



**Denodo**

# Reviews, tips, and advice from real users



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# Product Recap



Denodo

# Denodo Recap

Denodo is a leading data integration, management, and delivery platform that uses a logical approach to enable data science, hybrid and multi-cloud data integration, self-service BI, and enterprise data services. Organizations of different sizes across various industries utilize the product to get above the data silos. The solution offers organizations the freedom to migrate data to the cloud, or logically unify data warehouses and data lakes, without affecting business. This can ultimately result in the evolution of data strategies.

The platform accelerates data provisioning through reduced data replication, provides business users the freedom to select their preferred applications, and enables consistent security and governance across multiple systems. The solution offers one of the leading logical data fabric solutions by initiating data virtualization and eliminating the complexity and exposing the data in business-friendly formats.

Denodo also offers modern data integration and management for hybrid and multi-cloud environments for Denodo Platform for Cloud. This service can be purchased through the bring-your-own-license (BYOL) option. Users seeking faster deployment can license the product to popular cloud providers, including Amazon AWS, Google Cloud Platform, and Microsoft Azure. The solution integrates, manages, and delivers data in complex environments with high performance, governance, and security. It also offers additional solutions, such as the Denodo Platform for Cloud Modernization, the Denodo Platform for Cloud Data Integration, and the Denodo Platform for Cloud Analytics, which overcome common cloud data challenges.

## Denodo Features

At the beginning of 2022, version 8.0 of Denodo introduced several new key features of the platform. These include:

- **Scalability:** Denodo can scale from departmental or project to enterprise-wide with geographically distributed nodes. It can also handle large transactional loads of users, sources, and transactions as well as analytical loads of data volumes.
- **Query optimizers:** This feature offers advanced cost-based and source constraint-based query optimization that includes query rewrite, query delegations, data movements, and join optimization.
- **Intelligent caching:** This feature makes full, portal, and time-based caching possible.
- **Fine-grained security model:** This Denodo feature makes integration with external systems possible.
- **Monitoring and auditing:** Denodo offers enterprise-grade monitoring and auditing,

which allows for integration with system management products, including Tivoli, Unicenter, and HP BTO.

- **Development and deployment support:** The product offers full lifecycle support for the development and deployment of applications, providing users with all required tools.

## Denodo Benefits

Denodo offers various benefits for its users through its services. Some of the greatest advantages of using this platform include:

- The solution accelerates time to market for all types of business data through its services.
- Denodo provides IT agility, which helps companies respond to business-changing demands in a timely manner.
- Users can decide how much data replication they want to reduce through Denodo and use the product in full control.
- The solution meets the industry's security and privacy requirements by providing high-grade protection for users' data.
- Users can benefit from centralized control of data query executions for complete governance and full security.
- Denodo offers legacy replacement, multi-cloud deployments, and cloud migrations with minimal disruptions and a fair price.
- The solution utilizes artificial intelligence (AI) and machine learning (ML) to unlock data potential for customers.

## Reviews from Real Users

Naresh M., a senior application developer at a financial services firm, appreciates Denodo because it offers [quick and simple web services creation](#).

Alisson M., a senior BigData DevOps engineer at Schaeffler, says that Denodo is [great for queries and scouting data](#).

# Valuable Features

Excerpts from real customer reviews on PeerSpot:



“Denodo is the backbone for the BU I'm working for.”



**Atanu Chatterjee**

Principal Architect at a manufacturing company with 10,001+ employees



“The most valuable feature in Denodo is data virtualization.”



**Snehasish Das**

Technology Leader at eTCaaS



“The data catalog feature is valuable as it helps define data structures without storing data.”



**Vishal\_Goyal**

Director Software Engineer at Clarivate



“Denodo's capabilities offer a strong and intuitive solution for data access.”



**Arnest D'Haene**

Datawarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

- ✓ “One thing that we have noticed is that when you have a BI tool, you end up building a lot of the logic in the BI tool, but as a company, every company wants to be tool agnostic because today, you could be in the Qlik Sense, and tomorrow, you may decide to go with Tableau or something else that is there. If you have put a lot of logic within the tool, transitioning or moving away from one BI tool to another tool becomes a very intensive process. By keeping the logic in Denodo, you can move to any tool.”

