erwin® Data Intelligence (erwin DI)

erwin®
the data governance company

AT A GLANCE

erwin DI is the heart of the erwin EDGE platform that creates an "enterprise data governance experience" for IT and business collaboration. It combines data cataloging, data literacy and automation capabilities that make data assets easier to find, understand and use for smarter decision-making. erwin DI harmonizes all the pieces of data management and data governance to fuel an automated, real-time, high-quality data pipeline so data assets are stored in a central data catalog and then made accessible and understandable within a business user portal via role-based views. This data intelligence helps IT and business stakeholders produce the desired results to improve organizational performance.

KEY BENEFITS/RESULTS

- Schedule ongoing scans of metadata from the widest array of data sources.
- Keep metadata current with full versioning and change management.
- Easily map data elements from source to target, including data in motion, and harmonize data integration across platforms.
- Easily create and configure a business-centric data asset framework for alignment and robust governance.
- Give business context to your physical metadata through our business glossary and associated workflows, including preloaded industry terms (e.g., FIBO) and integration with erwin Data Modeler naming standards.
- Leverage AI and other automation features to accelerate the creation, configuration and maintenance of your governance framework and asset associations
- Help mitigate a wide range of risks to provide regulatory peace of mind.
- Break down silos between disconnected systems, spreadsheets, reporting and intelligence to enhance stakeholder understanding and trust in data to drive actionable insights.
- Enable data consumers to define and discover data relevant to their roles.
- Facilitate the understanding and use of data within a business context.
- Ensure the organization is fluent in the language of data.

KEY FEATURES

- Automated metadata harvesting and cataloging
- Version mapping specifications for tracking changes instantly, as well as integrated requirements, testing and deployment management for the development lifecycle
- Accelerated pre-ETL mapping and easy import of legacy mappings, plus share and reuse mappings and transformations
- Built-in data profiling, integrated quality metrics and 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
- Self-service visualization and navigation of key data governance constructs, including on-demand, configurable "mind mapping" that shows metadata and governance relationships as well as streamlined workflows including notifications and dashboards
- Real-time data impact analysis to manage the risk and scope of changes to the data landscape
- Role-based, on-demand data lineage analysis and visualizations with easy navigation and enhanced readability
- Flexible metamodel to create different business asset types, customize descriptive attributes, and support the full range of semantic associations between all business and technical asset types
- AI-based auto-matching of business and technical assets to accelerate the creation and maintenance of governance frameworks
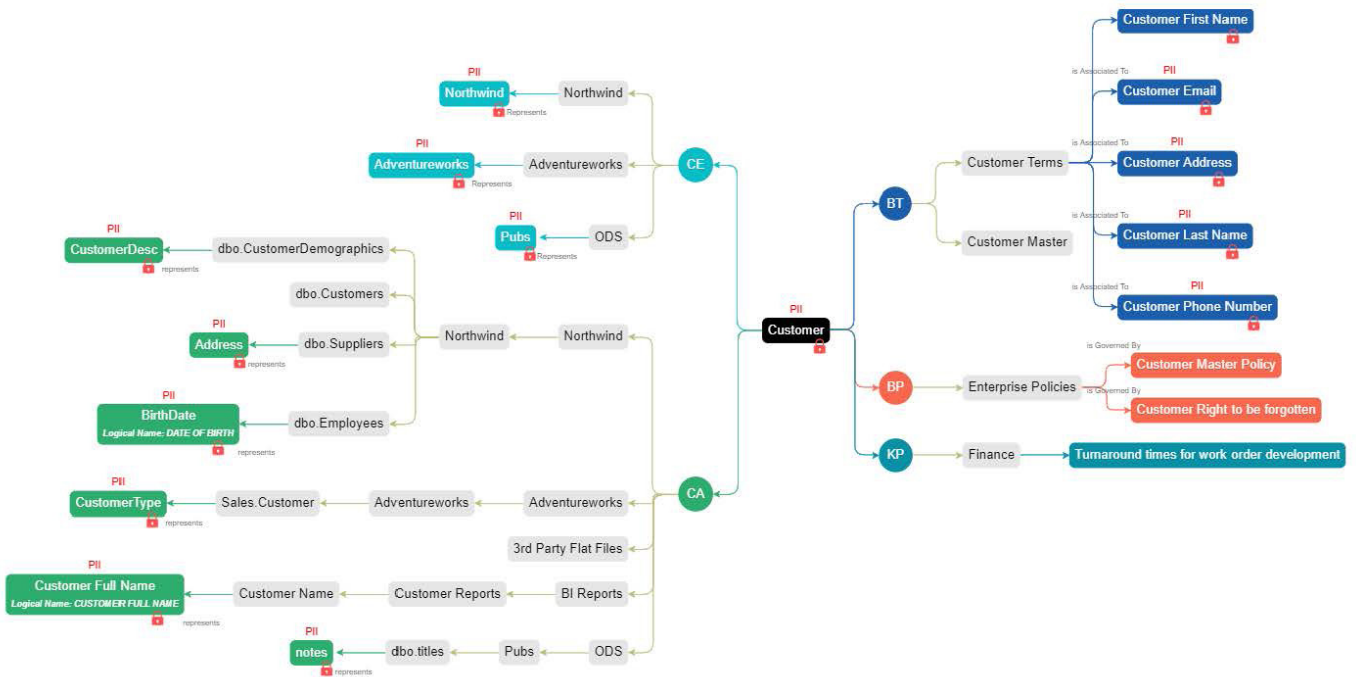- Automated bulk harvesting of erwin data models to enhance metadata and accelerate glossary authoring

