CA ERWIN® PROCESS MODELER (CA ERWIN PM) IS A POWERFUL ANALYTICAL MODELING TOOL THAT CAN HELP YOU VISUALIZE, ANALYZE AND IMPROVE COMPLEX BUSINESS PROCESSES. DEVELOPING A PROCESS MODEL REQUIRES YOU TO CLEARLY DOCUMENT IMPORTANT ASPECTS OF ALL YOUR BUSINESS PROCESS SUCH AS: WHICH ACTIVITIES ARE NEEDED, HOW THEY ARE PERFORMED AND CONTROLLED, WHAT RESOURCES AND INFORMATION ARE NEEDED TO PERFORM THEM, AND WHAT OUTCOMES OR OUTPUTS ARE PRODUCED. THE NET RESULT IS A FRAMEWORK FOR BETTER UNDERSTANDING OF THE ENTERPRISE — WHAT IT DOES AND THE PROCESSES AND DATA NECESSARY TO BEST SUPPORT IT IN TODAY’S EXTREMELY COMPETITIVE MARKET ENVIRONMENT.

Overview

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

Benefits

Business process modeling assist businesses to efficiently collect, organize and analyze information about an organization’s operations from multiple viewpoints. This information is then provided to and validated by the organization’s executives, operational personnel and IT staff. Armed with the information contained in these models, informed decisions can be made about how to best optimize and support the organization via IT.

CA Advantage

CA ERwin PM supports process, data flow and work flow modeling in one tool to serve the needs of both business and technology users. It reuses key modeling information across these three perspectives to identify points of conflict, gaps and disconnects which ultimately allows teams to achieve consensus and improve corporate processes. CA ERwin PM provides a mechanism for capturing key enterprise business knowledge while increasing collaboration, improving productivity and quality, and guiding the application development process.
CA ERwin Process Modeler Facilitates Business Process Optimization and Effective IT Alignment.

Understanding Your Business for Proper IT Alignment
Improper business alignment is a major factor in the failure of many IT projects and the increased cost of managing IT in organizations of all sizes. An increasingly competitive business environment, combined with the emergence and rapid evolution of new business models and regulatory requirements, has put organizations under mounting pressure to achieve greater productivity and reduce costs while maintaining or increasing quality and customer service levels. Companies must find new ways of doing business while managing increases in operational complexity and challenging organizational changes. There is a constant need to improve existing processes, automate time-consuming manual activities and help ensure compliance throughout the activities of the business.

Before an organization can effectively optimize or automate its processes, the existing state of the business must first be understood. This is a complex and rigorous task. As processes are “discovered” and before they can be optimized, the crucial and difficult job of clearly defining and effectively communicating this new information poses the next hurdle. Most organizations understand that creating a detailed blueprint of their business processes and requirements from multiple viewpoints assists them to efficiently target, execute and communicate the changes necessary to positively impact the business.

Visualizing and Communicating the Essence of Your Business
Business process modeling can help business analysts collect, organize and analyze information about an organization’s operations from multiple viewpoints, and will facilitate dissemination of this information to executives, operational personnel and IT staff. Armed with this information, executives can make informed decisions about how to best optimize the business processes and IT staff can design appropriate business aligned solutions.

CA ERwin Process Modeler supports process, data flow and work flow modeling in one tool to serve the needs of both business and technology analysts. It reuses key modeling information across these three perspectives to identify points of conflict, gaps, synergies and disconnects, and ultimately assists in achieving consensus. CA ERwin PM provides a mechanism for capturing key enterprise business knowledge while increasing collaboration, improving productivity and quality, and guiding the application development process.

Key Capabilities
MULTI-NOTATIONAL SUPPORT Multiple modeling techniques and support for various notations provide all the necessary viewpoints and detail for proper analysis and design in a complex environment.

- Support for Diverse Modeling Techniques CA ERwin PM provides integrated reuse and coordination for business process (IDEF0), work flow (IDEF3) and data flow (DFD) modeling techniques.
• **Swim Lane Diagrams** Swim lane diagrams provide an efficient mechanism for visualizing and optimizing complex processes. These diagrams organize processes across functional boundaries, enabling you to simultaneously view processes, roles and responsibilities (see Figure A).

• **Organizational Charts** Organizational structures affect how business processes are defined and implemented. CA ERwin PM supports the explicit definition of roles, which define and categorize tasks or jobs within a business process.