**Kaveri Bhaskara**

Senior Manager Data Analytics at a recreational facilities/services company with 10,001+ employees

- ✓ “While we may not be using all the features of Denodo at this time, we have found the data virtualization features to be very useful in helping us connect our data sources together, bringing all our data into one platform.”

**Dash Bibhuprasad**

Lead Solution Architect at a insurance company with 10,001+ employees

- ✓ “It provides useful APIs and integrates with other systems.”

**Jefferson Hernandez**

Data Architecture and Engineering Specialist at coprocenva

## What users had to say about valuable features:

“The most valuable feature in Denodo is data virtualization. This feature focuses on creating a virtualized data environment that allows for simpler connections between data sources and systems. It significantly eases the process of developing AI and ML strategies by centralizing access to various data sources and allowing algorithms to efficiently connect to and utilize data..”

**Snehasish Das**

Technology Leader at eTCaaS

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“The data catalog feature is valuable as it helps define data structures without storing data. Denodo's ability to connect to multiple data sources and perform extract-transform-load (ETL) operations on the fly is noteworthy. It supports API usage to call and present data in JSON or Tableau format without visualization capabilities..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“Denodo is a good tool for data virtualization and cataloging. Its catalog is useful for data governance and helps document information for databases and fields.

Denodo is also effective for developing solutions quickly, facilitating user reports, and offering good data governance. It provides useful APIs and integrates with other systems..”

**Jefferson Hernandez**

Data Architecture and Engineering Specialist at coprocenva

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“The most valuable feature of Denodo is security, especially the privilege control. Denodo can connect over 150 data sources, making data integration effective.

The GUI interface allows easy connection of all data sources like API, JSON, or any JDBC source.

Additionally, the enterprise version has a global security management feature to control privileges by role..”

**Verified user**

Data Integration Engineer at a retailer with 51-200 employees

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“The most valuable feature of Denodo is its uniformity of self-site data access types, which allows it to connect to almost any storage technology and feed it transparently.

Denodo acts like a database query engine without a specific database storage technology. It is a very intelligent query engine, providing an abstractness to information at a meta and meta two-level.

Additionally, Denodo's capabilities offer a strong and intuitive solution for data access..”

**Arnest D'Haene**

Datawarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

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“One of the best features of Denodo is that it's one unified layer. All programmers or software need to manage different endpoints through one Denodo endpoint. We have custom-developed a tool called Marketplace where we can see whatever data products are available. It is centralized through one portal, a one-stop shop.

“Denodo supports SQL base, so if you want to join two tables or two views, you can use SQL, which is an advantage as most developers or business people know SQL. The distributed data mesh functionality allows teams to publish data products through Denodo, regardless of their data store type.

“Role-based access control is another valuable feature, allowing selective data access based on approval. The Azure Kafka endpoint enables real-time analytics capabilities..”

**Atanu Chatterjee**

Principal Architect at a manufacturing company with 10,001+ employees

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## Other Solutions Considered

“I am not certain what was used before Denodo as they had started using it before I joined. At that time, they might have had some legacy systems, and each team had their own ETL pipeline..”

**Atanu Chatterjee**

Principal Architect at a manufacturing company with 10,001+ employees

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“I used Qlik Sense for over six to seven years. 95% of my queries were answered through Qlik's community, and their support was prompt. We were Qlik customers, not partners..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“Starburst and Tray.io are too technical. Denodo is very user-friendly. Denodo is a technological tool for non-technical people. It is very easy to use. Denodo is way more mature than Starburst and Tray.io..”

**Marco Antonio Cavallo Jr.**

Head of Alliances at CGN Research & Advisory

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“We made an internal analysis of available blind spots inside our organization and of our business needs and platform needs. We eliminated all competing platforms. We took a close look at many platforms but Denodo was the only one that fit all our requirements..”

**Margus VÃrton**

Head of Data Service Department at a government with 201-500 employees

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“I have experience working with telco data visualization and analytics. I've utilized Denodo for data integration and analytics in telecommunications. Additionally, I've worked with mobility and IoT technologies for revenue assurance and management. I have proficiency in the Microsoft Stack, including SSIS, as well as experience with AWS Cloud services..”

