DATASHEET

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ER/Studio® Business Architect
Real-world Process and Conceptual Modeling

EMBARCADERO TECHNOLOGIES®
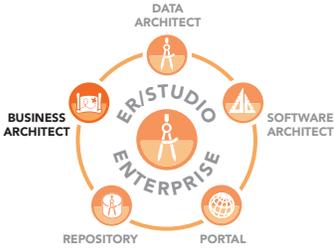
Embarcadero® ER/Studio® Business Architect is a tool for creating a graphical representation of your business from the core concepts that describe the business, to the processes that detail how your business operates. ER/Studio Business Architect allows you to easily model your business processes and how those processes use data. ER/Studio Business Architect conceptual modeling provides an intuitive way to outline subject areas and concepts that can then drive the creation of detailed data models.

- Business process modeling based on the BPMN standard
- Conceptual modeling for top-down database design
- Align technology with business goals
- Compliance with government regulations

Search, report, and publish process models from Business Architect directly to the Portal

Store ER/Studio Business Architect models in the ER/Studio Repository for collaborative modeling, version management and security benefits.

BUSINESS PROCESS MODELING BASED ON THE BPMN STANDARD

With ER/Studio Business Architect, companies can easily document and understand their present day business processes, making it easy to examine, analyze, and recommend changes. After analysis, companies can then use ER/Studio Business Architect to design and codify changes to processes, and even manage and communicate interim processes used to affect those changes.

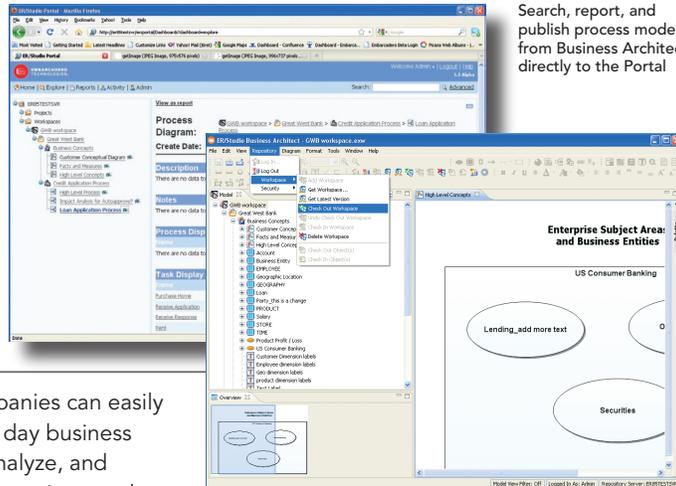## CONCEPTUAL MODELING FOR TOP-DOWN DATABASE DESIGN

Using the conceptual modeling capabilities in ER/Studio Business Architect, it is easy to create a high-level visual representation of your business. This easily-understood model will help you get buy-in and clarification on requirements as you begin your top-down database or business process design.

ALIGN TECHNOLOGY WITH BUSINESS GOALS

By modeling the relationships between business processes and their underlying data, companies are better able to take advantage of their technology. ER/Studio Business Architect makes it possible to do things such as identify all business processes that modify customer data, or determine which business users will lose productivity when a system outage occurs.

COMPLIANCE WITH GOVERNMENT REGULATIONS

Tying together an understanding of business processes, what sensitive data elements they interact with, and what individuals are involved is a key element in reaching compliance with government regulations such as Sarbanes-Oxley, HIPAA, or Basel II. With ER/Studio Business Architect, both business and technical users can work together to assure the business meets appropriate government regulations.

Related Products

ER/Studio®
A model-driven data architecture and database design solution.

ER/Studio Repository
A scalable, server-based, model management system

ER/Studio Portal
A browser-based solution allowing organizations to share, browse, and report on information contained in the ER/Studio Repository

ER/Studio® Software Architect
Object-oriented modeling tool to visually analyze, design and implement complex application and data structures.

ER/Studio Viewer
View, navigate and print ER/Studio models in a view-only environment

ER/Studio MetaWizard
Integrate metadata across modeling tools, business intelligence, ETL platforms and industry-standard exchange formats (XMI, XML and XSD)

ER/Studio Universal Data Models
Standard and industry data model templates for ER/Studio that reduce development time and facilitate standardization

Embarcadero® Schema Examiner
Automate error-checking and corrections for database schema to quickly and easily improve data quality and system performance

Embarcadero® All-Access™
Instant access to the languages, tools, and technologies to design, build, and run your software applications and database systems.

