

# erwin® Data Modeler (DM) NoSQL

## AT A GLANCE

Extending the capabilities of erwin’s award-winning, market-leading data modeling solution, erwin DM NoSQL enables organizations to transform their logical data designs into visual models that reflect native document database structures. It also includes the code to create them, plus it automates the capture and creation of visual models of document database instances that already exist. With erwin DM NoSQL, users can discover, visualize, document, analyze, design and deploy document database instances efficiently and cost-effectively while mitigating the risks inherent to managing this type of mission-critical data asset.

## KEY BENEFITS/RESULTS

- Enable traditional DBMS teams and developers to work effectively with document databases
- Break down the complexities of NoSQL through modeling and visualization
- Document NoSQL data sources for easier discovery and understanding
- Expose NoSQL data sources to the enterprise in a standardized and governed way

## KEY FEATURES

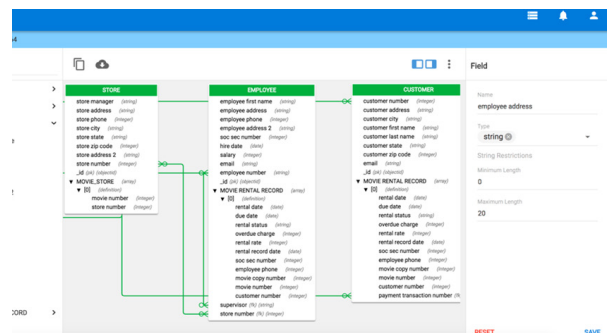
- Import and visualize erwin DM models
- Transform entity relation diagrams to a visual document database representation using our patent-pending Query-Optimized Modeling
- Forward-engineer document database schema generation scripts
- Reverse-engineer hosted document databases
- Define and visualize document database relationships for documentation

## SOLUTION OVERVIEW

erwin DM NoSQL gives technical and business users a complete and contextual view of their document database assets so they can manage them with rigorous agility through the following features:

- **Software-as-a-service** — SaaS-based tool for access anywhere, anytime with any device. No software to implement or install means access and use on day one, and support is included with automatic product updates.
- **Flexible SaaS options** — Hosting ensures high availability and a robust, scalable infrastructure with no expensive overhead or resourcing requirements. Purchase the product as multi-tenant, with shared infrastructure in the United States or United Kingdom, or as single tenant, providing completely dedicated infrastructure and resources.
- **Multi-target NoSQL document database support** — erwin DM NoSQL supports Couchbase and MongoDB.
- **Ease of use and guided task automation** — Web-based tool enables teams to work from anywhere. And the intuitive interface ensures all users are capable and effective in working with document databases out of the gate for faster time to value.
- **Import and visualization of erwin DM models** — Import erwin DM models for discovery, visualization and analysis to drive document database data source definitions and design.

erwin DM NoSQL creates visual data models, enabling organizations to discover, design, document, deploy and manage native document database data structures and mission-critical databases.



- **Transformation of entity relation designs to native document database structures** — Query-Optimized Modeling guided de-normalization options transform traditional data models and logical data designs into rich, visual NoSQL models that can be used to represent and engineer document databases.
- **Forward-engineering of document database schema generation scripts** — Pending physical design creation, automates the creation of JSON-like document definition scripts to instantiate your document database, enabling the efficient, accurate deployment of NoSQL designs into your hosted environment.
- **Reverse-engineering of hosted document databases** — Provides a connection manager to hosted document database instances for the automated creation of native NoSQL models from data source definitions previously deployed in document databases, based on statistical data analysis.
- **Relationship definition for documentation** — Specify relationships between data elements within your NoSQL model for documentation and analysis. These relationships guide developers and users in better understanding data value chains and analysis paths that naturally exist but are not explicitly defined in an unstructured data management environment.
- **Model cloning** — Clone models for updating and editing while maintaining versions of the model for traceability, control and lifecycle management.
- **Support for document database collections** — Create and maintain embedded collections, as well as reference collections, in support of scenario analysis to identify the proper structure.
- **Object properties editor** — Key model object properties can be edited and displayed in the erwin DM NoSQL properties pane that is context-aware and easily accessed through the right-hand menu.
- **Data model dashboard** — Stores all models centrally in the cloud and delivers a model access dashboard that hierarchically displays transformed, reversed and cloned models, complete with source and other pertinent metadata. This makes it easy for teams to identify and access the appropriate model.
- **Diagram comments** — Create and store user comments for collaboration and extended documentation to promote business alignment and clarity of data sources deployed in document databases.
- **Internal and external notifications** — Provides end-user notifications both in-tool and via email, updating modelers about the status and results of key tool operations and processes.

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## CRITICAL DIFFERENTIATORS

- **Support for any data from anywhere (Any<sup>2</sup>)** — On-demand data modeling and visualization for document database data structures.
- **Native design and deployment for NoSQL data structures** — The first and only enterprise-class data modeling solution to provide native (non-relational) modeling support for document databases, automating the creation of platform-specific deployment scripts.
- **Discovery and visualization of NoSQL databases** — Reverse-engineering of existing document databases into graphical models enables users to create documentation relationships to see how the data is logically related.
- **Simple transformation of relational schema to NoSQL constructs** — Guided de-normalization options through Query-Optimized Modeling takes the pain out of migrating traditional database models to the document database platform.
- **On-demand modeling for document database environments** — SaaS-based tool provides complete capabilities wherever and whenever using any device.

## For more information, please visit [www.erwin.com](http://www.erwin.com).

As the data governance company, erwin provides enterprise modeling, data cataloging and data literacy software to help customers discover, understand, govern and socialize their data to mitigate risks and realize results. The erwin EDGE platform facilitates IT and business collaboration in driving actionable insights, agile innovation, risk management and business transformation. We help government agencies, financial institutions, healthcare companies and other enterprises around the world unlock their potential by maximizing the security, quality and value of their data assets.