

Governed Data Fabric Accelerates Data Self-Service and Informed Decisions

Denodo, in partnership with Collibra, provides an agile, self-service, and trusted data delivery platform, enabling organizations to excel in data analytics and informed decision initiatives.

Today, the notion of one or more central data repositories that act as hubs for access and storage is giving way to a mesh or data fabric that overlays all data sources. Simply put, a data fabric provides each consumer with a consistent, coherent view of all the integrated and packaged data they may need, regardless of the user's location or the location of the data itself.

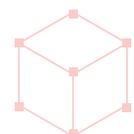
Denodo and Collibra deliver timely and trustworthy data so everyone in the organization can be more confident that they're making decisions based on complete, accurate, and real-time information for better business outcomes. Trusted, accurate data also makes it easier for organizations to meet data privacy and compliance regulations, such as the Global Data Protection Regulation (GDPR) and the California Consumer Privacy Act (CCPA).



Denodo and Collibra: A Modern Approach to Delivering Trusted Data

Data fabric is an emerging architecture designed to address the challenges arising from a hybrid data landscape. Its fundamental idea is to strike a balance between decentralization and centralization by acting as the logical connective thread between data endpoints. The Denodo Platform is a logical data fabric solution designed to integrate, manage, and deliver all enterprise data. Denodo offers a tremendous opportunity for enterprise organizations to transform their data infrastructures to support digital transformation. Denodo enhances self-service data utilization with a semantic data layer. This semantic layer is the business representation of enterprise data that helps end-users access data autonomously using familiar and standard business terms in real time. By providing a semantic layer powered by data virtualization, the Denodo Platform helps enterprise organizations make their data fully available and usable to the business with minimal IT intermediation.

With Collibra, organizations can implement a data governance framework to accelerate time-to-value. Collibra Data Governance automates governance activities and enables cross-functional teams to establish a common understanding of the available data, facilitating collaboration and innovation. Collibra delivers active data governance, an enterprise data catalog, wide-range connectivity, and collaborative workflows and management in one secure enterprise-grade platform.



How the Denodo Platform Fuels Colibra Capabilities



SPEED DATA DELIVERY TO ACCELERATE THE PRODUCTION OF ANALYTICAL RESULTS

Data access latency increasingly impacts analytics, especially as data architectures become more distributed. Denodo's enterprise-grade logical data fabric enables the creation of a single point of access with the underlying data sources and abstracted data views with flexible standard interfaces. Global security, governance, and auditing policies are applied to ensure that safe data sharing is enforced across the organization, regardless of the capabilities of each individual source. Furthermore, Denodo logical data fabric query optimizations eliminate data delivery delays, such as push-down queries to the host system, caching local copies of frequently-accessed data, and query accelerations. Together, these techniques boost performance, save cost, and speed time-to-value.



LEVERAGE DATA DISCOVERY TO EXPAND DATA AWARENESS

To support data analytics, Denodo logical data fabric provides four fundamental data management capabilities: documenting what data assets exist and are available, enabling data accessibility and self-service, providing a uniform method of accessing similar data domains, and semantic model flexibility to reduce the complexity of different source models and formats.



OPERATIONALIZE PREDICTIVE MODELS USING BOTH DATA-AT-REST AND DATA-IN-MOTION

Traditional business intelligence and analytics leverage historical data, i.e., data-at-rest, to create predictive and prescriptive models. Organizations then operationalize the model by embedding models within live data streams, i.e., data-in-motion. Denodo offers 150+ connectors to access data from any source anywhere, on-premises or in the cloud, on-demand. Denodo's logical data fabric supports integration using data-in-motion and data-at-rest to reduce manual intervention and streamline decision-making through automation.



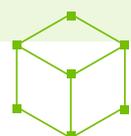
CATALOG DATA ASSETS ALONG WITH THEIR LINEAGE

Data scientists strive for data trustworthiness. The data catalog enables business users and data scientists to discover, understand, and access the available data in the enterprise. The data catalog leverages active metadata to guide data discovery and foster collaboration. Since the logical data fabric connects consumers with disparate data from across the enterprise, it becomes the central source for data awareness, documenting the location, type, format, content, and lineage of the data assets distributed across the hybrid multi-cloud environment. Colibra and Denodo catalogs work together as governance and data marketplace portals.



INTEGRATE DATA ACROSS MULTIPLE CLOUD ENVIRONMENTS

Modernization projects motivate cloud migration, but as different cloud service providers offer unique benefits, it would be surprising to see any organization limit its options by committing to a single cloud vendor. Instead, Denodo and Colibra provide a cloud agnostic, governed logical data fabric solution that enables coordinated access and aggregation across the different clouds, such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform (GCP), to provide a holistic view of data across a hybrid enterprise without needing to physically copy the data.



