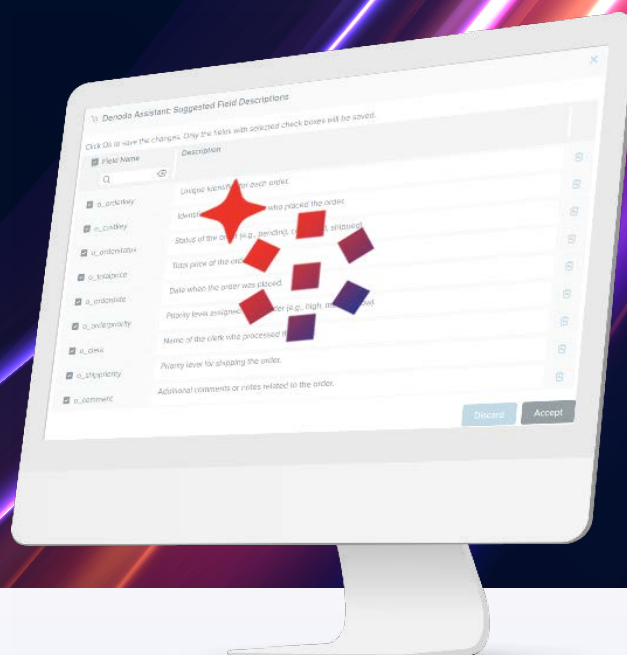


Denodo Assistant: Accelerating Trusted Data Delivery for AI and Analytics

Despite significant investments in modern data platforms that consolidate vast amounts of structured and unstructured data, many organizations continue to struggle with growing business demands for trusted, governed, and reusable data. While data lakehouses provide scalable storage, unified analytics, and powerful compute for analytical workloads, not all data resides in the lakehouse, and not every use case benefits from centralization.

Real-time operational reporting, AI applications that require live enterprise context, and scenarios where data must remain in place for governance or compliance are just a few examples where centralized architectures fall short. Organizations need a logical data access layer that can connect, govern, and deliver distributed enterprise data in real time, while preserving the business context AI systems and users need to act with confidence.



The Denodo Platform complements data lakehouses and other modern data investments by adding this logical data access layer across cloud, on-premises, and SaaS environments, without unnecessary replication. Denodo Assistant builds on this foundation with AI-powered capabilities that accelerate data management tasks, helping data engineers and business users create, discover, and deliver trusted data products faster and more efficiently.

By providing intelligent, real-time access to governed enterprise data, Denodo Assistant helps teams reduce manual effort, improve productivity, and make trusted data easier to consume across AI, analytics, applications, and self-service use cases.

The Key Features of Denodo Assistant

◆ CONVERSATIONAL ACCESS TO DATA

Denodo Assistant enables users to interact with enterprise data through a conversational interface, similar to a chatbot, asking questions in natural language to discover trusted data products and insights. By leveraging the Denodo semantic layer and governance policies, responses are grounded in consistent business definitions while simplifying data access for both business and technical users.

◆ RECOMMENDED DATASETS

By automatically suggesting relevant datasets and data products based on users' previous activities, Denodo Assistant simplifies data discovery and accelerates self-service analytics. This helps teams quickly find the right data for analysis while also discovering new datasets, enabling new insights and smoother exploration.

◆ DATA PREPARATION WIZARD

With intelligent recommendations, Denodo Assistant enables users of all technical backgrounds to easily customize data products. This enables data products to be quickly tailored to different use cases without constant involvement from the data team, freeing them to focus on more strategic tasks.

◆ SUGGESTIONS FOR VIEW AND COLUMN DESCRIPTIONS

Denodo Assistant automatically generates meaningful descriptions for views and columns using AI, making data assets easier to create and understand. This improves data clarity, promotes collaboration across the organization, and enables faster onboarding, leading to more effective data governance.

◆ AUTOMATIC SUMMARY RECOMMENDATIONS

Denodo Assistant analyzes query patterns and recommends summary caches to optimize query performance. By improving execution speed, it provides faster access to critical insights, enabling timely business decisions without delays from slow data retrieval methods.

◆ QUERY WIZARD RECOMMENDATIONS

Denodo Assistant provides step-by-step guidance through query creation, making it easier for users of all skill levels to generate accurate queries. This democratizes data access across the organization, fostering consistent data usage without overloading the technical staff.

◆ INTELLIGENT AUTOCOMPLETION IN VQL SHELL

Denodo Assistant offers context-aware suggestions while users write queries, helping to construct them more efficiently. This reduces errors, accelerates the query-building process, and enables teams to access data without getting bogged down in technical details.

◆ LLM-BASED DATA ENRICHMENT

Denodo Assistant enables users to automatically summarize text, extract information, analyze sentiment, remove sensitive data, and translate text using Large Language Models, available as functions directly within VQL.

◆ AI-GENERATED JOIN RECOMMENDATIONS

Denodo Assistant accelerates view creation with AI-generated join condition suggestions, even when there are no pre-defined associations between tables. This streamlines development workflows and reduces manual effort for data engineers.

◆ CONVERSATIONAL DEVELOPMENT IN VQL SHELL

Denodo Assistant helps developers create data views faster through a guided conversational experience. It can generate VQL, explain and diagnose SQL, recommend joins, and clarify intent through follow-up questions, reducing errors and the need for deep VQL expertise.

◆ AI-DRIVEN TAGGING FOR GOVERNANCE

With intelligent recommendations for tagging data assets, Denodo Assistant simplifies classification and security policy application. This ensures consistent, efficient governance while making it easier to maintain compliance across the organization.

