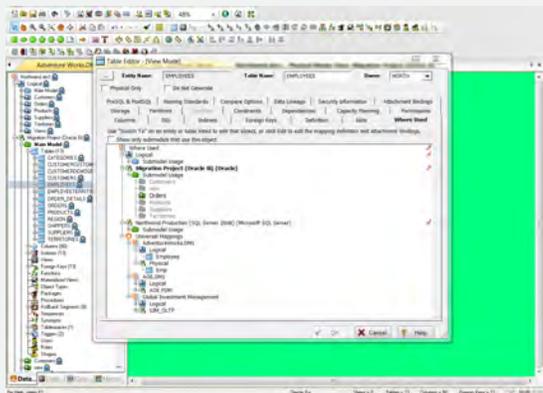# ER Studio™

The ultimate collaborative enterprise data architecture and modeling solution

With many organizations seeing a significant increase in data, and with data becoming more diverse and updated more frequently, it's clear that the role of data management professionals has become increasingly complex. ER/Studio Enterprise Team Edition sets a new standard for data management that empowers users to easily share, document and publish models and metadata across the whole organization.

The Challenge of Managing and Utilizing Enterprise Data

Physically capturing and properly integrating data is challenging, especially for unstructured content. Making sense of the new data, interpreting it correctly, and making it available to decision makers by a specific time poses three distinct challenges for data management professionals:

· Leveraging enterprise data as an organizational asset
· Improving and managing data quality
· Clearly and effectively communicating data throughout an organization

According to a 2011 study by Artemis Ventures, poor data quality costs the US economy around $3.1 trillion per year. Several industry reports estimate the cost of poor quality data at 15% to 25% of a corporation's operating revenue. It is estimated that 25 percent of all data in Fortune 1000 companies remains inaccurate. Bad data comes from a lack of standardization. IT professionals must improve the data quality and consistency to get the full value of their data so that it can be trusted by decision makers.

Those organizations that can make even incremental improvements to the accurate and effective use of large volumes of data will see significant benefits. A recent study by the University of Texas found that if the median With an emphasis on collaboration, ER/Studio Enterprise Team

edition gives data modelers and data architects the capabilities needed to analyze, document, and share essential metadata across the organization, including glossaries, terms and custom attributes. Data professionals can define an enterprise glossary to consolidate the business terms and definitions for all data models, and business users can contribute to the glossary contents to establish an authoritative reference.

Now business and technical users – in any size of organization – can be confident that high value and complex decisions are based on a common understanding of the corporate metadata. They can rest assured that interpretations of data from myriad sources, including big data and relational data, will be consistent across a large enterprise. ER/Studio Enterprise Team edition allows data management professionals to document, interpret, and fully take control of their enterprise data environment.

When an organization can interpret data accurately, and share and re-use data faster, the quality of business decision-making improves. Empowered with easy-to-use features for communicating and sharing essential data and definitions, ER/Studio Enterprise Team edition users find it easier and faster to successfully draw high value conclusions. ER/Studio gives data management professionals the metadata foundation to quickly respond to business process demands, reducing the risk of non-compliance, while delivering greater, more actionable insight.

Many organizations must deal with both structured and schema-less data, as well as a broad landscape of platforms. ER/Studio Enterprise Team edition builds even further on its support of strategic enterprise systems including Teradata, Netezza, and Greenplum, as well as Big Data platform support for Hadoop Hive and MongoDB, giving organizations an interpretive and collaborative enterprise advantage for leveraging their data residing in diverse locations, from data centers to mobile platforms.

ER/Studio Enterprise Team edition delivers superior organization of data models by correlating physical and logical mappings, and provides enhanced metadata and traceability features supported by visual documentation. ER/Studio Team Server's extensive navigation features give business users the ability to browse, search and report on model metadata, streamlining communication and collaboration.

Embarcadero Technologies is dedicated to helping data management professionals achieve increasingly complex tasks quickly, and with greater ease. ER/Studio provides visibility into existing data assets while reducing re-creation and redundancy. Empowered with easy-to-use features for communicating and collaborating on essential data and definitions, ER/Studio users find it simpler and faster to successfully manage their data and use it for making high-value decisions.

