

# MongoDB and IDERA: Model Your Big Data



## Overview of Joint Solution

With round-trip database support, data modeling professionals can use ER/Studio® Data Architect to easily reverse engineer, compare and merge, and visually document data assets. A variety of database platforms, including traditional RDBMS and non-relational databases such as MongoDB, can be imported and integrated into shared models and entity definitions.

## Product Overview

ER/Studio Data Architect, the industry-leading cross-platform data modeling tool, enables companies to discover, document, and re-use data assets from both RDBMS and non-relational environments. Truly separate, but fully integrated, logical and physical models meet the needs of both data architects and database developers to engineer sound databases. Comprehensive data model management and collaboration capabilities simplify building and maintaining complex enterprise data models.

## Modeling MongoDB:

*Create and compare models from existing databases*

Powerful reverse engineering capabilities allows a data modeler to compare and consolidate common data structures without creating unnecessary duplication.

*Define the enterprise data dictionary*

By enforcing standards and reusing consistent data elements, corporations can ensure that they know what their data actually means and how it can best be utilized.

*Make modeling easier*

ER/Studio Data Architect provides built-in facilities to automate routine modeling tasks so data modelers and architects can analyze and optimize complex database and data warehouse designs quickly.

## Use Data Models to Leverage Assets

*Integrate MongoDB into your enterprise assets*

Big data can be rationalized and leveraged as input for dimensional models that both IT and business stakeholders can reference for analytics.

## Company Overview

- Market leader in creating database lifecycle management solutions
- Over 20,000 customers in more than 90% of the Fortune 100 and 97% of Global 2000 companies
- 60,000+ users of IDERA free tools and 20,000+ community members and growing

## Learn More

[www.idera.com/er-studio-data-architect-software](http://www.idera.com/er-studio-data-architect-software)

## Key Benefits

- Easily capture the information in a MongoDB database into a data model
- View relationships, including 'is contained in' nested objects, within an organized layout
- Access your data securely through Kerberos and SSL authentication and encryption

## MongoDB-specific Features

- Reverse engineering for MongoDB databases
- Forward engineering to blank-sample JSON
- Kerberos and SSL authentication and encryption support

## SOLUTION BRIEF

### *Improve data quality and consistency*

Reduce duplication and risk associated with multiple data capture and storage environments by establishing a common logical model with multiple platform-specific physical models.

### *Set the foundation for data governance*

With a data modeling strategy in place, enterprise data can be more effectively leveraged as a corporate asset, while supporting compliance to business standards and mandatory regulations – essential factors in an organization's data governance program.

### **About MongoDB**

By offering the best of traditional databases as well as the flexibility, scale and performance today's applications require, we let innovators deploy applications as big as they can possibly dream. From startups to enterprises, for the modern and the mission-critical, MongoDB is the database for giant ideas. For more information, visit [www.mongodb.com](http://www.mongodb.com).

### **About IDERA**

IDERA understands that IT doesn't run on the network – it runs on the data and databases that power your business. Our database lifecycle management solutions allow database and IT professionals to design, monitor and manage data systems with complete confidence.

We offer a diverse portfolio of free tools and educational resources to help you do more with less while giving you the knowledge to deliver even more than you did yesterday.

Whatever your need, IDERA has a solution.

### **Key Vertical Markets**

- Healthcare
- Financial and banking
- Retail
- Technology
- Education

### **Define your data modeling strategy with ER/Studio Data Architect**

- Create and compare models from existing databases
- Define an enterprise data dictionary
- Establish and implement naming standards
- Ensure consistency between data models

### **IDERA is a MongoDB Enterprise Certified Solution Partner**

IDERA has certified ER/Studio Data Architect on MongoDB versions 2.x and 3.0.

### **The MongoDB Enterprise Certification**

Program reviews and certifies technologies against a comprehensive suite of integration best practices.

### **For additional information, contact us:**

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