, which classify and categorize tasks or jobs within a business process.

FIGURE A

Users can simultaneously view processes, roles and responsibilities when using CA ERwin Process Modeler's swim lane diagrams.

SWIM LANE DIAGRAM



ROBUST ANALYTICS AND INTEGRATIONS

CA ERwin Process Modeler increases the depth and breadth of the data available for analysis and design processes — and extends the value of the resulting model. The solution's many analytics and integrations include:

COST AND PERFORMANCE METRIC ANALYSIS Supports activity-based costing (ABC) and is optimized for process analysis. Comprehensive reporting and a bidirectional interface with dedicated ABC tools make it easier for companies to implement an activity-based management strategy.

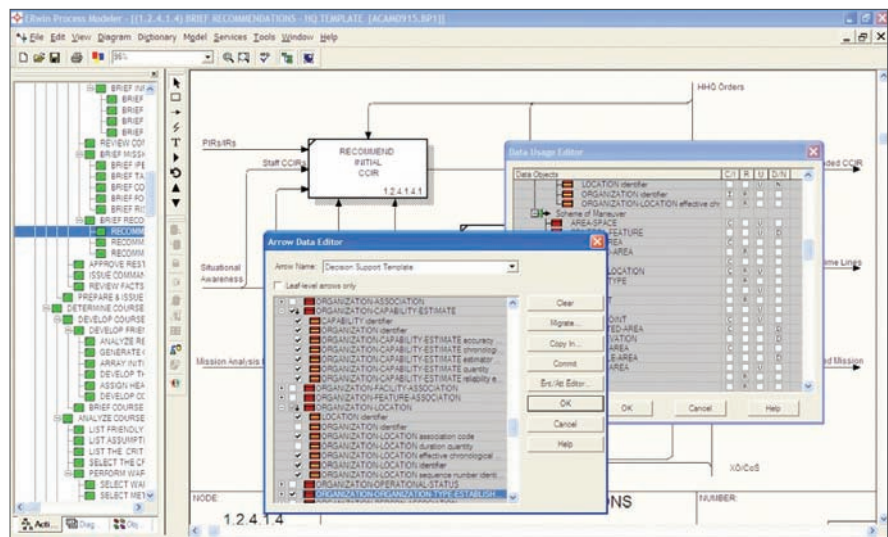
A SIMULATION INTERFACE Allows you to dynamically explore the effect of change by testing different scenarios before implementation to ensure an optimal solution. You can also export your CA ERwin Process Modeler workflow models to Arena, a robust simulation environment, for real-time analysis.

PROCESS/DATA INTEGRATION WITH CA ERWIN DATA MODELER That helps to solve enterprise architecture analysis problems. The built-in data usage functions and metadata support in CA ERwin Process Modeler provide detailed, “where used” mapping of data to process (see Figure B).

FIGURE B

CA ERwin Process Modeler provides a detailed mapping of data to process, which facilitates the development and maintenance of an enterprise-wide information architecture.

MAPPING OF DATA TO PROCESS



CUSTOMIZABLE MODELING INTERFACE AND EXTENSIONS

In order to best reflect your business requirements, CA ERwin Process Modeler enables you to specify tool behavior, model object depictions and metadata extensions with functionality that include:

A CUSTOMIZABLE USER INTERFACE Offers dockable toolbars, a multi-view model explorer and the capability to define the tool’s behavior at a very detailed level and provides a highly productive workspace.

CUSTOMIZABLE DIAGRAM OBJECTS/DISPLAYS Enable you to customize CA ERwin Process Modeler by assigning your choice of shapes or graphics to the model objects in a diagram, as well as specify the granularity of the information displayed.

FLEXIBLE, USER-DEFINED PROPERTIES Allow you to capture, document and manage any information relevant to your business. This information is immediately available from the CA ERwin Process Modeler Report Writer and can be exported to such programs as Microsoft Word and Microsoft Excel.

A COLLABORATIVE MODELING ENVIRONMENT

CA ERwin Process Modeler enables seamless sharing of modeling artifacts and effective management of the modeling process, which are key factors in the success and productivity of any modeling team. Specific features include:

SPLIT/MERGE CAPABILITIES That allow you to split complex process models into more manageable work packages, and then merge models back into a coherent model to achieve design consensus. This empowers team members to work in parallel, shortening the analysis and design cycles of a project.

INTEGRATION WITH CA ERWIN MODEL MANAGER That provides centralized model storage, access control, version management and reporting services for both CA ERwin Process Modeler and CA ERwin Data Modeler.

A FOCUSED TOOL FOR BUSINESS ANALYSTS

Providing an extensive set of capabilities designed to facilitate and enhance the productivity of business modelers, CA ERwin Process Modeler is a single solution your analysts can leverage to optimize and streamline business processes via such functionality as:

DESIGN PROCESS AUTOMATION That simplifies the many tasks usually associated with building process models by providing the semantic rigor needed to ensure correct and consistent results (Object highlighting guides you as you build the model, eliminating many common mistakes).

