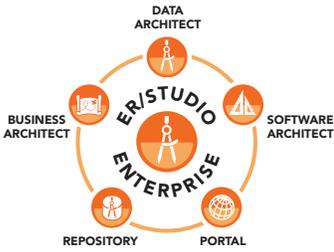


ER/Studio® Enterprise

Enterprise Design & Modeling Suite



EMBARCADERO
TECHNOLOGIES®



The ER/Studio® Enterprise Suite is a powerful modeling and enterprise architecture solution that combines process, data, application modeling and reporting into a multi-level design environment. ER/Studio Enterprise enables data management professionals to understand, design and communicate software architectures across the organization for improved alignment between business and IT.

- Enterprise class data modeling and design
- Business modeling for connecting process and data
- Object-oriented software modeling
- Server based repository collaborative modeling
- Real-time model business intelligence



ENTERPRISE CLASS DATA MODELING AND DESIGN

ER/Studio Enterprise, with its industry-leading data modeling capabilities, enables companies to discover, document, and re-use data assets. With round-trip database support, data architects have the power to easily reverse-engineer, analyze, and optimize existing databases. ER/Studio Enterprise provides strong reporting and communication capabilities which can be used to enforce organizational standards and achieve higher levels of productivity.

BUSINESS MODELING FOR CONNECTING PROCESS AND DATA

ER/Studio Enterprise provides process and conceptual modeling to enable architects to easily document business processes and how they access data. Bringing together the simplicity of a drawing tool with the rich semantics of the BPMN standard, business users can easily model the relationships between processes, people and data.

OBJECT-ORIENTED SOFTWARE MODELING

With rich object-oriented modeling features, application architects can visually analyze and design complex software applications. By supporting the UML 2.0 specification, it simplifies the design stage of a project by organizing and visualizing the requirements, subsystems, design patterns, and audit and metrics of intensive software systems.

REAL-TIME MODELING BUSINESS INTELLIGENCE

ER/Studio Enterprise includes a robust web-based query and reporting engine that allow users to access and search the ER/Studio Repository for improved understanding of metadata, object whereabouts, and data usage. It can be accessed via any web browser for cross-model and repository-wide data definition and object searches.

SERVER BASED COLLABORATIVE MODELING

ER/Studio Enterprise includes a server-side model management system that solves the day-to-day challenges of modeling data and business processes together where team collaboration, model access and data integrity are needed. It allows multiple users to be extremely productive on data and business process modeling projects with real-time concurrent access to a server based model management system that team members can share and re-use assets across projects.

Key Features

- Model-Driven Design Environment
- Multi-level Design Architecture
- Visual Data Lineage
- Round-trip Database Support
- Software, Process, Physical and Logical Modeling
- Customized HTML, PDF, RTF Publishing & Reporting
- Diagram Layout Engines and Navigation
- Data Dictionary Standardization
- "Where Used" Analysis
- Collaborative Modeling Environment
- Multi-platform DBMS Support

New! in ER/Studio 8.5

- **Integrated modeling** with a common set of tools to understand and design process, conceptual, physical and logical models in a collaborative, integrated and secure environment.
- **Software modeling** in a design-driven environment supporting UML 2.0, OCL, patterns, quality assurance audits and metrics, import/export, and automated documentation generation.
- **Upgraded Visual Data Lineage** to visualize, document and report data flows through the organization without inspecting code using advanced data visualization features.
- **Updated DBMS** features for the latest editions of Oracle, SQL Server, DB2 LUW, InterBase and Teradata.
- **New Workflow Communication** facilities with web 2.0 technologies like bi-directional commenting and tagging between ER/Studio Data Architect and Portal.
- **Powerful and sophisticated reporting options** enable users to create and share models and metadata in HTML, RTF, GIF, PNG and JPEG formats.

Select Features

ER/Studio Enterprise

ER/Studio Data Architect

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| "Where Used" Analysis with User-defined Mapping | Displays the mappings between logical entities and attributes and their implementation across physical designs. Allows data architects to customize the mapping of logical and physical artifacts for informational purposes. |
| Visual Data Lineage | Visually documents source/target mapping and sourcing rules for data movement across systems. Customize data flows with shapes. |
| Round-trip Database Support | Round-trip database support for forward and reverse engineering. |
| Advanced Compare and Merge | Enables advanced, bidirectional comparisons and merges of model and database structures such as logical-to-physical, physical-to-physical, physical-to-database, etc. |

ER/Studio Business Architect

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| Conceptual Model Creation | Support for high-level conceptual modeling using elements such as subject areas, business entities, interactions, and relationships. |
| Process Model Creation | Support for straightforward process modeling that uses standard elements such as sequences, tasks, swim lanes, start events, and gateways |
| BPMN Compliance | Optional automatic validation of process diagrams to ensure compliance with the BPMN specification and prevent the addition of non-compliant modeling elements. |
| CRUD Reporting | CRUD reports identify which processes affect which data, and what affects they have. Reports are available in a straightforward spreadsheet view. |

ER/Studio Software Architect

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| Model Driven Architecture & Standards | Support Unified Modeling Language™ (UML® 2.0), XML Metadata Interchange (XMI®), Query/ Views/Transformations (QVT) and Object Constraint Language (OCL). |
| Model Patterns | Provides powerful re-use facilities to jumpstart projects through predefined patterns. |
| Document Generation | Document generation facility and templates to create external documentation to track projects. Export formats to RTF, HTML, TXT, and PDF. |
| Quality Assurance | Analyze and measure ongoing projects with OCL-base model audits and metrics that can easily be defined, saved and re-used. |

ER/Studio Portal

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| Structured Browsing & Navigation | Provides a web-based navigation of the repository diagrams The user will be presented with a scrollable list of projects and the diagrams contained within each repository project folder. |
| Technical Reports | Pre-installed for implementation details such as data types, column width, column names, how objects are related, data lineage between models, and security classification information. |
| Automatic Data Synchronization | As diagram objects are added, deleted, or updated in the ER/Studio Repository, the most recent version of the diagram will be sent to the reporting portal. Synchronization can be scheduled at the administrator's discretion. |
| Advanced Searching | Wildcard searching with the ability to limit the search to specific object types or specific projects and specify a sort order. |

ER/Studio Repository

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| Concurrent Model and Object Access | Allows real-time collaboration between modelers working on data models down to the model object level. |
| Reviewing Changes and Resolving User Conflict | Conflict resolution through simple and intelligent interfaces to walk users through the discovery of differences identified between a specific user's model and changes that have occurred simultaneously to the model by others connected to the Repository. |
| Version Management | Manages the individual histories of models and model objects to ensure incremental comparison between, and rollback to, desired diagrams and diagram elements. |
| Component Sharing and Reuse | Pre-defined Enterprise Data Dictionary that eliminates data redundancy and enforces data element standards. |

Download a Free Trial at www.embarcadero.com

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