

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 deployment projects. Harvest metadata from various data sources and map data elements from source to target, including data in motion, plus harmonize data integration across platforms. When combined with erwin Data Literacy (erwin DL), see an accurate picture of your business data assets for the data intelligence to govern and accelerate digital transformation projects, such as Big Data deployments, Data Vaults, data warehouse modernization, and cloud migration – all without heavy reliance on technical resources.

KEY BENEFITS/RESULTS

- Gain faster time to value and greater accuracy for data movement and deployment projects through governance, automated metadata enrichment, data profiling, re-use and guided workflows.
- Reduce the need for costly manual intervention by automating everything from 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, 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 a 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, data cataloging, versioning and change management using our wide range of data source and data movement connectors
- On-demand interactive 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 & curation** — Schedule 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. These connectors are 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 & 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. Fully configurable and navigable lineage diagrams provide high-level business views as well as detailed technical depictions. Filter and zoom capabilities make it easy to identify sensitive data and other key impacts.
- **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, deployment management & integration** — Take control of the software delivery lifecycle, while providing visibility to stakeholders with built-in lifecycle management capabilities and integrations.
- **Version management & change control** — With built-in versioning, baseline and archive all mapping documentation and view change comparison reports to enable efficient IT and regulatory audits and change control.
- **Support for re-platforming & 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 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 & dashboarding** — Curate metadata to classify, or leverage lineage analysis to bulk classify, sensitive data elements and manage them through a sensitive-data dashboard.
- **Integration with erwin DL** — Benefit from a data intelligence software suite for the management and integration of a business glossary (business terms, policies and rules) with detailed physical metadata through a role-based portal that enables stakeholders to discover, understand and socialize enterprise data within context.

CRITICAL DIFFERENTIATORS

- **Centralized metadata-driven mapping with support for most ETL & 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 & data profiling** — 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.

erwin provides enterprise modeling and data intelligence software enabling customers to discover, understand, govern and socialize their data to mitigate risks and realize results. The erwin EDGE platform creates an "enterprise data governance experience" for IT and business collaboration in driving meaningful insights, agile innovation, risk management and business transformation. Integrated data modeling, data governance, enterprise architecture and business process modeling capabilities ensure information flows to the right people to guide smart decisions.