



sanofi

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INDUSTRY

Pharmaceutical

PROFILE

Sanofi is a global life sciences company committed to improving access to healthcare and supporting the people it serves throughout the continuum of care. Sanofi transforms scientific innovation into healthcare solutions across a broad range of therapeutic areas.

Sanofi maintains approximately 543 subsidiaries across 74 countries. In 2025, Sanofi had revenue of over \$50 billion.

“

Denodo enabled us to simplify the existing data landscape and enabled the timely delivery of data. Since implementing it, we have been able to provide 100% accurate data without errors or delays, according to business requirements and expectations.”

— **Fernando Tidei**, Head of ITS
Integration & Architecture at Sanofi
SCCore

Sanofi Achieves 80% Faster Supply Chain Data Delivery with the Denodo Platform

Sanofi transformed the data foundation supporting its global supply chain, accelerating data delivery and reducing the time required to implement and deploy new projects.

The transformation addressed a challenge that had been building well before the COVID-19 pandemic. A rigid and complex data landscape was limiting Sanofi's ability to respond quickly to changing market needs.

The pandemic added new urgency to the need for greater supply-chain visibility. Sanofi responded by creating its Datahub, supported by the Denodo Platform, to connect its diverse systems, improve information sharing, track supply-and-demand disruptions, and build a more adaptable data and analytics foundation.

Results at a Glance

80%

Faster data delivery
than conventional
data interfaces

50%+

Reduction in
new project
implementation
and deployment
time

500+

Daily jobs
scheduled through
the platform

200

Data-quality
business rules
implemented

Business Need

Even before the pandemic, limited information sharing across supply-chain processes was contributing to delays and higher costs. Working capital remained tied up in inventory, while stockouts could lead to lost sales.

In response, Sanofi launched a holistic supply chain transformation program underpinned by an adaptable and robust data and analytics infrastructure.

At the center of this program was a solution Sanofi called the “Datahub,” designed to improve information sharing, track supply-and-demand disruptions, and more effectively identify near-term risks and vulnerabilities.

The Datahub was to be implemented within the existing data infrastructure landscape and was expected to gradually replace existing interfaces and functionalities.

Given the diversity and scale of Sanofi's data environment, the Datahub had to meet several key requirements:

- Integrate smoothly with the existing SCCore (Supply Chain Core) application landscape without disrupting business continuity.

- Harmonize and deliver consistent data to consumer applications in real or near real time across different time zones.
- Minimize the impact of data access on source-system capacity, availability, and resource consumption.
- Support large data volumes through configurable persistence, caching, database push-down processing, transformations, filtering, publishing, and business rules.
- Provide secure, encrypted access to source systems.

Sanofi's legacy extract, transform, and load (ETL) processes were complex and time-intensive to maintain and consumed considerable computing resources.

The Solution

The Denodo Platform satisfied Sanofi's requirements.

To consolidate data in multiple formats from different source systems, Sanofi implemented the Denodo Platform to build a data access layer aggregating data from source systems and delivering it to consuming applications in near real time, enabling synchronization between systems.

Sanofi's major SAP systems are now connected through the Denodo Platform, including master and transactional data for materials, vendors, customers, purchase orders, sales orders, and event reports.

The transformations and mappings required to integrate these systems are performed within the Denodo Platform, so no transformations need to be performed by the source systems.

Due to high data volumes, Sanofi implemented a clustering configuration for high availability, scalability, and improved performance.

Through the platform, more than 500 daily jobs are scheduled according to their timing and dependencies. The platform also manages the timely sequencing of more than 300 input files, along with monitoring, backup, and consistency capabilities.

Sanofi is also leveraging the Denodo Platform's Data Marketplace to provide end users with governed access to legacy databases without requiring direct database access, reducing the organizational overhead associated with user management and security.

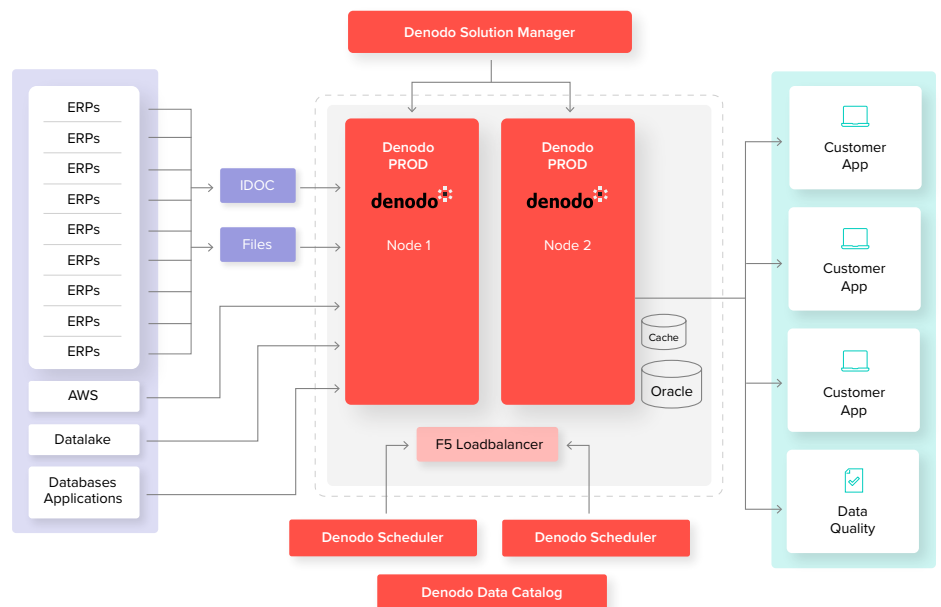


Figure 1: The modern data architecture at Sanofi with a central data layer – built on the Denodo Platform – that consolidates data from myriad ERP systems. Interfaces flow in both directions.

The Denodo Platform plays a key role in Sanofi's data quality management (DQM). Sanofi has implemented 200 business rules to verify data integrity and accuracy, including checks that validate whether the Material Master has been correctly populated against the corresponding purchase order. In addition, the Denodo Platform is being connected to an AWS data lake and other ERP systems to further validate sourced data.

