

Collibra Data Intelligence Platform for Insurance

Overcoming data challenges

Insurers operate in a highly complex data landscape with petabytes of data residing across hundreds of disparate data sources in an on-premises, hybrid and multi-cloud environment.

In this type of data ecosystem, it is very difficult for data citizens — including chief data officers, data scientists, data governance leads and data consumers — to easily find or understand the data they need. Users are unable to ascertain if the data comes from a trustworthy source and whether it is certified for use. They are unable to obtain detailed information about the data such as its attributes, where did it originate from, who owns the data and whether it is of high or poor quality.

Given that risk management and adherence to regulations are an integral part of any insurer's business, a lack of data governance, transparency and traceability of data coupled with data integrity issues can elevate both operational and regulatory non-compliance risks.

Collibra Data Intelligence Platform is an intelligent data platform that leverages the power of machine learning and provides a holistic and integrated approach to cataloging, governing, protecting, managing and collaborating with data at scale across on-premises, hybrid and multi-cloud environments.

Speed innovation with trusted data

With Collibra Data Intelligence Platform, insurers can build a common foundation for data. AI-powered capabilities and advanced automation in modern data management allow insurers to overcome data silos, speed data discovery, improve data literacy (understanding of data) and enable data integrity at scale. Moreover, by using trustworthy data, they can mitigate risks, reduce costs and optimize policyholder experiences.

Leading insurance companies globally rely on Collibra Data Intelligence Platform to enable mission-critical applications and support their strategic business imperatives such as:



Regulatory compliance



AI governance



Underwriting and claims processing



Financial reporting



Self-service analytics



Cloud data migration and modernization

Enable strategic use cases



Accelerate data democratization and self-service analytics

- Empower data citizens to rapidly discover, understand and collaborate with fully governed data that's primed for self-service analytics and AI use.
- Enable a federated data marketplace built on a modern data mesh architecture for faster time-to-insights.
- Leverage popular business intelligence (BI) tools such as Tableau in conjunction with Collibra Data Catalog and enable data citizens to obtain a more complete view of data with granular details.
- Make better and more informed decisions faster leveraging high-quality data across core insurance processes — from claims, underwriting, policy administration, annuities, billing, and more.



Figure 1: Easily collaborate with data leveraging crowdsourcing capabilities



Enable explainable AI and build models you can trust

- Create a trusted repository of metadata (data about data) that includes AI model techniques, data inputs, data features, expected outputs and more.
- Empower data scientists to easily discover trustworthy data with rich business and technical context so they can build robust data pipelines and train models.
- Trace lineage of datasets and models with detailed information to better understand data transformations throughout the data lifecycle.
- Leverage machine learning (ML)-enabled data quality and observability to help detect data drift, outliers and patterns to ensure accuracy and performance of AI and analytics models over time.

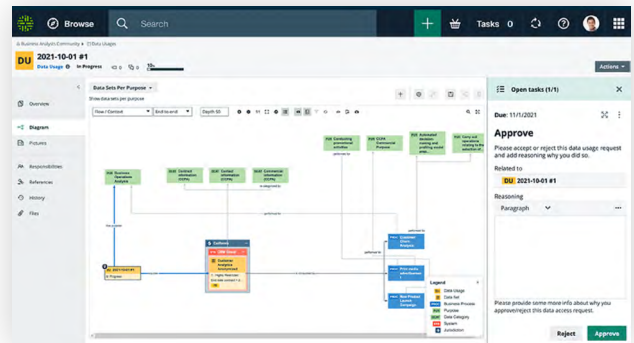


Figure 2: Visualize and understand data dependencies from source to target with end-to-end data lineage



Improve regulatory compliance, financial reporting and transparency

- Speed the automation of complex regulatory rules and standards and enable adherence to **Solvency II, IFRS-17, GDPR, and more.**
- Enact rigorous data management, governance, data quality and privacy guidelines as required by regulators.
- Obtain end-to-end data lineage and trace datasets from source to target to better understand financial disclosures and how risk models were computed with detailed information at a granular level.
- Meet stringent requirements for back-testing and risk analysis while providing comprehensive audit trails for reporting purposes.



