erwin® Data Modeler (DM) NoSQL

AT A GLANCE

erwin DM NoSQL gives both business and technical stakeholders a complete and contextual view of their document database assets. Users can discover, visualise, document, design and deploy document database instances efficiently and cost-effectively, mitigating the risks inherent to managing mission-critical data. First and only enterprise-class data modeling solution with native support for Couchbase and MongoDB.

KEY BENEFITS/RESULTS

- Enable traditional DBMS teams and developers to work effectively with document databases

- Break down the complexities of NoSQL

- Document NoSQL data sources for easier discovery and understanding

- Expose NoSQL data sources to the enterprise in a standardised and governed way

- Lower data management costs

- Transform entity relation diagrams to a visual document database representation

- Allow logical data designs and transformation

BUSINESS CHALLENGES

With the advent of Big Data, including sensor data, email logs, social media and the Internet of Things, data form, structure and storage have had to fundamentally change. Therefore, traditional structures for easy querying have been lost, creating a virtual black box. However, accountability, transparency, quality, re-usability and trust in data are vital for confident decision-making.

NoSQL requires us to maintain and integrate traditional database platforms with new "unstructured" data sources in a hybrid data architecture. The challenge of adopting NoSQL in an organisation is two-fold: 1) mastering and managing this new technology and 2) integrating it into an expansive and complex infrastructure. But this full integration can be both expensive and risky.

KEY FEATURES

- Define and visualise document database relationships for documentation
- SaaS-based tool with robust and scalable infrastructure
- Multi-target NoSQL document database support for Couchbase and MongoDB
- Easy of use and guided task automation
- Import and visualisation of erwin DM models
- Transformation of entity relation designs to native document database structures through Query-Optimised Modeling™
- Forward-engineering of document database schema generation scripts
- Reverse-engineering of hosted document databases
- Model cloning
- Support for document database collections
- Object properties editor
- Data model dashboard
- Diagram comments
- Internal and external notifications
- Automation of the capture and creation of visual models of document databases
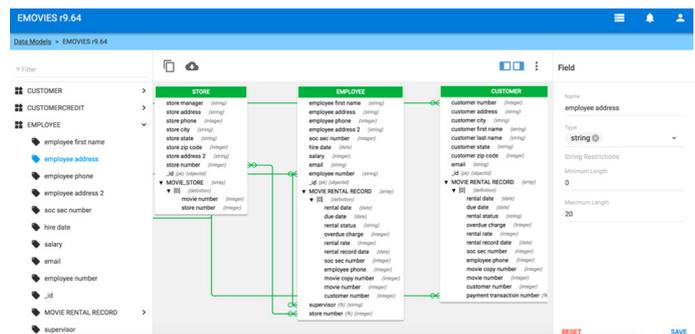
erwin DM NoSQL creates visual data models, enabling organisations to discover, design, document, deploy and manage native document database data structures and mission-critical databases.

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