ER/Studio Business Architect

CREATE BUSINESS PROCESSES AND CONCEPTUAL MODELS FOR BUSINESS ARCHITECTURE

ER/Studio Business Architect is a business process and conceptual modeling tool that simplifies how business stakeholders and data architects document conceptual models and business processes and how those processes impact enterprise data, to align with business goals and regulatory requirements. Bringing together the simplicity of a drawing tool with the rich semantics of the BPMN 2.0 standard, business users and data professionals can easily model the relationships between people, processes, and data with Business Architect.

WHY ER/STUDIO BUSINESS ARCHITECT?

The Business Architect tool provides a focused set of features for establishing a business architecture, offering deep functionality for conceptual modeling, business process modeling, and capturing the connections between process and data. Bringing together the simplicity of a drawing tool with the rich semantics of the BPMN 2.0 standard, business users can easily model the relationships between people, processes, and data with Business Architect.

For BPMN 2.0 users, Business Architect includes extensive events, tasks, and gateways for documenting processes, and rich validation capabilities. It also includes the ability to document complex conversations with choreography to provide visibility to touchpoints. Users can publish and view business process models, including BPMN 2.0 objects, in ER/Studio Team Server.

In addition to diagramming capabilities, Business Architect captures metadata associated with business processes. This allows users the capability to model the relationships between business processes and data models, and to export the information into a variety of formats.

With ER/Studio Business Architect, both business and technical users can more effectively collaborate to ensure compliance with internal business standards and external mandatory regulations. Tying together an understanding of business processes, the sensitive data elements they interact with, and the individuals involved is a key element in reaching compliance with government regulations such as Sarbanes-Oxley, HIPAA, or GDPR. Business Architect helps data professionals and business stakeholders communicate better and define a business-driven enterprise architecture.
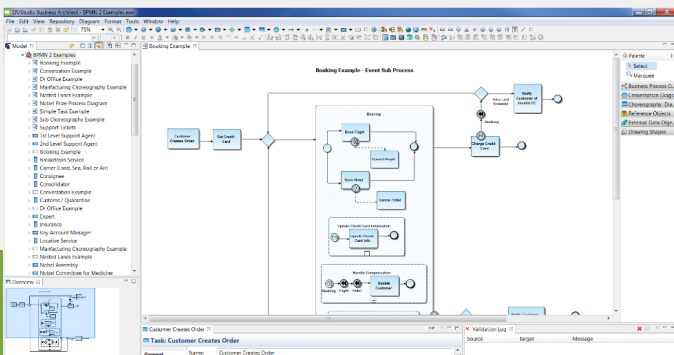
PRODUCT HIGHLIGHTS

- Design business processes and conceptual models to align with business goals

- Map and model the relationships between people, processes, and data

- Easily export conceptual models to ER/Studio Business Architect to create logical models

- Quickly validate that business process models meet BPMN 2.0 specifications

- Comply with regulatory requirements by identifying sensitive data elements

KEY BENEFITS

Develop a business architecture framework Develop a comprehensive business architecture by defining business processes and activities that identify your organizational goals and the data that must be collected, organized, protected and distributed via people, applications and technology. Improve your organizational efficiency with transparency in your business structure and processes to reduce disconnects between departments and systems. ER/Studio Business Architect provides you the tools to enable your teams to easily define and visualize your business rules, processes, and procedures to establish and define the way they run the business.

Describe how your organization does business Document how your company uses data and align your processes to meet business objectives. Create conceptual models to show the high-level visual representation of an organization, and share them with key stakeholders. Map and model the relationships between processes, people and data to provide visibility into the business. ER/Studio Business Architect can access the scalable model repository for sharing business process and conceptual models across the organization.

Drive the business value of data Encourage collaboration and break down silos between business and IT stakeholders by publishing conceptual models to Team Server. Align business goals with regulatory requirements to enable a foundation for data governance and improve compliance to audits. Increase visibility of organizational processes and data usage to identify gaps in your processes through BPMN-compliant process modeling.

Start for FREE!