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**FIGURE A**
Simultaneously view processes, roles and responsibilities when using CA ERwin Process Modeler’s Swim Lane diagrams.

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**SWIM LANE DIAGRAM**

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**ROBUST ANALYTICS AND UNIQUE INTEGRATIONS** CA ERwin PM includes features that increase the depth and breadth of the data available for the analysis and design processes, and extends the value of the resulting model.

• **Cost and Performance Metric Analysis** CA ERwin PM fully 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.

• **Simulation Interface** Simulation allows you to explore the effect of change dynamically. Different scenarios can be tested before implementation, helping to ensure an optimal solution. You can export your CA ERwin PM workflow models to a robust simulation environment, Arena, for real-time analysis.
• **Process/Data Integration**  Integrating CA ERwin PM and CA ERwin® Data Modeler (CA ERwin DM) solves enterprise architecture analysis problems. The built-in data usage functions and metadata support in CA ERwin PM 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.

**CUSTOMIZABLE MODELING INTERFACE AND EXTENSIONS**  CA ERwin PM allows you to specify tool behavior, model object depictions and metadata extensions to best reflect your business requirements.

• **Customizable User Interface**  Dock-able toolbars, a multi-view Model Explorer and the capability to define the tool’s behavior at a very detailed level provide a highly productive workspace.

• **Customizable Diagram Objects/Displays**  You can customize CA ERwin PM to assign your choice of shapes or graphics to the model objects in a diagram, as well as specify the granularity of the information displayed.

• **User-Defined Properties**  CA ERwin PM is highly flexible. It allows you to capture, document and manage any information relevant to your business. This information is immediately available from the CA ERwin PM report writer and can be exported to other programs, such as Microsoft Word and Microsoft Excel.
A Collaborative Modeling Environment  Modeling is very often a team endeavor. Being able to seamlessly share modeling artifacts and effectively manage the modeling process are key factors in the success and productivity of any modeling team.

- **Split/Merge Capabilities**  CA ERwin PM lets you split complex process models into more manageable work packages, and then merge split models back into a coherent model and achieve design consensus. This allows team members to work in parallel, shortening the analysis and design cycles of a project.

- **CA ERwin® Model Manager Integration**  CA ERwin Model Manager (CA ERwin MM) is a multi-user model repository that provides centralized model storage, access control, version management and reporting services for CA ERwin PM as well as CA ERwin DM.

A Focused Tool for Business Analysts  CA ERwin PM provides a complete set of capabilities in one tool designed to facilitate and enhance the productivity of business modelers.

- **Design Process Automation**  CA ERwin PM automates many tasks usually associated with building process models, providing the semantic rigor needed to ensure correct and consistent results. Object highlighting guides you as you build the model, eliminating many common mistakes.

- **Customizable Spreadsheet Interface**  The dictionary framework 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**  The Report Template Builder is a reporting engine common to CA ERwin Process Modeler and CA ERwin Data Modeler that creates comprehensive reports and websites. You can define report templates that can then be applied to any of the models. This “define once, reuse-everywhere” approach lets you promote reporting standards.

What’s New in r7.2

Enhanced Usability  Capturing, depicting and analyzing an organization’s business processes can be a lengthy and time consuming process. Organizations often take an iterative approach, building the detail of a process model over time as specific problems or requirements dictate. Assisting the user to effectively and incrementally build robust process models is critical in promoting efficiency, reducing time to market and lowering the overall cost of this discipline within the enterprise. CA ERwin PM r7.2 introduces numerous usability enhancements to assist modelers increase efficiency in their day to day tasks.

- **Reusable Model Templates**  A longtime favorite feature of CA ERwin Data Modeler, reusable model templates are now available within CA ERwin Process Modeler. This feature allows you to capture process standards, common modeling objects and other predefined business related information in order to accelerate your process definition and to minimize the time to value ratio of your modeling efforts.

- **Enhanced IDEF3 Support for Relationships**  Bi-directional arrows have been added as a relationship option when using IDEF3 for a more complete and robust capability when documenting and/or designing critical workflows across your organization.

- **New PDF Reporting Indexing**  Full indexing is now available on the PDF report format available through the Report Template Builder (RTB) providing improved ease of navigation for the consumers of your model reports and publications.
**Supported Environments**

- Windows 2000
- Windows XP
- Windows 2003 Server

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**Simplify the Documentation, Design and Optimization of Your Business to Enable Proper IT Alignment**

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.

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