erwin®

erwin® Data Governance (DG)

At a Glance

erwin DG is a SaaS solution that expands data governance beyond IT, so all organizational stakeholders can discover, understand, govern and socialize data assets to mitigate risk, improve organizational performance, and accelerate growth. It's the only software that integrates traditional data governance capabilities (business glossary, data dictionary and catalog, linage mapping, policy authoring) with data modeling, enterprise architecture and business process modeling to produce more strategic value, including data impact analysis to manage change with lower risks and costs.

KEY BENEFITS/RESULTS

- Provides visibility and governance for any data, anywhere (Any^2)
- Enables enterprise data governance collaboration and organizational empowerment
- Identifies data integrations, implications and impacts across the enterprise to better manage change
- Creates an integrated ecosystem of people, processes and technologies that manage and protect data
- Breaks down business and IT silos for visibility across all domains, including data modeling, enterprise architecture and business process modeling
- Helps mitigate a wide range of risks to provide regulatory peace of mind

KEY FEATURES

- Role-based, self-service visualization and navigation of key data governance constructs
- Real-time Data Impact Analysis to manage the risk and scope of changes to the data landscape
- Data lineage analysis for business terms, data elements and physical data sources
- Integrated data modeling, enterprise architecture and business process modeling for data governance in context
- Universal data-source harvesting and lifecycle management
- Automated integration with the larger DG ecosystem of people, processes and technologies
- Streamlined workflows, including notifications and task assignments
- SAAS-based platform for rapid deployment and lower TCO

Business Challenges: Data is proliferating, with 1.7 megabytes of new information expected to be created every second for every person on the planet by 2020. Most organizations view this data tidal wave through a regulatory and compliance lens, seeking to address emerging regulations such as the General Data Protection Regulation (GDPR) that could cost up to 4% of annual turnover in fines for poor data handling.

But the real top- and bottom-line impacts of data management come from using it as strategic asset and transformational tool to create greater business value. Yet just 23% of companies have implemented an organization-wide data strategy for a comprehensive view of market conditions and customer needs/preferences to align products and services with these data-driven insights, according to recent ET research. The most effective way to mitigate risk, improve operational performance, and accelerate growth is through the creation of an enterprise data governance experience so all organizational stakeholders, not just IT, are invested in and accountable for data use.
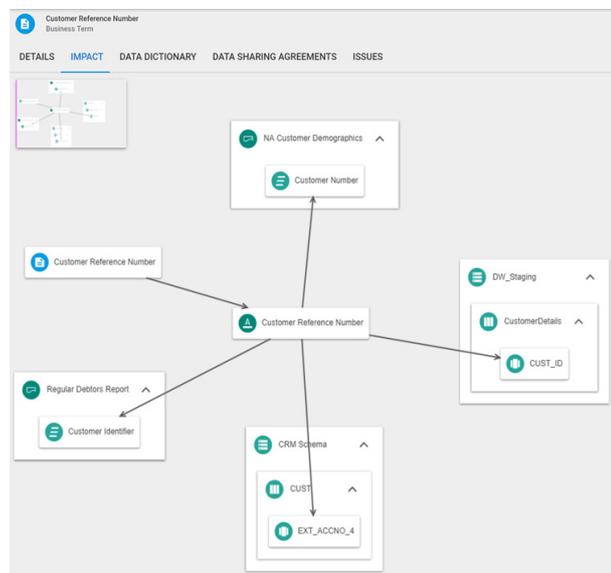
Solution Overview: erwin DG is a SaaS solution that enables both IT and business users to discover, understand, govern and socialize data assets through the following key features:

Intuitive web interface for access from anywhere – A web-based user interface provides broad access to approved organizational information. It enables distributed organizations to easily collaborate for improved information quality, compliance and change management with lower risk and greater agility.

Highly configurable user experience – Every enterprise is different, so user roles can be created and changed to suit the governance needs and processes of any organization.

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.

Data stewardship and data ownership – Assign data stewards to manage the definition and approval process for terms, and assign data owners and subject-matter experts to approve definition of standards for terms.

Data Impact Analysis lets stakeholders identify all places where specific data resides to determine how changes will impact people, processes and systems before they are implemented.

Policy management – Define and publish information policies, combined with roles and responsibilities, using process diagrams.