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BUSINESS PROCESS MODELING

Process Model Creation Create business process models using elements such as events, tasks, gateways, pools and swim lanes, choreography and conversations

BPMN 2.0 and 1.x Compliance Optional automatic validation of process diagrams to ensure compliance with the BPMN specifications

BPMN 2.0 Validation Validate your processes based on BPMN 2.0 standards (in real time or as needed)

Events Includes all BPMN 2.0 Events – Message, Timer, Error, Escalation, Cancel, Compensation, Conditional, Link, Signal, Terminate, Multiple and Parallel Multiple

Tasks, Subprocesses, Call Activities Includes all BPMN 2.0 Activities – Tasks, Loops, Subprocesses, Event Subprocesses, Call Activities, Compensation and Transactions

Gateways Includes all BPMN 2.0 Gateways – Exclusive, Inclusive, Parallel, Complex, Event-based, Exclusive Event-based and Parallel Event-based

Pools and Swim Lanes Includes horizontal and vertical pools as well as lanes and nested lanes

Choreography and Messages Fully functional choreography objects

Conversation Fully functional conversation objects

Data Objects Includes all BPMN 2.0 data objects – Input, Output, Collection, Input Collection, Output Collection

Embedded Subprocess Support Flexibility in diagramming and a workable visual diagram by embedding collapsible subprocesses within a business process

BUSINESS ARTIFACT MODELING

External Data Objects Support for data storage objects to represent databases, entities, tables, views, data storage, data feeds, reports and file systems

Application Capture the applications that interact with your business process models

Business Elements Capture business terms to enforce naming standards or to build logical models

Business Rules Incorporate policies, practices or formulae related to business processes

Business Units Incorporate business units such as sales, human resources or accounting into process models

Stewardship Support for organizational roles to own specific processes

CONCEPTUAL MODELING

Conceptual Model Creation Support for high-level conceptual modeling using subject areas, business entities, interactions and relationships

Relationship Traceability Model links between conceptual or process modeling elements

Conceptual Model Export Export conceptual models to ER/Studio Data Architect to create logical models

Logical Model Import Import logical data models from Data Architect to extract content for conceptual models

INTUITIVE USER INTERFACE

Organizational Hierarchies Project-based tree hierarchy to group multiple model types and diagrams to align with business initiatives or organizations

Flexible Interface Full support for multiple property editors, tab navigation, undo-redo, collapsible nested views and zoom

Grid Editing Alternative to hierarchical tree view to display large number of objects or business rules for easy viewing

Appearance Editing Ability to update the appearance of your objects (font, size, alignment, colors, etc.) – available per object or as a model preference

Drawing Shapes Ability to add additional drawing shapes to your diagrams to assist in visual communication

Object Alignment Ability to align your objects, group objects or snap to grid

Separation of Data and Display Core data can be manipulated and displayed in a variety of formats, speeding performance and increasing knowledge transfer

Object Reuse Process and enterprise objects can be reused across multiple diagrams allowing a single version of truth

Standards-based Formats Based on industry standards: Eclipse-based, XML file formats from published Schema, BPMN 2.0 modeling notations

REPORTING

Multi-object, Multi-level Impact Analysis Reporting Show interrelationships between process, data, stewardship, business rule, diagram usage, heritage and connecting objects

Impact Analysis Report Filtering Filter reports based on type of relationship, object type, text strings including wildcard matching

Align Processes with Data Model to identify what processes create, read, update and delete (CRUD) data objects

CRUD Reporting Report processes that affect data and the type of effect

Usage (CRUD) Report Filtering Generate reports across object types or filter based on individual object types such as tasks and business processes

IMPORT/EXPORT/PUBLISH

Export Across Multiple Formats Share via compressed workspaces, JPEG diagrams or Web reports which are in HTML and JPEG format

Export to Data Architect Save and export conceptual models as .dm1 files for use in Data Architect

Import Content via Multiple Formats Import Data Architect .dm1 files, CSV files (for business elements, business entities, business rules, business units, domains, stewards, subject areas, tasks and applications) or compressed workspaces

Visio Import Configurable capabilities to import diagrams from Microsoft Visio

Store and Publish Files Store files in the shared model Repository and publish them to Team Server for viewing, when working with the Enterprise Team Edition

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