



## W5 and Denodo

Enabling Companies to Modernize their Data Infrastructures, Quickly and Easily

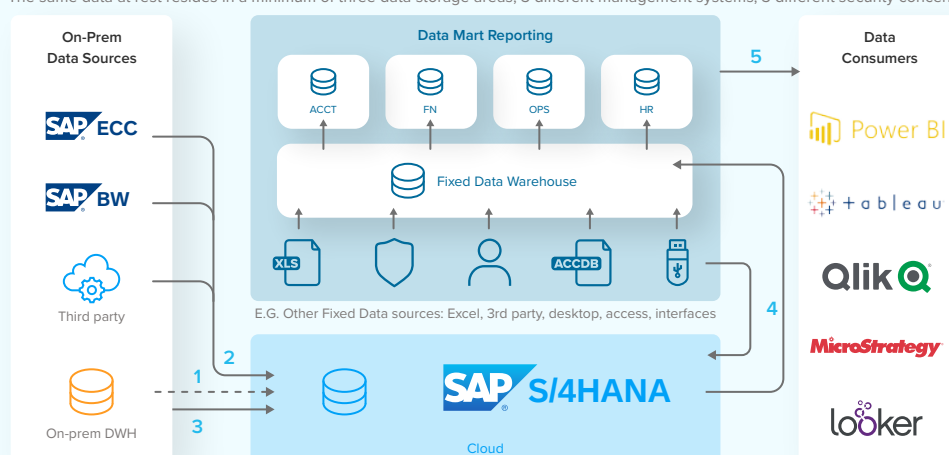
### Challenges

In a perfect world, we would snap our fingers and immediately have access to the latest systems, including cloud-based repositories and cloud-based processing systems.

In the real world, of course, modernization of the database infrastructure is often neither straightforward nor inexpensive, especially when organizations need to move from one fixed system to another, such as from an on-premises system to a virtual machine (VM) in the cloud. During development, organizations still need to be concerned about such data management issues as scaling the data and the data platforms; providing adequate infrastructure to support additional and growing data sources, including database systems, archive management systems, and monitoring capabilities; and managing personally identifiable information (PII) in support of such regulations as the Global Data Protection Regulation (GDPR), the California Consumer Privacy Act (CCPA), and the International Traffic in Arms Regulations (ITAR). Particularly in a fixed database architecture environment, data management can therefore be extremely costly.

#### Common Current Data State Architecture

The same data at rest resides in a minimum of three data storage areas, 3 different management systems, 3 different security concerns.



In addition, during the modernization process, including the transition from on-premises systems to the cloud, companies often need to:

1. Seamlessly integrate sources like SAP S/4HANA with multiple different data sources
2. Provide uninterrupted access to key data feeds
3. Maintain consistent, reliable access to data for reporting and invoicing
4. Further reduce costs by modernizing without introducing new virtual machines (VMs)
5. Perform the modernization within extremely short timeframes, therefore without introducing new on-premises environments, which would cause project delays

## W5 and Denodo: Achieve True Agility for S/4HANA with Data Virtualization

Working together, W5 and Denodo provide companies the ability to overcome all of the above challenges, so that organizations can take advantage of the latest developments when it makes sense for their business.

### What Denodo Brings

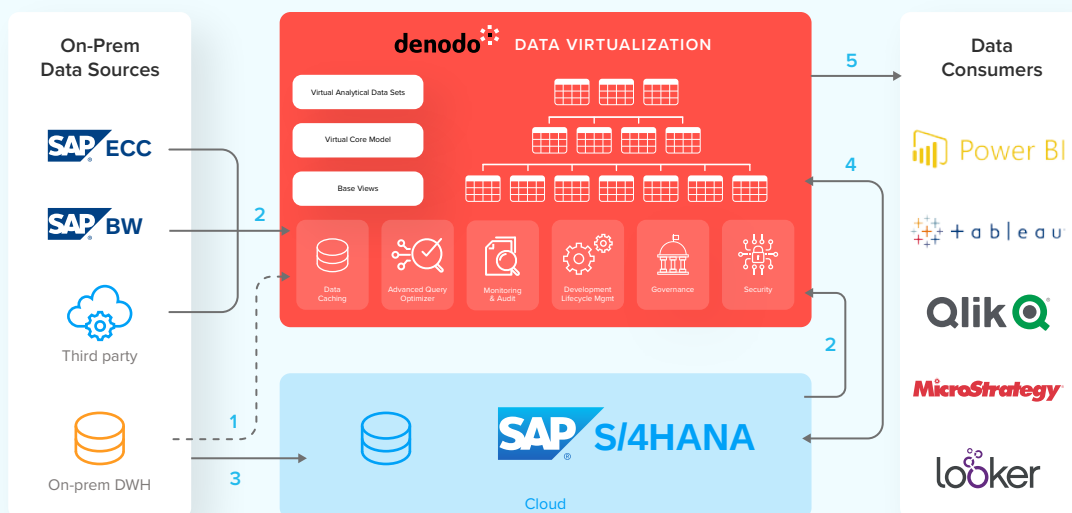
The Denodo Platform uses data virtualization to connect data consumers with disparate sources of data in real time, without having to physically move any data from its existing location. The Denodo Platform sits in a layer between data consumers and the various data sources. The platform itself contains no data, but only the metadata required to access each source, and the platform shields consumers from this complexity. By presenting data consumers with a real-time view across myriad disparate sources, data consumers can access a single version of the truth, and query across the heterogeneous sources without having to understand their different requirements.