Rule management – Reduce risk and understand the impact of change by defining rules for the creation, use and management of terms, in business language, to ensure regulatory compliance.

Data dictionary – Catalog physical information through support for data in all forms, from BI reports to relational database structures. Map these to the central catalog of data elements to answer the vital question of "where is our data?"

Reference data management – Standardize how information is articulated by managing code sets and the rules for their use. Then exchange these code sets with applications running on your operational systems with erwin Collector.

Data usage catalog – Understand who and what is using your data and if usage rules are being followed by building lists of people, processes and business systems in erwin DG, or synchronizing with erwin EA and erwin BP.

erwin DG provides "role-aware" access and workflows that organizes tasks, streamlines collaboration, and accelerates time-to-value for a holistic approach to data governance.

Powerful API – A powerful REST-based API allows other applications to exchange model information with erwin DG.

Data Impact Analysis – See real-time impact diagrams that link core data elements to the business glossary, the databases that store them, the processes that leverage and transform them, the applications that access and manipulate them and beyond. Then analyze, understand and plan for changes to the data landscape.
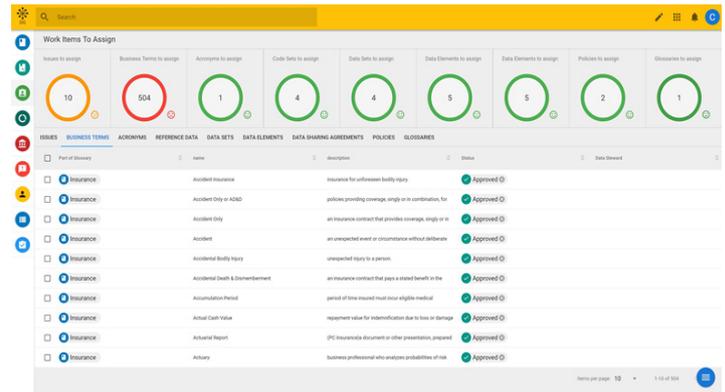
Data lineage – Understand the origin of data in BI reports and the data warehouse to answer regulatory and quality questions by building lineage maps; view them column by column or field by field.

Self-service data discovery – Communicate requirements for BI reports with greater ease and accuracy. Business users can request data through a self-service portal, using business glossaries to formulate a data set with usage and approval information.

Issue management – General erwin DG users can raise issues against objects in the model with change requests, queries or errors. A simple workflow allows the data governance team to manage these issues with tickets pulled and pushed to service-desk products like ServiceNow.

SaaS licensing and delivery – Two license types are available, one for the product reviewer and one for the product contributor, for easy allocation and management.

Critical Differentiators:

Support for any data, anywhere (Any²) – Relational, unstructured, on-premise and cloud-based data assets are coupled with well-documented business rules to ensure standards are followed.

Configurable role-based interfaces – The user experience is tailored to individual roles, both IT and business, providing the needed context to define and streamline their workflows for the most empowered and effective data governance within each role.

Integrated data governance ecosystem – Integrations with erwin's data modeling, enterprise architecture and business process modeling applications break down organizational and technical silos to unify systems that manage and protect data for consistent exchange, understanding and processing.

Data impact analysis – Go beyond traditional data lineage with the real-time ability to identify all the places where specific data resides. This game-changing capability provides powerful insights into how data changes will impact people, processes and systems before they are implemented, reducing the associated risks and costs.

Schedulable, configurable connector toolset – Set up reusable endpoints via file polling, web service, ODBC, etc., with erwin Collector. Then define mappings to and from the DG model and schedule synchronization runs.

Related Products/Solutions:

erwin Data Modeler: The industry-leading data modeling solution with visual design and documentation capabilities for any data from anywhere across an organization

erwin DM NoSQL: The only enterprise-class data modeling solution for MongoDB, providing rapid app deployment, cloud infrastructure migration and reverse-engineering

erwin Enterprise Architecture: A complete set of on-premise enterprise architecture tools that is highly customizable for integration into the customer environment

erwin EA Agile: A full-featured, cloud-based set of enterprise architecture tools using industry frameworks

erwin CloudCore: Combines erwin Data Modeler and erwin EA Agile in a single, bundled, SaaS solution

erwin Business Process: Business process modeling software for visualizing system interactions, business processes and organizational hierarchies

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