

Select Features

ER/Studio Data Architect

Highly Productive Model-driven Design Environment

Advanced Graphics and Layout	Automatically creates highly readable, highly navigable diagrams
Multilevel Design Capabilities	Allows many physical designs from a core logical architecture
Automated and Custom Transformation	Streamlines the derivation of a physical design from a logical one and checks for normalization and compliance with the target database platform. Custom data type mapping and naming standards templates further streamlines this process
Denormalization Mapping	Allows physical database designers to optimize a physical design while maintaining ties to the logical artifacts
Extensible Automation Interface	Automates tedious, routine tasks such as coloring tables, enforcing and applying naming standards, globally updating storage parameters and integrating with other desktop applications such as Microsoft® Excel®, Word, or Access
Undo/Redo	Reverses the most recent sequence of operations in chronological order
Bi-Directional Object Commenting	Add workflow comments to model objects for documentation needs or for communicating ideas when collaborating on models. Comments are shared and accessed in both the Portal and the ER/Studio client
Multiple Presentation Formats	Publishes models and reports in a variety of formats including HTML, RTF, XML Schema, PNG, JPEG, DTD Output, and ER/Studio Viewer
Business Intelligence Portal	Online BI portal allowing organizations to query, analyze, browse, report and share information contained in the ER/Studio Repository. ER/Studio Portal is available in ER/Studio Enterprise

Complete Database Lifecycle Support

Forward-engineering	Generates source code for some database designs
Reverse-engineering	Constructs a graphical model from an existing database or schema
Database Modification	Allows design changes made to the data model to be applied directly to a database by formulating intelligent alteration code

Enterprise Model Management

Advanced Compare and Merge	Enables advanced, bi-directional comparisons and merges of model and database structures such as logical-to-physical, physical-to-physical, physical-to-database, etc.
Submodel Management	Allows creation of multileveled submodels, merging of submodel properties across existing models, and synchronization submodel hierarchies across disparate models
Metadata Integration	Imports and exports metadata from a variety of sources including BI platforms, UML and data modeling solutions, XML schemas, and CWM (common warehouse metamodel) to create a metadata hub
Data Dictionary Standardization, Enforcement and Reuse	Helps define and enforce standard data elements, naming standards, reference values and many other objects across any project. Facilitates impact analysis and support of standards across multiple models with domain inheritance, reusable objects, and automatic updates.
"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.
XML Schema Generation	Ensure XML projects such as those using Service Oriented Architecture (SOA) are based on the same standards and metadata as your data models by modeling them in ER/Studio and generating XSD from either the physical or logical model.
Repository for Team-centric Collaborative Modeling	Provides organizations using ER/Studio with a scalable, server-side, model management system that includes model and object version management, security management, and the ability to branch and merge models. ER/Studio Repository is available in the Enterprise edition.

Data Warehouse and Integration Support

Visual Data Lineage	Visually documents source/target mapping and sourcing rules for data movement across systems
Dimensional Modeling	Leverages complex star and snowflake schema designs and supports the importation of its rich dimensional metadata from a variety of BI and data warehouse platforms

Quality Database Design

Model Completion Validation	Automates model reviews and enforces standards with more than 50 checks to validate logical and physical models for missing object definitions, unused domains, identical unique indexes, and circular relationships
Automatic Migration of Foreign Keys	Maintains foreign keys to ensure referential integrity in designs
Capacity Planning	Manages row count and growth rates for tables and can calculate future storage requirements and forecasts future needs

Security Design and Assessment

Data Classification	Categorizes and labels data and objects according to the level of security and privacy that should be applied to that information
Permission Management	Enables users, roles, and permissions modeling at the logical and physical level

DBMS Support

- Hitachi® HiRDB
- IBM® DB2®: 5.x, 6.x, 7.x, 8.x, 9.x for LUW; 5.x, 6.x, 7.x, 8.x, 9.x for z/OS®; and iSeries V4R5 and V5R2
- Informix® OnLine and SE
- Informix 9.x dynamic server
- InterBase® 4, 2007, 2009
- Microsoft® Access 2.0, 95, 97, 2000
- Microsoft SQL Server 7, 2000, 2005, 2008
- Microsoft Visual FoxPro® 3, 4, 5
- MySQL® 3.x, 4.x, 5.x
- NCR® Teradata® V2R4, V2R5, V2R6, 12.0
- Oracle® 7.3.x, 8.x, 9i, 10g, 11g
- PostgreSQL 8.x
- Sybase® Adaptive Server® Enterprise (ASE) 11.9.2, 12.x, 12.5, 15.0
- Sybase Adaptive Server Anywhere (ASA) 5, 6, 7, 8, 9, 10
- Sybase IQ 12.5
- Sybase Watcom SQL

System Requirements

Client System Requirements:

- 100 MB of hard disk storage
- 1 GB of RAM minimum, 2 GIG of RAM recommended
- Pentium III, 600 MHz or higher
- 1024x768 display resolution recommended
- Windows 2000 Pro Server, Windows XP Professional, Windows 2003 (32-bit mode), and Windows Vista
- Native Connections: Oracle, DB2 UDB (LUW, iSeries, and z/OS), SQL Server, and Sybase client libraries required
- ODBC Connections: For databases ER/Studio supports via ODBC, a valid ODBC driver is required

Server Repository Requirements:

- Pentium IV-class processor or higher
- 50MB hard disk storage for installation required
- 2 GB of RAM
- Windows 2000, Windows XP, Windows 2003 Server, Windows Vista
- Native Connections: Oracle, DB2 UDB (LUW, iSeries, and z/OS), SQL Server, and Sybase client libraries required

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