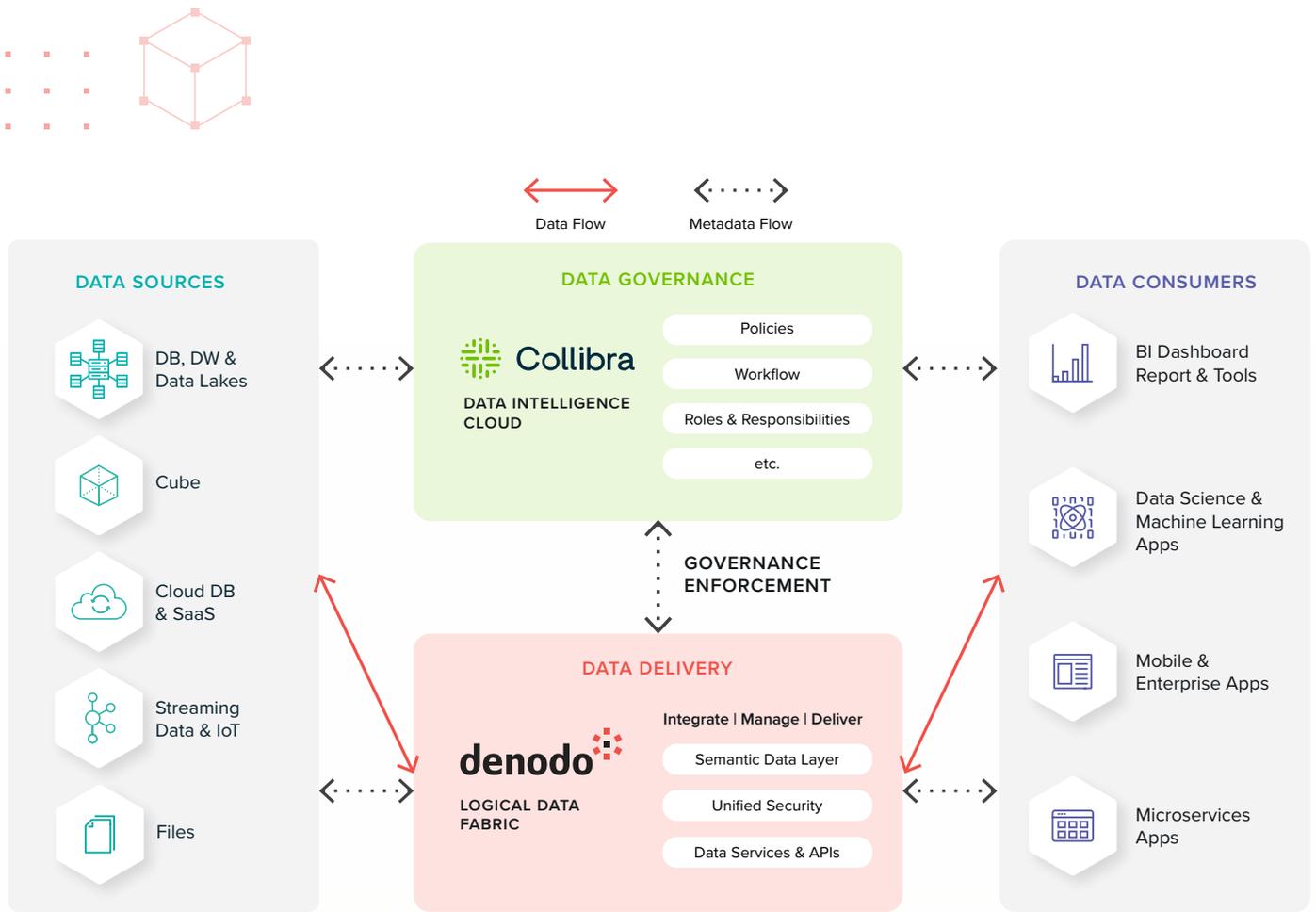


Figure 1: Reference Architecture: Denodo + Collibra

Benefits: Denodo + Collibra = Business Success

Data only delivers business value when it is contextualized and can be accessed by any user or application in the organization. The combination of Denodo's logical data fabric and Collibra Data Governance enables three key benefits:

Enable self-service data consumption and collaboration. The joint solution provides a unified schema and semantic model to simplify data consumption and utilization. Organizations gain a single view of truth for business applications across multiple data stores.

Automate data governance, protection, and security, enabled by active metadata interoperability. Governance and security rules are defined in Collibra and automatically enforced in the Denodo semantic layer.

Automate data engineering tasks and augment data integration across hybrid cloud resources. Provide end-to-end data lineage across the data fabric, from original data sources to consumer business applications.



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