Unlock GenAI Potential with Denodo Express and AI SDK

Denodo Express is a complimentary, entry-level version of the Denodo Platform, purpose-built for developers, data architects, and technical professionals who want to explore the power of data virtualization. With Denodo Express, you can quickly prototype data integration solutions, connect disparate data sources in real time, and transform data on the fly—all without the overhead of moving or duplicating data.

Designed to accelerate your data initiatives, Denodo Express offers the standard capabilities of the Denodo Platform, enabling seamless access to multiple data sources through a single, unified interface. With community support, extensive online resources, and a familiar, GUI-driven interface, Denodo Express is a powerful tool for quickly building foundational data solutions. For those seeking enterprise-grade scalability, enhanced performance, and robust governance features, the Denodo Platform offers a complete suite of advanced capabilities.

Denodo Express enables rapid, secure AI prototyping, enabling developers to build accurate, data-driven chatbots and agents with generative AI (GenAI). With Denodo Express' metadata layer grounding responses in reliable data, and the Denodo AI SDK for seamless integration, developers gain the agility to confidently create smarter AI applications. The AI SDK is included with Denodo Express.
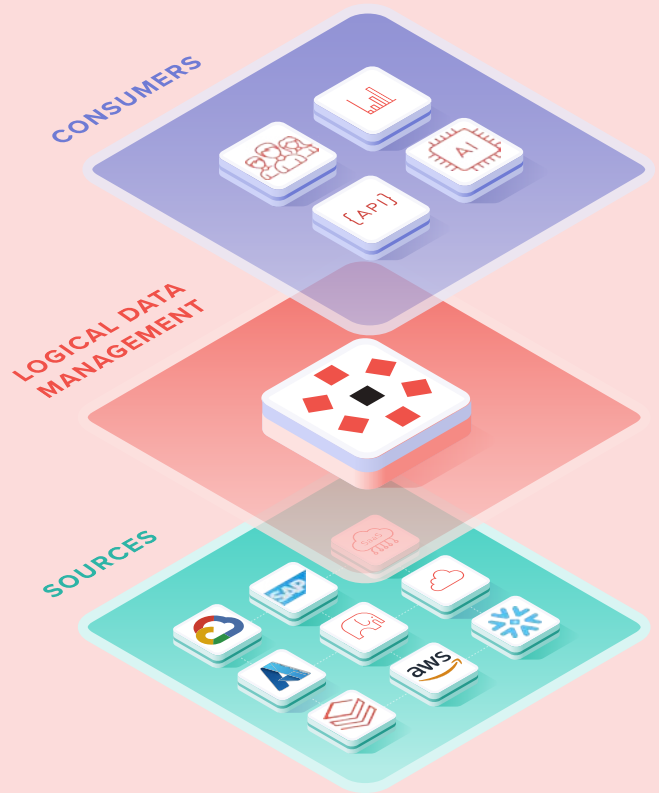
DENODO EXPRESS

Denodo Express is a complimentary version of the Denodo Platform designed to provide users with an introduction to data virtualization.

I **Cost and Licensing:** Free to download and use, with a renewable one-year license term.

I **Support:** Access to online community-based support, tutorials, and videos.

I **Capabilities:** Includes standard features such as GUI-based development, connectors to over 200 data sources, access to Denodo Connect components, including the AI SDK, metadata-driven integration, transformation functions, real-time query optimization, caching, batch scheduling, data services publishing, security, data governance, data discovery, and monitoring.

THE DENODO PLATFORM: AN ENTERPRISE-GRADE SOLUTION FOR INTELLIGENT DATA DELIVERY

The Denodo Platform is a comprehensive logical data management solution, built on data virtualization, that enables seamless, secure access to distributed data in real time. With universal connectivity to over 200 data sources, an embedded data catalog, and a unified semantic layer, it provides developers with a trusted data access and delivery layer. The platform also supports advanced needs like data governance, security policies, and smart query acceleration. Ideal for building scalable, robust applications, the Denodo Platform's capabilities help developers deliver real-time insights and provide data integrity across hybrid and multi-cloud environments.
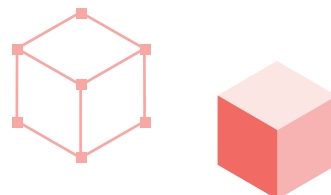
Simplify the Building of AI Agents with Denodo Express

As retrieval-augmented generation (RAG) becomes the standard for GenAI applications, developers in complex, distributed environments face several challenges:

I Selecting data sources
Identifying the optimal source for each query

I Query language compatibility
Navigating different SQL dialects

I Security consistency
Providing uniform security across systems

I Metadata disparity
Unifying diverse metadata structures

I Real-time access
Achieving up-to-date data without heavy ETL processes

Denodo Express addresses these challenges with a unified semantic layer enriched by extensive technical and business metadata. This trusted foundation enhances RAG accuracy by contextualizing responses, minimizing hallucinations, and aligning results with real business needs—providing a level of precision and intelligence unique to Denodo.

The Denodo AI SDK

The Denodo AI SDK simplifies RAG workflows, enabling developers to build GenAI-powered applications without managing each step manually. By automating tasks like data access, security, and metadata harmonization, the SDK frees developers to focus on refining AI agents rather than backend orchestration.