SOLUTION OVERVIEW

erwin DI provides an automated metadata-driven approach to enterprise data preparation/management and literacy through the following key features:

- **Automated metadata harvesting, cataloging & curation —** Configure and schedule regular scans to harvest detailed technical metadata from a variety of metadata sources: 1) erwin Standard Data Connectors auto-document a wide range of DBMS (relational, NoSQL, Big Data) and flat file (XML, CSV) metadata. 2) 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.

- **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.

- **Configurable user interface —** Business users can easily define their views. Out-of-the-box summary pages also are included.

- **SAML 2.0 integration —** Accelerate the deployment and adoption of erwin data cataloging by aligning it with your organization's security and access-control infrastructure.

- **Data stewardship and data ownership —** Enable data stewards to manage the definition and approval process for terms, the management and association of data policy and business rules and the assignment of data owners and subject-matter experts to improve accountability and compliance efforts.

- **Automated data model harvesting from erwin DM WorkGroup Edition —** Schedule the bulk harvesting and cataloging of erwin data models, model mappings and naming standards to align data modeling and intelligence efforts.

- **Sensitive data discovery —** Identify and document sensitive data elements and manage them through a dedicated dashboard to accelerate compliance efforts and reduce data-related risks.

- **On-demand mind mapping —** Provide a one-click view of data elements and their relationships to physical, logical and governance metadata.

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. Drag-and-drop and auto-mapping features accelerate the creation of mapping documents, eliminating manual work and costly errors seen with the traditional Excel approach.

- **Enterprise metadata catalog —** Automate the harvesting, cataloging and visualization 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 and data quality —** Ensure the context of your data is understood, under control and visible to all stakeholders.

- **Business glossary —** Build glossaries of terms in taxonomies with synonyms, acronyms and relationships to describe the organization's data assets. Publish approved standards for these terms to the wider organization to improve clarity/precision of language. Also prioritize terms, flagging information regarding regulatory requirements.

- **Flexible metamodel —** Support a robust, customizable data governance framework. Create different types of business assets and custom attributes and utilize our AI Match capability to discover and create associations between all business and technical asset types.

- **Role-based, self-service —** Create and change roles to suit the data needs and processes of users. Self-service access with flexible search mechanisms makes it easy to find data assets and understand them in a business context for faster analysis and decision-making.

- **Configurable user interface —** Business users can change their views easily for optimal searching and browsing. An interactive mind map shows semantic relationships between different assets and is fully navigable with drill-down and filtering.

- **On demand mind mapping –** Use our mind maps to efficiently and effectively discover and navigate your governance and metadata framework.

- **Intelligent upstream and downstream data lineage and impact analysis —** Understand, harvest and document the origin of data in BI reports and the data warehouse with lineage reports. See real-time impact diagrams linking core data elements to the business glossary.

- **Sensitive data classification and dashboarding —** Curate metadata to classify sensitive data elements, complete with a navigable sensitive-data dashboard, and bulk classification using lineage analysis.

- **Integration with enterprise modeling software —** Combine erwin DI 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.

The interactive mind map provides powerful and intuitive business analysis, showing semantic relationships between different assets with drill-down and navigation to the underlying details.

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.