**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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# ROI

Real user quotes about their ROI:

“By using more data in decision-making, our strategy became more accurate. Eventually, we can replace a lot of processes and a lot of systems that we have..”

**Marco Antonio Cavallo Jr.**

Head of Alliances at CGN Research & Advisory

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“They have achieved significant improvements in KPIs, such as customer churn, reducing it by approximately eight to twelve percent. This is an actual figure. They have also increased customer loyalty by the same margin..”

**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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“Before Denodo, our interfaces were running for six to seven hours to generate a file. After writing the same thing in Denodo, now those interfaces are generated in 25 to 30 minutes. So for us, we came down from seven hours to 30 minutes, and that is our ROI..”

**AjitSingh**

Tech Lead and Architect at SEI

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# Use Case

“I use the tool to integrate and standardize data. It converts all kinds of data. It can convert non-relational data to relational data. It can create a standardized way to consume data..”

**Marco Antonio Cavallo Jr.**

Head of Alliances at CGN Research & Advisory

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“Denodo is used for data virtualization and not for data visualization. We are in the initial phase of using Denodo, performing a proof of concept (POC) to understand its features. It is used for connecting to various data sources and combining data without storing it..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“My customers use Denodo for data integration. Before using Denodo, they did not have a platform to control all data sources with one platform. Denodo allows connecting different data sources for analysis and reporting..”

**Verified user**

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Data Integration Engineer at a retailer with 51-200 employees

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“I use Denodo to create a virtualized data environment rather than a physical one. This is helpful when enterprise data is spread across different data sources, such as cloud data warehouses and data lakes, and is used for developing AI and ML strategies. It creates a unified virtualized environment so the algorithms do not need to connect to multiple data sources individually..”

**Snehasish Das**

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Technology Leader at eTCaaS

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“I am a consultant and a freelance data engineer with experience in Denodo. I work as a data warehouse and BI consultant, owner, and managing partner. I assist my clients, primarily in the public sector, including government organizations, with IT solutions using Denodo as part of their infrastructure..”

**Arnest D'Haene**

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Datawarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

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“Denodo is designed for a distributed data fabric. Instead of a centralized data lake, we are in a distributed data mesh. Whenever a team wants to publish some data product, they are publishing data through Denodo, and their data store might be different; it might be in Azure SQL, in an Azure Databricks data table, or in ADLS.

“Whenever a user is looking for data, instead of connecting to each individual data source, they can only pull data through Denodo views, which is a virtualization layer. Role-based access control can be implemented. Not everybody can pull data; whoever is looking for data and whatever data they are looking for, that approval we can give, and based on that, they can pull.

“For real-time analytics, we have an Azure Kafka endpoint. There are some use cases with the Azure Kafka endpoint; we have transferred data through that, and through Databricks, we have transformed the data and stored it in some persistent layer such as a Databricks data table or any other data store..”

**Atanu Chatterjee**

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Principal Architect at a manufacturing company with 10,001+ employees

# Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“The installation process is simple, whether on Windows or Linux servers. The setup is easy and provides flexibility from an infrastructure and architecture point of view..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“Configuring Denodo involves setting up a Java environment and installing different connectors for various data sources. This can take one or two weeks depending on the number of sources..”

**Snehasish Das**

Technology Leader at eTCaaS

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“For me, the initial setup was not a problem due to my extensive experience with UNIX and databases. However, customers have found multilingual support somewhat lacking, and documentation has not always kept pace with rapid product changes..”

**Arnest D'Haene**

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Datwarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

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“The setup is simple and straightforward. The deployment takes about two months. We required two data architects to deploy the product. The vendor maintains the solution. The tool can be deployed on-premise, in the cloud, or in multi-cloud environments..”

**Marco Antonio Cavallo Jr.**

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Head of Alliances at CGN Research & Advisory

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“The installation is not extensive. It takes about one week. The entire project deployment, including development, usually spans around six months. For instance, development itself might take approximately three to four months, with the remaining time allocated to post-production tests, use case implementations, and other activities..”

**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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“The initial setup of Denodo is straightforward. The time it takes to deploy depends on each scenario. If you are looking for an inspired level of adoption, that will require time to model the data. However, if you are looking to use Denodo on a more simplified basis, deployment will not take longer than a couple of weeks.