With the Denodo Platform, new sources can be added relatively quickly, including emerging data storage architectures such as cloud or big data sources. Because the Denodo Platform supports a wide variety of legacy and modern data sources, it modernizes data infrastructures without forcing organizations to replace existing investments, including traditional data warehouses, data marts, or extract, transform, and load (ETL) processes.

### What W5 Brings

Highly experienced with the Denodo Platform, W5 not only assists in the implementation of the Denodo Platform at any phase but can architect the most effective structure for delivering the data to meet each client's business goals and build unique solutions that leverage the real-time data that the Denodo Platform provides.

#### Achieve True Agility for S/4HANA with Data Virtualization



1. Create a virtual representation of the physical tables from legacy DWH in Denodo Cloud Platform.
2. Connect other on-prem data sources to Denodo. Build the foundation for a logical data warehouse or logical data lake. Additionally, apply role-based data security policies to the virtual views being accessed inside Denodo.
3. Start moving physical objects from on-prem Data Warehouse to SAP S/4HANA in bite-sized chunks to avoid any downtime and ensure proper testing procedures. If have existing ETL Tools can use them or use Denodo.
4. Switch the connection from legacy DWH to S/4HANA Cloud Platform inside Denodo.
5. Maintain one consistent business data model across all consumers and reporting tools. Reuse analytical objects across multiple tools and consuming applications.

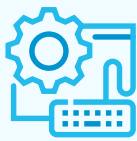
## Benefits

Working together, W5 and Denodo enable organizations to implement a true data-as-a-service environment, so that they can modernize their data infrastructures much more quickly, easily, and less expensively than relying on traditional data integration and data management approaches.

With the joint W5/Denodo solution, data does not have to move to a data-at-rest architecture. Data can become agile and accessible, for multiple data management benefits. During migrations, modernizations, or upgrades, data can be accessed as needed. And because data is virtualized, organizations have less of a need to develop and deploy database systems to address data capacity growth. With data virtualization, all data is accessed through a unified data layer, so security and data governance, including the management of PII, can all be seamlessly handled in this central layer.

The W5/Denodo solution reduces unnecessary transition time, data costs, infrastructure, and security management, while maintaining access to centralized infrastructure and consolidated data analytics.

## Working together, W5 and Denodo provide:



Immediate access to all data during development and deployment



Reduced cost related to new infrastructure builds and license fees, such as for VMs, databases, and operating systems



Automated security management, avoiding the need to hire additional support resources to manage PII security



The needed agility to modernize in response to changing business needs



Accelerated project development time

## About W5

For over 25 years, W5 Consulting has built, advised, designed, implemented, supported, and trained more than 800 clients in reporting, ERP, governance, data, solutions, and web applications. For W5, client projects are focused not on the technology but on the business solution. As a first step in each client engagement, W5 evaluates processes and seeks to understand the culture. Only then does W5 provide advice on how SAP, Oracle, or any other technology fits into each client's individual business needs.

For more information visit [www.w5consulting.com](http://www.w5consulting.com)

## About Denodo

Denodo is the leader in data virtualization providing agile, high performance data integration, data abstraction, and real-time data services across the broadest range of enterprise, cloud, big data, and unstructured data sources at half the cost of traditional approaches. Denodo's customers across every major industry have gained significant business agility and ROI by enabling faster and easier access to unified business information for agile BI, big data analytics, Web, cloud integration, single-view applications, and enterprise data services. Denodo is well-funded, profitable, and privately held.

For more information, visit [www.denodo.com](http://www.denodo.com)