IDERA Solutions for Data Professionals
with Complex Database Environments

Every year, data becomes increasingly critical to business growth and even more complex to manage effectively. The evolving data ecosystem organizations face today seems overwhelming, being comprised of multiple technologies and formats including relational, NoSQL, raw data, document stores, data lakes and data warehouses. Additionally, there is a hybrid of data deployment options (physical, virtual, private cloud, public cloud) not to mention the growing importance of data governance. All of these variables have made the job of today's Data Professionals more important and more complicated. The data ecosystem will continue to evolve making collaboration between database developers, DBAs, data architects and data analysts essential to ensure data integrity, usability and availability for solid business decision-making within organizations.

To help address some of these dynamics, IDERA provides products to ease the burden of organizations managing complex database environments and to simplify data governance. In particular, IDERA has two products which Data Professionals can use to address these environment challenges: ER/Studio Enterprise Team Edition and Aqua Data Studio.

KEY USE CASES
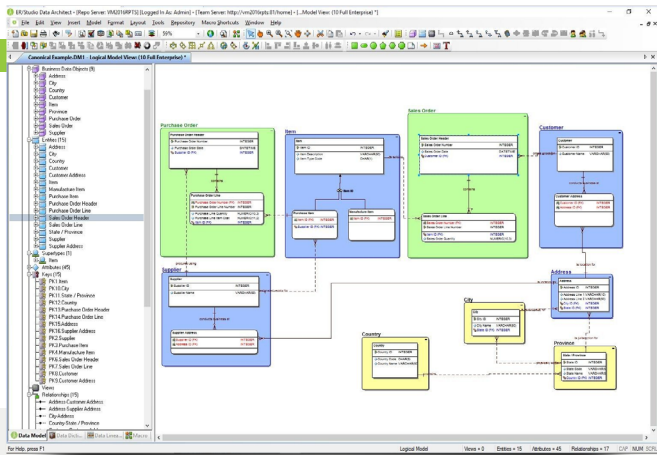
DATA ARCHITECTURE & GOVERNANCE
- Build out an enterprise data model from relational, NoSQL, big data, and other sources
- Discover and visually document existing data assets across multiple platforms and data sources
- Create business process models to view the relationships between processes, people, and data
- Identify data sources and manage transformation of data between staging and a data warehouse
- Catalog metadata for data governance or data quality initiatives
- Trace data lineage to enhance data integration and identify duplicates or erroneous data
- Perform an impact analysis of new policies or projected changes to models or databases
- Ensure data consistency with change management across development and modeling teams

DATABASE DEVELOPMENT
- Develop database code for relational, NoSQL, and cloud DBMS platforms
- Create, edit, and run SQL queries against multiple database platforms
- Optimize SQL code to enhance application performance
- Compare and synchronize schema objects between databases
- Develop and debug scripts to automate routine database operations
- Manage versions of SQL scripts and other database files

DATA ANALYSIS
- Identify, analyze, and interpret trends or patterns in complex data sets
- Acquire data from multiple data sources whether relational, NoSQL, or cloud databases
- Access and manipulate data from SQL queries for analysis and evaluation
- Filter and clean data by reviewing reports and performance metrics to locate and fix bad code
- Create visualizations and reports of data to share with colleagues for decision making
- Work with business management to prioritize business data and information needs

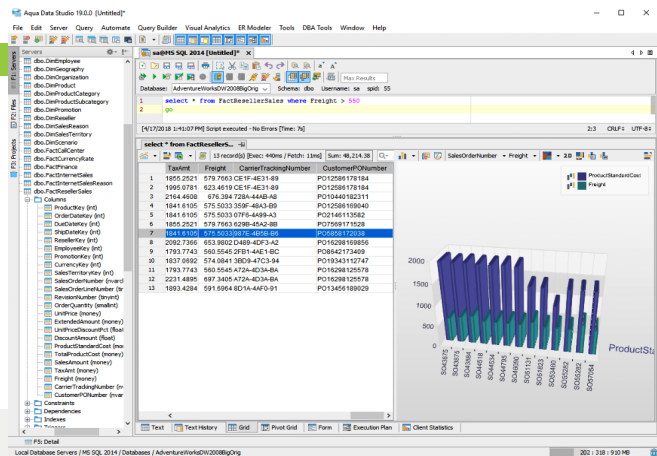## ER/Studio Enterprise Team Edition

ENTERPRISE ARCHITECTURE MODELING AND METADATA

- Document and enhance data and metadata for enterprise architectures
- Model data from relational, NoSQL, big data, BI, and ETL sources
- Implement naming standards and a data dictionary to improve consistency
- Share and collaborate on global business glossary terms and definitions
- Effectively communicate data models and metadata across the enterprise
- Build a foundation for data governance and compliance programs

LEARN MORE

"The integration of business and technology is seamless in the **ER/Studio Enterprise Team Edition**. No other product I have worked with accomplishes this with such ease for both architects and business users."

- Convergence Consulting

Aqua Data Studio

UNIVERSAL IDE FOR RELATIONAL, NOSQL, AND CLOUD DATABASES

- Visually create and execute SQL queries against multiple database platforms
- Access and alter query data quickly and easily with a convenient table data editor
- Create visualizations to analyze data with an easy-to-use drag and drop interface
- Customize charts and graphs to display and share data with the business
- Compare and synchronize schema objects between databases
- Develop and debug scripts to automate routine database operations

LEARN MORE

"With **Aqua Data Studio**, I'm saving seconds or minutes per task at a time, and over the course of a day or a year, it's huge."

- Snowline School District