Select Features	
ER/Studio Business Architect	
Conceptual Modeling	
Conceptual Model Creation	Support for high-level conceptual modeling using elements such as subject areas, business entities, interactions, and relationships
Relationship Traceability	Model links between any conceptual or process modeling elements allowing you to trace relationships between models
Conceptual Model Export	Conceptual models can be exported to Embarcadero ER/Studio to become the foundation for creating ER/Studio logical data models
Business Process Modeling	
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
Embedded Sub-process Support	Independent sub-processes and embedded collapsible sub-processes can be included within a business process to allow for maximum flexibility in diagramming, while still ensuring a workable visual diagram
Impact Analysis Reporting	
Multi-object, Multi-level Reporting	Impact analysis reports can be generated to show interrelationships between process, data, stewardship, business rules, diagram usage, heritage, connecting objects etc.
Report Filtering	Impact analysis reports can filter based on type of relationship, object type, or text strings including wildcard matching
Usage (CRUD) Reporting	
Link Processes with Data	The relationships between business processes and data objects can be modeled to identify what processes create, read, update, and delete data objects
CRUD Reporting	CRUD reports identify which processes affect which data, and what affects they have. Reports are available in a straightforward spreadsheet view.
Report Filtering	Reports can be shown across object types, or can be filtered based on individual object type such as tasks, or business processes, allowing users to drill down based on specific requirements
Business Artifact Modeling	
External Data Objects	Support for data objects which are general data storage constructs that can represent databases, file systems, or other data storage mechanisms
Business Elements	Capture business terms that can later be used to enforce naming standards or as the foundation of logical data models
Business Rules	Incorporate policies, practices or formulas related to business processes as part of the process model elements and metadata
Business Units	Create and incorporate business units into process models such as sales, human resources, or accounting
Stewardship	Support for inclusion of organizational roles such as 'DBA' or 'Sales Manager' to incorporate ownership for specific processes or tasks
Links	Create generic associations between any object for impact analysis and CRUD reporting
Powerful and Intuitive User Interface	
Organizational Hierarchies	ER/Studio Business Architect allows you to organize your information to align with your business strategy, allowing for a Project-based tree hierarchy which can group multiple model types and diagrams into intuitive projects to allow for alignment with business initiatives or organizations.
Flexible Interface	Full support for multiple property editors, tab based navigation, undo-redo, collapsible nested tree views, zoom based navigation, and keyboard shortcuts
Grid Editing	A table-based alternative to the hierarchical tree view, grid editing allows the display of large numbers of objects or business rules in an easy to read format
Publish Models to Web	Automatically generate HTML views of your models to share with other people in your organization
Import/Export	
Easily Share Information Across Multiple Roles and Formats	ER/Studio Business Architect makes it easy to share process models among a broad range of user groups by exporting them into a wide variety of supported formats including xml, csv, html, pdf, rtf, and jpeg
ER/Studio Import/Export	Import and export Embarcadero ER/Studio models for use as data assets or Conceptual diagrams
Visio Import	Configurable import capabilities let you import diagrams from Microsoft® Visio®
ER/Studio Repository	Access to a server based repository for improved version control and collaborative work environment. Available in ER/Studio Enterprise.
Robust Architecture	
Separation of Data and Display	ER/Studio Business Architect is based on a robust metadata foundation that allows core data to be manipulated and displayed in a variety of formats, without requiring a "picture" or diagram, speeding performance and increasing knowledge transfer across multiple constituencies
Object Reuse	Core process and enterprise objects can be reused across multiple diagrams, allowing for a "single version of the truth" across the organization
Standards-based	ER/Studio Business Architect is based on industry standards: Eclipse-based, XML file formats with published Schema, and BPMN modeling notations

System Requirements

- CPU: 1.2 GHz
- RAM: 1 GB
- Disk Space: 250 MB
- Video: SVGA (2 MB) High resolution monitor (1024 x 768 or higher) with high color (16-bit)
- Microsoft Windows XP SP2, Vista 2007

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