

Collibra Data Intelligence Platform for Higher Education

Overcoming data challenges

Educational institutions operate in a highly complex data landscape with large volumes of data residing in hundreds of disparate data sources. These sources are spread across on-premises, hybrid and multi-cloud environments.

Data citizens - including chief information officers, data scientists, researchers, data stewards and university employees at large - are unable to find or understand the data they need. It is difficult for users to ascertain if the data comes from a trustworthy source, whether it is certified or approved for use. In other words, data citizens are unable to fully appreciate the corpus of data and its relevance for use in their applications.

For any educational Institution, the inability to find the right data coupled with data integrity issues, a lack of data governance, transparency and traceability of data can adversely impact their ability to serve students and faculty in a timely and secure manner.

To speed digital transformation and data modernization initiatives, educational institutions are looking for ways to leverage their data to drive improvements and efficiencies. The goals of the initiatives are to make data available, accessible, reusable and shareable. This requires the implementation of a rigorous data governance and management strategy that accounts for all data assets created, collected, controlled and maintained by each institution. This not only includes student data, but also data related to facilities, land management, policing, alumni relations, etc. Furthermore, educational institutions are increasingly required to make trustworthy information available for public consumption. This enables greater accountability and transparency across programs and spending to better serve their students and faculty.

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.

Drive innovation with trusted data

With Collibra Data Intelligence Platform, educational institutions can build a common foundation of data. They can speed data discovery, improve data literacy (understanding of data) and drive greater collaboration with trustworthy data both within and across institutions.

Collibra Data Intelligence Platform allows institutions to securely and quickly govern data, protect sensitive information, and enable data integrity at scale. Security and data protection are key to serving educational institutions and meeting rigorous standards.

Educational institutions rely on Collibra Data Intelligence Platform to accelerate data-driven decisions, track performance, enable strategic programs and ensure operational compliance including:



Family Educational Rights and Privacy Act



Financial and regulatory reporting



Student reporting



Digital transformation



Digital democratization and self-service analytics



Digital transformation and data 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 to support critical missions and ultimately better serve students, faculty, administrators, and community members in a timely and secure manner.



Figure 1: Easily collaborate with data leveraging crowdsourcing capabilities



Streamline financial and regulatory reporting

- Speed the process of reporting on student outcomes, Diversity, Equity, and Inclusion (DEI), and alumni data with greater consistency, accuracy, auditability and transparency.
- Create a trusted, single repository of metadata (data about data) and reports regardless of where they may reside.
- Empower cross-functional teams to easily find and understand the data and reports they need with detailed context.
- Enable finance (financial aid, Bursar's office, etc.) teams to gain a better understanding of how financial data is used (processing tuition payments, disbursing scholarships and financial aid, etc.) and easily trace lineage of datasets with comprehensive audit trails.



Improve transparency and data integrity at scale

- Implement systematic data governance, quality and privacy controls that remove human error and mitigate data-related, operational and regulatory non-compliance risks.
- Proactively detect anomalies and inaccuracies in data across educational departments and systems including HR, finance, student data, and more.
- Mitigate compliance and cybersecurity risks by applying data policies and controls consistently across all datasets.
- Easily locate, classify and protect sensitive data including Personally Identifiable Information (PII) and Protected Health Information (PHI) with role-based access control.

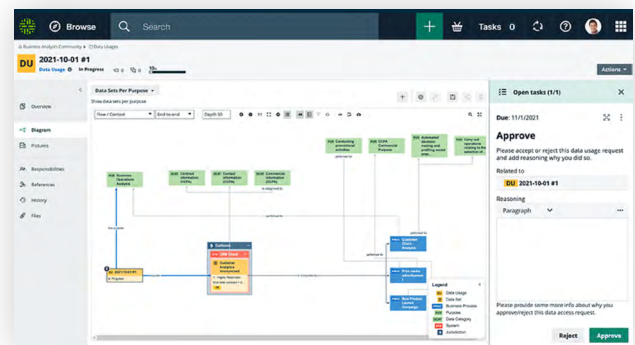


Figure 2: Visualize and understand data dependencies from source to target with end-to-end data lineage



Speed digital transformation and data modernization

- Quickly determine what impact migrating a particular dataset to a data lake or modern data warehouse may have on upstream and downstream systems, as well as prioritize migration of datasets in the right sequence and securely.
- Simplify data onboarding to maximize productivity by cataloging and managing the data in your data lake and data warehouse from a single centralized location.
- 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.
- Obtain end-to-end visibility into your data residing in data lakes and data warehouses in the cloud.



The Collibra Data Intelligence Platform Advantage



Educational institutions rely on Collibra Data Intelligence Platform to gain in-depth visibility into their data ecosystem across on-premises and the cloud without moving data, so that data assets stay protected.

Govern. Trust. Access.

Data Catalog

- Data marketplace
- ML-powered classification
- Guided stewardship

Data Lineage

- Business lineage
- Technical lineage

Data Governance

- Business glossary
- Policy manager
- Reference data management
- Data helpdesk
- Data dictionary

Data Quality & Observability

- Adaptive and custom rules
- Pipeline and dataset monitoring
- Anomaly detection

Data Privacy & Security

- Collibra Protect
- GDPR module
- CCPA module

Active metadata graph

Core services

Flexible operating model

Native Integrations

Reports and dashboards

Integrated browser experience

Workflow engine

Collaboration

APIs

Usage analytics

“ I get excited about Collibra, but I have users coming to me and saying this is the best thing they have ever seen. Some users have even said that had they had a solution like Collibra at their previous job, they might not have left. Collibra makes a big difference. ”

Garth Gehlbach, Head of Data Governance, WGU

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 marketplace experience enables data citizens across the institution to easily locate and shop for fully-governed and trustworthy data they need.



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 financial disclosures 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.



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.



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.



Embedded privacy by design and data protection

- With Collibra, educational institutions 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.