

erwin® Data Intelligence by Quest® Components

AT A GLANCE

erwin® Data Intelligence by Quest® combines data cataloging, data literacy and automation capabilities in a comprehensive software solution so organizations can harmonize their data management and governance efforts to reduce risks, create efficiencies and maximize the return on their data assets. It takes an active, metadata-driven approach to connect all the pieces of the data management and data governance lifecycle in an automated flow, with full lineage down to the column level, as well as impact analysis. Data stakeholders then have access to relevant, accurate, timely and understandable data for collaborative decision-making.

ERWIN DATA CATALOG BY QUEST

erwin Data Catalog by Quest automates enterprise metadata management, data mapping, code generation and data lineage for data movement and/or integration and modernization of the architecture. The solution harvests metadata from a broad variety of data sources and maps data elements from source to target, including data-in-motion, while harmonizing data integration across platforms.

Data profiling reduces data discovery and assessment cycles, while reference data and lifecycle management provide added transparency and control. A configurable data catalog dashboard provides high-level visibility of key data catalog metrics backed by the drill-down detail to ensure understanding and take action. erwin Data Catalog includes:

erwin Mapping Manager provides an integrated development environment for creating and maintaining source-to-target mapping and transformation specifications to centrally version control data movement, integration and transformation. Included metadata management ensures a sustainable metadata foundation for data preparation, management, governance and consumption, while data profiling aids in discovery and assessment activities.

- Repository-based mapping projects, metadata storage and management

- Integrated mapping environment, including intelligent auto-mapping, drag-and-drop mapping, mapping documentation and reusable transformations libraries
- Automated data lineage and impact analysis with graphical visualizations across physical data assets and data movement processes, including business and technical views, sensitive data identification, and the ability to drill down through levels of detail from any view
- Sensitive data classification complete with the ability to bulk classify data elements based on lineage and a fully navigable, configurable sensitive data dashboard
- Automated scanning and harvesting of technical metadata from JDBC-compliant data-at-rest sources on-demand or via advanced scheduling and auto execution using included erwin Standard Data Connectors by Quest
- Comprehensive metadata versioning and change management
- Real-time profiling of registered data assets within the data catalog: surface table/column statistics, including total rows, unique/distinct/null/minimum/maximum values and number of distinct patterns
- Association of user-defined data quality and metrics and scoring with harvested metadata
- Viewing of sample data while browsing registered data assets with the ability to customize a preview and view output on-demand
- Connection to erwin Data Modeler by Quest for automated and schedulable bulk harvesting of data models, mappings and naming standards from the erwin Data Modeler Workgroup Edition repository
- Reverse-engineering of ETL/procedural/scripting code into mapping specifications using the optional erwin Smart Data Connectors for auto documentation
- Automated code generation from mapping specifications, using erwin Smart Data Connectors, for outbound ETL, ELT and scripting of all types

erwin Reference Data Manager

manages reference data of all types to provide visibility, control and consistency, reduce costs and ensure accurate and consistent use across enterprise systems.

- Central capturing and management of reference data, valid values and code sets plus their relationships to physical data assets in a single integrated platform
- Automated validation with rules and reference tables
- Version management and complex crosswalks across related reference data assets for standardization and integration

erwin Lifecycle Manager

enables visibility and control for migration, modernization and integration projects across the system development lifecycle to reduce development time and costs, while improving visibility and accuracy.

- Association and management of business requirements within mapping projects
- Test management to document test cases and facilitate automated test script generation within mapping projects
- Release management for planning, tracking and publishing integration release cycle
- Built-in integration with HP-ALM testing suite
- Integration with enterprise requirements management packages (e.g., IBM DOORS) using erwin Smart Data Connectors

erwin Smart Data Connectors are optional automation and developer productivity tools for use with erwin Data Catalog that harvest metadata from complex data-at-rest sources and data-in-motion directly from a broad variety of code types and industry standard tools and languages (BI, ETL, ELT). Create accurate visibility, improve processes and integrate data consumption platforms with reusable code, saving considerable time and money.

- Reverse-engineering of metadata and specifications for major BI and reporting solutions
- Reverse-engineering and forward-engineering of ETL/ELT, procedural and scripting code into and from a centrally managed, standardized mapping repository

ERWIN DATA LITERACY BY QUEST

erwin Data Literacy by Quest enables data stewards to curate and govern data assets so data consumers can discover data relevant to their roles and understand it within a business context. By creating data communities and promoting data fluency, it ensures stakeholders have an integrated and contextual view of the semantic, business and technical aspects of the entire data landscape.

A configurable data literacy dashboard gives data stewards and owners front-and-center visibility of key business asset statistics and data stewardship activity backed by the drill-down detail to move data governance forward. erwin Data Literacy includes:

erwin Business Glossary Manager

gives data assets business context (terminology, policies, rules) to ensure business visibility, understanding and alignment, lowering governance costs, reducing data discovery and analysis cycles, while dramatically accelerating the time to meaningful insights.

- Powerful and intuitive access and analysis through interactive mind maps that show semantic relationships between all business and technical assets
- Authoring and integration of business terminology in one or more glossaries, with business terms related to physical data assets, policies and 'like terms'
- Centralized access to all business asset details, workflows, parties involved, asset history, related files and any sensitive data classification, as well as the ability to send assets forward or backward within a data governance workstream as needed
- Fully integrated, user-defined business asset types and descriptive attributes to align with any governance framework
- Preconfigured and user-defined multi-relationships and associations between any business and technical asset types
- erwin AIMatch that automatically discovers and suggests associations between technical and business assets, and speeds the discovery, tagging and management of sensitive data (PII, GDPR, CCPA and more)
- Asset tagging capabilities to make future discovery easier and organize for analysis and automation
- Policy management to author, maintain and publish information policies, combined with roles and responsibilities
- Rules Manager to define rules for the creation, use and management of terms in business language
- Out-of-the-box, customizable workflows to manage the authoring, review and approval of business terms, policies and rules

erwin Business User Portal

is a web-based, self-service portal to facilitate easy access, socialization and collaboration around data asset discovery, consumption and governance. It captures broader organizational data knowledge through

community data asset ratings, bridges communication between business users and data owners/stewards, and provides business-friendly, immediate access to

- Technical and business metadata
- Glossary terms
- Reference data management
- Linkage between business terms and technical metadata
- Data lineage to understand the flow of information across various systems
- Impact analysis at the attribute level for full and comprehensive visibility and remediation
- Mind maps to see and navigate asset associations
- To-do lists to initiate asset-related questions and requests of data owners and stewards

ABOUT QUEST

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From maximizing the value of their data, to Active Directory and Office 365 management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.