denodo + ❄ snowflake®

Data Self-Service Made Easy, Accelerating Informed Decisions

The Denodo Platform enables self-service data discovery and access to propel data analytics and informed decision initiatives based on the Snowflake Data Cloud.

In today's fast-paced, rapidly changing world, businesses rely on line-of-business staff to make quick, intelligent decisions based on the latest data and information. Whether responding to an online query, offering a customer discount, or selecting a supplier to reduce supply chain risk - agility, precision, and fast responses all rest on the data-driven decisions and actions of its business-line members.

We know that transforming and analyzing data in the cloud can speed up time-to-insight. However, even leveraging the cloud, companies still need to rely on IT for basic data access and insights. Many employees do not have direct access to data or tools that help them analyze their data. For many Denodo customers, data self-service is the next milestone in achieving rapid time-to-insight and real-time business agility.

Denodo and Snowflake: Better Together

Snowflake was built from the ground up for the cloud. It is not bound by the limitations of a legacy on-premises solution ported to the cloud. Snowflake helps organizations minimize data silos by consolidating valuable enterprise data on secure, performant cloud infrastructure. Snowflake provides a central repository of information that can be used to build enterprise analytics and business intelligence programs by physically aggregating data from disparate clouds and on-premises sources.

The Denodo Platform is a logical data fabric solution designed to manage, integrate, and deliver all enterprise data. Denodo offers a tremendous opportunity for companies to transform their data infrastructures to support digital transformation. The first step in making your users productive is making data and associated metadata easy to find. This is essential for any self-service data strategy. The Denodo Data Catalog is aimed at business users for helping them in the data discovery and exploration process in a self-service manner. Denodo further enhances self-service data utilization with a semantic data layer. By providing a semantic layer on top of Snowflake, powered by data virtualization, the Denodo Platform helps companies make their data fully available and usable to the business with minimal IT intermediation. This semantic layer is the business representation of corporate data that helps end-users access data autonomously using common business terms in real time.

The combination of Denodo logical data fabric and the Snowflake Cloud Data Lakehouse enables a powerful and unified self-service data strategy, making all data users and analysts more productive, infrastructures more cost-efficient, and time-to-insight more immediate.

Advantages of Denodo with Snowflake

SPEED DATA DELIVERY TO ACCELERATE THE PRODUCTION OF ANALYTICAL RESULTS.

As data architectures become more distributed, application performance is increasingly impacted by data latency. Denodo enterprise-grade logical data fabric overcomes this challenge using optimizations that eliminate data delivery delays, such as leveraging dynamic query optimization to partially push computation down to the host system and reduce the volume of data-in-motion, caching local copies of frequently-accessed data, as well as intelligent query federation. Together, these techniques boost performance and speed time-to-value. Furthermore, Query Acceleration runs data queries at less cost and requires fewer cloud resources.

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.

ANALYZE DATA-AT-REST FOR PREDICTION USING DATA-IN-MOTION.

Traditional business intelligence and analytics leverage historical data, i.e., data-at-rest, to create predictive and prescriptive models. However, more organizations are embedding models within live data streams, i.e., data-in-motion. Denodo offers 150+ connectors to access data from any source anywhere on-prem or cloud on-demand. Denodo 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 Denodo Platform's data catalog enables business users and data scientists to discover, understand, and access the data available in Snowflake. 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.
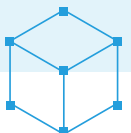
INTEGRATE DATA ACROSS MULTIPLE CLOUD ENVIRONMENTS.

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, a logical data fabric leverages fundamental data virtualization techniques, in which separate data virtualization instances are placed within each cloud domain (such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform (GCP)) and can access and aggregate the data within that cloud provider. Denodo logical data fabric enables coordinated access and aggregation across the different clouds to provide a holistic view of data across a hybrid enterprise.

CENTRALIZED SECURITY AND GOVERNANCE

Logical data fabric provides a global access layer with which to enforce security, governance, and auditing policies across the organization, regardless of the capabilities of each individual source.