

erwin® Data Catalog (erwin DC)

AT A GLANCE

erwin DC automates enterprise metadata management, data mapping, code generation and data lineage for faster time to value and greater accuracy for data movement and/or deployment projects. Harvest metadata from various data sources and map data elements from source to target, including “data in motion,” and harmonize data integration across platforms. When combined with erwin Data Literacy (DL), you can see an accurate picture of your business data assets for the data intelligence to govern and accelerate digital transformation projects, including Big Data deployments, Data Vaults, data warehouse modernization, cloud migration, etc., without heavy reliance on technical resources.

KEY BENEFITS/RESULTS

- Demonstrate faster time to value and greater accuracy for data movement and/or deployment projects through governance, automated metadata enrichment, data quality metrics, re-use and guided workflows.
- Reduce the need for costly manual intervention by automating everything from the profiling of data, the generation of Big Data, ETL and database procedural code to detailed data lineage and impact analysis views.
- Provide a central governance framework for data, classification, quality and integration independent of siloed data management technologies.
- Support IT audits and regulatory compliance by governing enterprise data assets as well as data management processes and infrastructure for both IT and business stakeholders.

KEY FEATURES

- Accelerated pre-ETL mapping with the drag-and-drop approach, creating reusable mapping specifications and eliminating human errors, plus easy import of legacy mappings with lifecycle management services
- Automated metadata harvesting, cataloging and versioning using our wide range of data source and data movement connectors
- On-demand data lineage and impact analysis from data creation to consumption
- Automated harvesting and cataloging of data models, model mappings and naming standards maps
- Built-in reference data management including code sets and “cross walks”
- Plug-in code generation for Data Vault and leading ETL/ELT tools, Big Data systems and scripts
- Built-in data profiling and integrated data quality metrics
- Integration with erwin DL for business glossary management and data discovery self-service

SOLUTION OVERVIEW

erwin DC provides an automated metadata-driven approach to enterprise data management and data preparation through these features:

- **Easy data mapping** — Use drag-and-drop and auto-mapping features to accelerate the creation of metadata-driven mapping documents, 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.
- **Automated metadata harvesting, cataloging and curation** — Configure and schedule regular scans to harvest detailed technical metadata from a variety of metadata sources:
 - erwin Standard Data Connectors auto-document a wide range of DBMS (relational, NoSQL, Big Data) and flat file (XML, CSV) metadata (included with erwin DC).
 - erwin Smart Data Connectors auto-document a wide range of ETL/ELT, procedural and scripting code, business intelligence/reporting environments, as well as cloud environments and packaged applications.

- **Automated data model harvesting from erwin DM WorkGroup Edition** — Schedule the bulk harvesting and cataloging of erwin data models, model mappings and naming standards maps to align data modeling and intelligence efforts.
- **Upstream and downstream lineage** — Generate on-demand lineage down to the column level and visualize data flows from source systems all the way to the reporting layers, including all transformations, so stakeholders can make swift decisions. Fully configurable and navigable lineage diagrams provide high-level business views as well as detailed technical depictions.
- **Reference data management** — Centrally map and manage reference data code sets to ensure accuracy and quality across enterprise datastores and applications. Versioning and change management capabilities ensure that code sets are applied consistently and their content and usage is easily auditable and transparent to stakeholders.
- **Requirements, testing and deployment management and integration** — Take control of the software delivery lifecycle, while providing visibility to stakeholders with built-in lifecycle management capabilities and integrations.
- **Version management and change control** — With built-in versioning, baseline and archive all mapping documentation and view change comparison reports over time to enable efficient IT and regulatory audits for movement and change-control procedures.
- **Support for re-platforming and data migration** — Easily scan metadata from various operational systems to migrate the schema for data movement processes. Integration with an in-house ETL tool generates jobs to move data to the target systems.
- **SAML 2.0 integration** — Accelerate the deployment and adoption of erwin DC by aligning it with your organization's security and access-control infrastructure.
- **Integrated data profiling** — Profile data sources and integrate data quality details and metrics alongside metadata details for easy visibility and understanding.
- **Sensitive data classification and dashboarding** — Curate metadata to classify sensitive data elements, complete with a navigable sensitive-data dashboard, with bulk classification using lineage analysis.
- **Integration with erwin DL** — Benefit from a data intelligence software suite for the management and integration of a business glossary (terminology/policy) with detailed physical metadata through a role-based portal that enables stakeholders to discover and understand enterprise data within context.

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** — Automate the harvesting, cataloging and curation of any metadata from anywhere, including reference data, data movement processes, data lineage and impact analysis.
- **Lifecycle management** — Manage and socialize the gathering of functional requirements, mapping design, testing and release management of enterprise data movement and transformation projects.
- **Built-in reference data management and data profiling and data quality** — Ensure the context of your data is understood, under control and visible to all stakeholders.
- **Integration with enterprise modeling software** — Combine with erwin's data modeling, enterprise architecture and business process modeling and analysis software for a comprehensive data-driven approach to risk management, agile innovation and business transformation.

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

As the data governance company, erwin provides enterprise modeling and data intelligence 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.