For developers, this means a streamlined process with minimal handling of individual components. The SDK efficiently manages complex RAG interactions—embedding metadata, querying vector databases, and generating natural language responses—reducing both development time and effort.
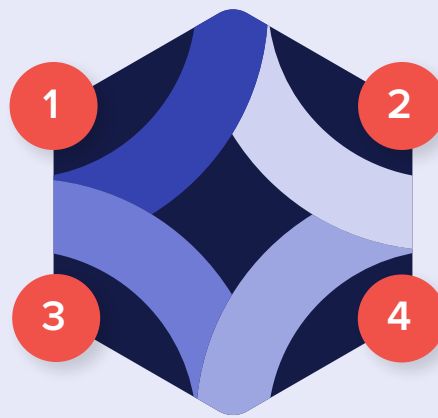
The Denodo AI SDK is comprised of four main components, each of which plays a distinct role in supporting efficient, secure, and user-friendly GenAI application development:

SDK LAYER
Manages calls to the vector database, the Denodo Platform, and any integrated large language model (LLM), abstracting these interactions and simplifying orchestrations.

DENODO EXPRESS
Responsible for executing SQL queries, enforcing data access controls, and providing metadata about data assets.

VECTOR DATABASE
Used by the SDK to search for similar concepts.

LLM INTEGRATION (optional)
Adds natural language capabilities to the structured responses, enhancing user comprehension.

Getting Started with the Denodo AI SDK

Start building your GenAI applications in just three simple steps, designed to streamline setup, configuration, and rapid development.

STEP 1
Download Denodo Express

Get started with a single download of Denodo Express, which includes the AI SDK. Install and configure it to connect with your data instantly.

STEP 2
Define Virtual Views

Set up virtual views with your data or use the provided banking example, and define key semantics and metadata for accurate, context-aware responses.
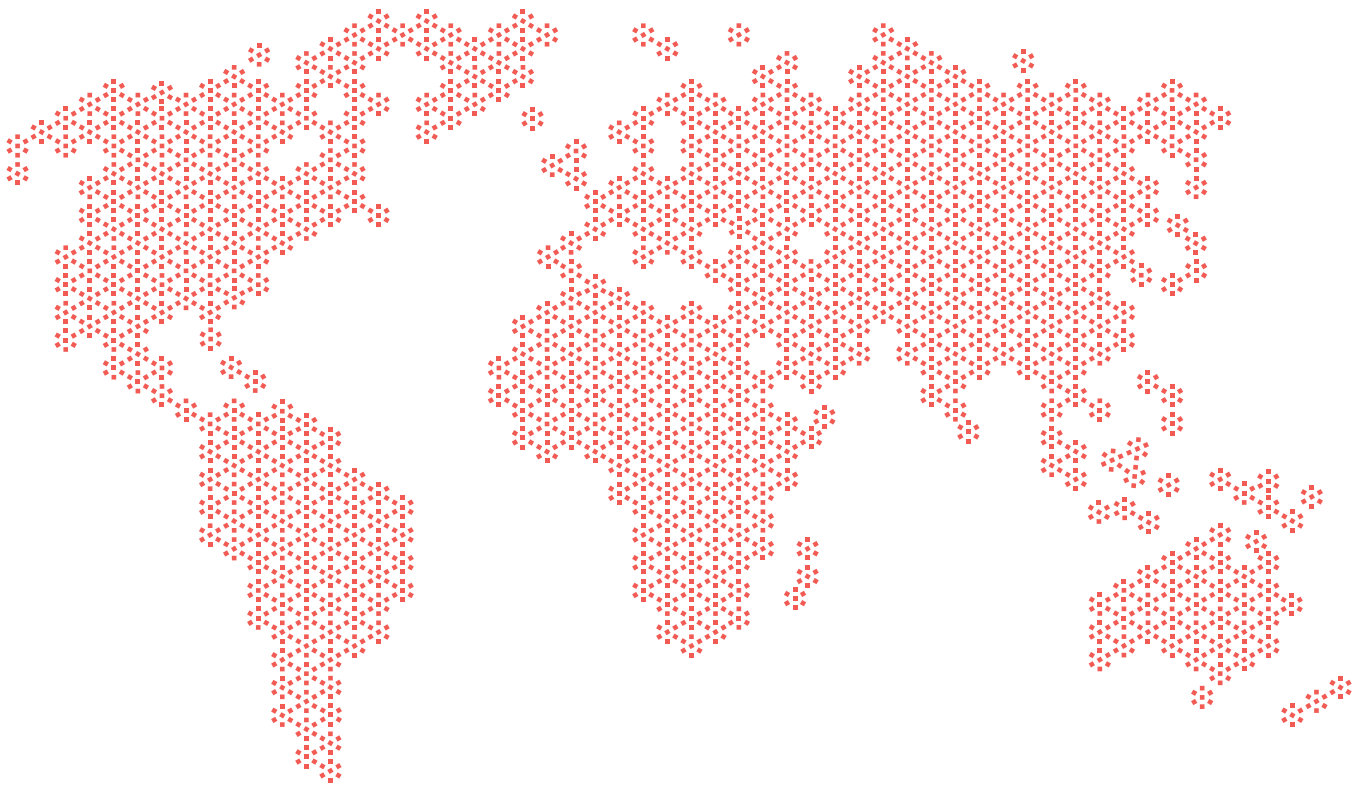
STEP 3
Experiment and Build

Use the sample front-end application to quickly test API calls, experiment, and get up-and-running with your first RAG application

To learn more, visit our community, or if you're ready to dive in, download Denodo Express now, and start building!

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Denodo is a leader in data management. The award-winning Denodo Platform is the leading data integration, management, and deliveryplatform using a logical approach to enable self-service BI, data science, hybrid/multi-cloud data integration, and enterprise data services. Realizing more than 400% ROI and millions of dollars in benefits, Denodo's customers across large enterprises and mid-market companies in 30+ industries have received payback in less than 6 months.

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