BENEFITS SUMMARY

- Improve communication with business users and enable them with the right level of data visibility
- Improve accuracy and quality of data and metadata

- Create and collaborate on an enterprise glossary with consistent terms and definitions
- Track data model changes and their impact on data sources, databases, and applications

ER/Studio Data Architect

UNIVERSAL MAPPINGS	Map between and within conceptual, logical and physical model objects to view upstream or downstream
"WHERE USED" ANALYSIS	Display mapping between conceptual and logical models and their implementations across physical designs
VISUAL DATA LINEAGE	Full Unicode character support throughout the application.
ROUND-TRIP DATABASE SUPPORT	Visually document source/target mapping and sourcing rules for data movement across systems
ADVANCED COMPARE AND MERGE	Enable advanced, bidirectional comparisons and merges of model and database structures
NAMING STANDARDS	Automatically apply a naming standards template across logical and physical models by binding it to entities and attributes

Repository

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
VERSION MANAGEMENT	Manages the individual histories of models and model objects to ensure incremental comparison between, and rollback to, desired diagrams
COMPONENT SHARING AND REUSE	Predefined Enterprise Data Dictionary eliminates data redundancy and enforces data element standards
SECURITY CENTER GROUPS	Streamline security administration with local or LDAP groups improving productivity and reducing errors
AGILE CHANGE MANAGEMENT	Assign and track tasks associated with data models to keep the models relevant with fast-changing databases and applications

ER/Studio Team Server

TEAM COLLABORATION	Apply enterprise collaboration features such as activity and discussion streams, to capture and share corporate knowledge and reduce time identifying and correcting expensive data quality issues
MODEL AND METADATA ACCESS	Share and collaborate on models and metadata across the organization with unlimited web user access
INLINE DEFINITIONS	View definitions for registered data elements or business terms in integrated data access tools and internal web pages
SEMANTIC MAPPING	Relate business terms to critical data elements including tables, columns, entities and attributes
ENTERPRISE GLOSSARY	View, classify, relate and centrally store authoritative business definitions in an extensible enterprise glossary of business terms, and track changes with an audit trail
GLOSSARY HEIRARCHY	Create child glossaries that inherit a subset of terms from one or more glossaries to define a tiered structure that can correlate to organizational configurations
DATA SOURCE REGISTRY	Single searchable registry of all available created or imported data sources
DATA SOURCE MAPPINGS	Track and analyze the impact of data model changes back to affected data sources
CENTRALIZED REPORTING	More than 20 out-of-the-box reports and a reporting wizard for ad hoc reports that can be exported to several formats and shared
ADVANCED SEARCH	Easily search and filter results for data objects, data sources, glossaries, and terms

Business Architect

CONCEPTUAL MODEL CREATION	Supports 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

Software Architect

MODEL DRIVEN ARCHITECTURE AND STANDARDS	Supports Unified Modeling Language™, XML Metadata Interchange (XMI ®), Query / Views / Transformations (QVT) and Object Constraint Language (OCL)
MODEL PATTERNS	Powerful re-use facilities to jumpstart projects through predefined patterns

MetaWizard

IMPORT BRIDGES	Import model information from BI, ETL, other modeling tools, and industry-standard metadata interchange formats
EXPORT BRIDGES	Easily export your models to BI, ETL, other modeling tools, and industry-standard exchange formats such as XMI, XML, and XSD

"ER/Studio allows us to collaborate efficiently and keep up with our vast, complex databases and our customers' needs." KELLY CARRIGAN, VP OF DATA WAREHOUSING AND INFRASTRUCTURE, CATALINA MARKETING.

"With ER/Studio, we can have closer collaboration between architects and DBAs, which improves efficiency and provides the visibility we need."

LORRAINE KNERR, VICE PRESIDENT OF DATA MANAGEMENT, ACCOLADE

Download a Free Trial Now! Contact us: ventas@gopac.com.mx