A CUSTOMIZABLE SPREADSHEET INTERFACE That includes a dictionary framework that makes entering and managing model information quick and painless (The easy-to-use interface also provides a mechanism for populating models with existing business-process information).

SIMPLIFIED REPORTING VIA A REPORT TEMPLATE BUILDER That helps you create comprehensive reports and websites. A reporting engine common to both CA ERwin Process Modeler and CA ERwin Data Modeler, the Report Template Builder enables you to define templates that can then be applied to any of the models — a “define once, reuse everywhere” approach you can utilize to promote reporting standards.

SUPPORT FOR MULTIPLE OPERATING ENVIRONMENTS

CA ERwin Process Modeler provides the compatibility and flexibility necessary to help you leverage your unique IT components to better align business process with IT. Supported environments include:

- Microsoft Windows XP
- Microsoft Windows 2003 Server
- Microsoft Windows Vista

Document, Design and Optimize Your Business Processes

Understanding your business at varying levels of abstraction is the first step toward optimizing your business processes and properly aligning your IT services to support them. CA ERwin Process Modeler is a single vehicle for documenting, redesigning and communicating your business processes and offers a foundation for effectively leveraging IT services in support of your goals, so you can:

- Gain visibility into how data is used by specific business processes
- Align application development with strategic initiatives
- Streamline process management and increase productivity

This helps you increase efficiency, reduce resource requirements and speed time-to-market while also delivering the infrastructure required to support critical-path business initiatives.

FIGURE C

CA ERwin Process Modeler includes functionality that helps you understand – and improve – all aspects of your business process.

FEATURES AND BENEFITS OF CA ERWIN PROCESS MODELER

FEATURES	CAPABILITIES	BENEFITS
<ul style="list-style-type: none"> • Support for diverse modeling techniques 	<ul style="list-style-type: none"> • Provides integrated reuse and coordination for business process, workflow and data flow modeling techniques 	<ul style="list-style-type: none"> • Enables business process visualization from multiple viewpoints within a single model
<ul style="list-style-type: none"> • Swim Lane diagrams 	<ul style="list-style-type: none"> • Provide an efficient mechanism for visualizing, optimizing and organizing complex processes across functional boundaries 	<ul style="list-style-type: none"> • Identify potential bottlenecks and ensure cross-organizational synergies
<ul style="list-style-type: none"> • Organizational charts 	<ul style="list-style-type: none"> • Support the explicit definition of roles, which classify and categorize tasks or jobs within a business process 	<ul style="list-style-type: none"> • Provide the ability to relate processes and flows to organizational structures encapsulated in a single model
<ul style="list-style-type: none"> • Customizable user interface 	<ul style="list-style-type: none"> • Includes dockable toolbars, a multi-view model explorer and the capability to define the tool's behavior at a very detailed level 	<ul style="list-style-type: none"> • Simplifies modeling tasks and provides modelers with the ability to configure the tool to optimize performance
<ul style="list-style-type: none"> • Customizable diagram objects/displays 	<ul style="list-style-type: none"> • Enable you to assign shapes or graphics to the model objects in a diagram and specify the granularity of displayed information 	<ul style="list-style-type: none"> • Allow organizational standards and preferences to be easily incorporated for enhanced communications
<ul style="list-style-type: none"> • User-defined properties 	<ul style="list-style-type: none"> • Customize, capture and extend business-critical information, which becomes immediately available to the CA ERwin Process Modeler Report Writer and such programs as Microsoft Word and Microsoft Excel 	<ul style="list-style-type: none"> • Enable the creation of standards for capturing process information that can be easily defined and shared across the enterprise

The CA Advantage

CA ERwin Process Modeler is part of a focused, best-of-breed modeling and database design solution. This complementary family of products allows CA to provide the right tools for the right job and seamlessly integrate them for exponential value. Users benefit from a simplified modular approach while still capturing the value of an enterprise-focused toolset.

The Enterprise IT Management Vision (EITM)

CA ERwin Process Modeler, a key component in the CA ERwin Modeling family of solutions, is also an integral part of CA's Enterprise IT Management (EITM) vision to unify and simplify overall IT management. And with a comprehensive portfolio of modular IT management offerings, CA empowers you to better manage risk, costs and service — helping ensure that IT meets the business needs of your enterprise.

Gaining mastery over business-critical information is an essential first step in any enterprise-wide IT management initiative. And when integrated as an element of CA's EITM vision, CA ERwin Process Modeler can help you maximize the performance, reliability and efficiency of your overall IT environment. The solution helps you understand your business from a variety of viewpoints, so you can ultimately extend the overarching CA EITM philosophy to operations, storage, security, lifecycle and services management — and unify, simplify and secure IT.

Next Steps

CA ERwin Process Modeler is a proven, flexible solution that helps you understand — *and improve* — all aspects of your business process so you can grow and improve your enterprise in today's extremely competitive market. See how it can enable your organization to optimize core processes and create a more fruitful relationship between your business and IT. For more information, contact your local CA reseller or go to ca.com/contact/rmdm.

To learn more, and see how CA ERwin Process Modeler can help you simplify business processes for improved alignment with IT, visit ca.com/modeling.

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