Future-proof cloud data migration and modernization

- Quickly determine what impact migrating a particular dataset may have on upstream and downstream systems, as well as prioritize migration of datasets in the right sequence.
- Maximize the impact of your data migration by setting up controls to ensure that only clean data that meets your data quality standards is migrated to the cloud.
- Simplify data onboarding to maximize productivity by cataloging and managing the data in your data lake and data warehouse from a single centralized location.
- Obtain end-to-end visibility into the data in your data lake and modern data warehouses — such as Amazon Redshift, Snowflake, Google BigQuery, and more.



The Collibra Data Intelligence Platform Advantage



Insurers globally rely on Collibra Data Intelligence Platform to gain in-depth visibility into their data ecosystem across on-premises, hybrid and multi-cloud environments, without moving data, so that data assets stay protected.

Govern. Trust. Access.

Data Catalog

- Catalog
- ML curation
- Ratings / reviews
- Data marketplace

Data Lineage

- Business lineage
- Technical lineage
- Impact analysis

Data Governance

- Business glossary
- Stewardship
- Data dictionary
- Reference data
- Data helpdesk

Data Quality

- Continuous monitoring
- Adaptive rules

Data Privacy

- GDPR
- CCPA

Active metadata graph

Core services



Flexible operating model



Native connectors



Reports and dashboards



Collibra everywhere



Workflow engine



Collaboration



APIs



Collibra Insights



Collibra has played an important role in our journey to build data transparency within our organization. It helps our users connect the dots and support our desired self-service model, eliminating the need for a middleman and allowing them to focus on their real work.



Core capabilities



Rapid data discovery and self-service data access

- The intelligent data catalog is purpose-built to empower data citizens, so they can easily find and understand the data they need with rich business and technical context. With built-in crowdsourcing capabilities, users can easily collaborate on data. They can rate, comment on, and prioritize data sets for use as well as provide feedback.
- A powerful contextual search engine and easy-to-use, intuitive data shopping experience enables data citizens across the organization to easily locate and shop for fully-governed and trustworthy data they need.



Comprehensive and adaptive data governance

- Collibra data governance is a one-stop-shop for data, regulatory compliance, AI and analytics governance. Built-in data governance enables users to develop a consistent data taxonomy that includes regulatory specific rules, physical and/or logical data dictionary, glossary of terms, out-of-the box data domains, and more.
- Pre-built templates, reference data management, stewardship management and intuitive workflows enable automation of governance processes and provide a framework for cross-functional teams to establish a common understanding of data to ensure consistency.



Predictive data quality and data integrity at scale

- Machine learning (ML)-powered data quality and observability enables proactive detection of anomalies in data such as missing records, values as well as broken relationships across tables or systems resulting in rapid resolution.
- If data quality drops below a set threshold, Collibra automatically creates a data quality issue and notifies the right people to handle the issue according to the desired priority level.



End-to-end data lineage and visibility

- Automated data lineage enables data citizens to dynamically visualize the flow of data from source to target as well as understand all the data dependencies at a granular level.
- For instance, data citizens can better understand how risk models are computed and trace lineage of each data set with rigorous audit trails for reporting purposes. An active metadata graph — that connects business, technical and privacy metadata with data quality and lineage — provides rich content and context to users.



Embedded privacy by design and data protection

- With Collibra, insurance companies can enforce comprehensive data privacy and protection policies in adherence with regulatory stipulations and corporate best practices for data retention and usage.
- ML-powered automation enables rapid classification of data by category, sensitivity and user type at scale. Advanced capabilities in data privacy and protection will help ensure sensitive data is easily identified and protected with role-based access control.

Collibra is the Data Intelligence company

For more information, visit us at collibra.com

We accelerate trusted business outcomes by connecting the right data, insights and algorithms to all Data Citizens. Our cloud-based platform connects IT and the business to build a data-driven culture for the digital enterprise. Global organizations choose Collibra to unlock the value of their data and turn it into a strategic, competitive asset. We have a diverse global footprint, with offices in the US, Belgium, Australia, France, UK, Czech Republic and Poland.