

erwin® Mapping Manager (MM)

AT A GLANCE

erwin MM is a patented solution that automates data mapping throughout the enterprise data integration lifecycle, providing data visibility, lineage and governance. Data integration engineers can design and reverse-engineer the movement of data implemented as ETL/ELT operations and stored procedures, building mappings between source and target data assets and designing the transformation logic between them. These designs then can be exported to most ETL and data asset technologies for implementation.

KEY BENEFITS/RESULTS

- Demonstrates faster time-to-value and greater accuracy for data movement projects
- Reduces the need for specialized technical knowledge of ETL tools and database procedural code
- Provides a central governance framework for data integrations independent of data movement technologies
- Synchronizes "data in motion" with enterprise data management and governance efforts for both IT and business stakeholders

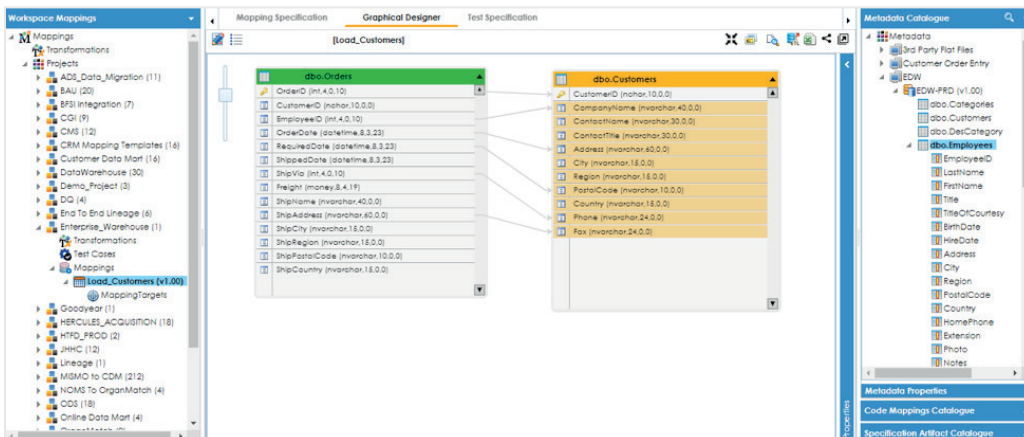
KEY FEATURES

- Accelerated pre-ETL mapping with the drag-and-drop approach, creating mapping specifications and eliminating human errors
- Version mapping specifications for tracking changes instantly, using comparison features
- Easy import of legacy mappings, plus share and reuse mappings and transformations
- Plug-in code generation for data vaults and leading ETL tools
- Integration with Big Data systems and ELT code generation

SOLUTION OVERVIEW

erwin MM provides an automated metadata-driven approach to data mapping management and code generation through these features:

- **Drag-and-drop mapping** — Use source and target system metadata to accelerate the creation of source-to-target metadata-driven mapping, eliminating manual work and costly errors seen with the traditional Excel approach.
- **Impact analysis** — Instantly identify the impact of change to an attribute or table across the warehouse in a matter of seconds, saving valuable time and resources.



erwin MM provides platform-independent automation and lifecycle management to streamline data mapping and movement tasks for effective collaboration and faster time-to-value.

- **Automation and code generation** — Using plug-in SDKs, customize code generation to meet customer-specific requirements, automating manual tasks, accelerating delivery and reducing rework.
 - Automatic generation of data integration components for Informatica, DataStage, Talend, SSIS, Pentaho, ODI, OWB, BODS and others based on job design best practices.
 - Reverse-engineer ETL/ELT components into mapping documents and lineage documentation.
 - Automate data vault hub, link and satellite code generation.
 - Generate SQL code, stored procedures and DDLs from metadata to build warehouses and marts.
- **Upstream and downstream lineage** — Generate end-to-end lineage between repositories and view data flows from source systems to the reporting layers, including all intermediate transformation and business logic so stakeholders have information to make swift decisions.
- **Collaboration and workflow management** — The web-based solution brings together diverse project teams, including business analysts, data architects, ETL developers, testers and project managers, in a highly collaborative environment to facilitate faster decision-making and approvals.
- **Version management and change control** — With built-in versioning, baseline and archive all mapping documentation and view change comparison reports over time.
- **Easy adoption for data migration and data movement** — Easily scan metadata from various operational systems for a seamless fit wherever a case for data migration arises. Integration with an in-house ETL tool generates jobs to facilitate the movement of data to the target systems.

CRITICAL DIFFERENTIATORS

- **Centralized metadata-driven mapping with support for most ETL and data asset technologies** — Efficiently transform and move data in tight alignment with business-driven requirements from a single, unified platform.
- **Enterprise metadata catalog** — Synchronize metadata with core data management and governance capabilities and artifacts in real time.
- **Automated data integration lifecycle management plug-ins** — Automate the scoping, design, testing and deployment of enterprise data movement and transformation projects.
- **Plug-in code automation framework** — Automatically generate of a wide array of data movement and other data integration code and components, reducing development cycles as well as coding and logic errors.
- **Automated documentation of existing data movement components** — Reverse-engineer ELT, ETL, procedural and other code for more intuitive lineage, plus standardization, reuse and migration across the spectrum of data integration platforms.

For more information, please visit www.erwin.com.

erwin provides the most comprehensive data management and governance solutions to automate and accelerate the transformation of data into accurate and actionable insights. The erwin EDGE platform combines data governance, enterprise architecture, business process, data modeling and data mapping. Thanks to the broadest set of connectors for data preparation, modeling and governance, government agencies, financial institutions, healthcare companies and other enterprises around the world can use data to fuel their compliance, innovation and transformation initiatives.