Being an architect, I would rate the ease of setup a four and a half out of five..”

**Verified user**

Assistant Consultant at a tech vendor with 10,001+ employees

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# Customer Service and Support

“Denodo has good support with the vendors and it is timely. They have a good methodology for learning how to use the tool, and the documentation is very thorough..”

**Jefferson Hernandez**

Data Architecture and Engineering Specialist at coprocenva

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“Denodo's technical support is rated as seven. Although they are proactive in conducting webinars and connecting with customers, they are perceived as less proactive compared to some other vendors..”

**Snehasish Das**

Technology Leader at eTCaaS

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“Denodo's customer support team is very competent and responsive. They try to simulate problems and address issues promptly, although most problems relate to network or authorization protocols, not the product itself..”

**Arnest D'Haene**

Datawarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

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“I have not yet needed to raise a ticket with Denodo's technical support as most questions have been answered through the community resources. I am in touch with some Denodo technical team members who explain the product features..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“I would rate Denodo's technical support an eight out of ten because whenever there is planned maintenance or if the Denodo server is down, we receive emails from the support team. If we raise a ticket, it can be resolved or addressed within a reasonable time frame, so support is good..”

**Atanu Chatterjee**

Principal Architect at a manufacturing company with 10,001+ employees

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“They provide extensive documentation which covers administration, development, and support comprehensively, providing detailed explanations for every step. In contrast, other data virtualization solutions like Data Virtualization and IBM Data Virtualization often lack such detailed documentation, which is crucial for implementing solutions to various problems. Additionally, Denodo provides excellent support. They have a dedicated and knowledgeable staff who are readily available when needed..”

**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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## Other Advice

“End users of Denodo will mostly be non-technical, as they will query the system in plain English for data insights.

I'd rate the solution nine out of ten..”

**Vishal\_Goyal**

Director Software Engineer at Clarivate

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“While I rate Denodo nine out of ten, I recommend considering the specific use case before adopting it. Denodo is a tool and should be part of a well-thought-out solution. Don't rely on marketing claims that say Denodo can handle everything. Solutions should be designed to solve specific business problems..”

**Arnest D'Haene**

Datawarehouse & BI consultant, Owner, Managing partner at NesCon B.V.

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“For new users evaluating Denodo, it is crucial to determine whether you truly need a virtualized environment. If you do not have numerous data sources, Denodo might not be necessary. However, if you do, Denodo makes sense.

I rate the overall solution as eight out of ten..”

**Snehasish Das**

Technology Leader at eTCaaS

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“If customers want to make their data valuable, they must know which data they are using. By using Denodo's data category feature, they can identify and manage valuable data effectively.

I'd rate the solution eight out of ten..”

**Verified user**

Data Integration Engineer at a retailer with 51-200 employees

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“We are not using [AWS](#), and a different team is responsible for onboarding or approving new software or licenses. Regarding advanced metadata management features, someone from the Denodo SME or Denodo admin team would be better positioned to comment.

“We have used the caching mechanism. For huge data sizes, we are using [Snowflake](#). Denodo has the feature to persist data in any data store. While Denodo doesn't typically persist data as it's a virtualization layer, we can persist data in [Snowflake](#) for large datasets.

“Denodo can be deployed both on-premises and in the cloud. Initially, they started on-premises with the Denodo server, but have now migrated to the cloud. Denodo is the backbone for the BU I'm working for. If someone wants to share data or bring data, they need to go through Denodo, making it the backbone of this data mesh architecture.

“I am not familiar with Denodo's pricing as that is handled by the budget or senior management team. We might be a partner of Denodo, but I'm not certain about this relationship. We are using Databricks Spark, not core [Apache Spark](#).

“I would rate the product overall an eight out of ten. I am satisfied, but there is always scope for improvement. If they fix scalability automation and virtualization problems, I would give them a higher rating..”

**Atanu Chatterjee**

Principal Architect at a manufacturing company with 10,001+ employees

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“The main motivation was their use of multiple technologies such as SQL servers and Oracle, spanning nearly twenty-five different databases. This multitude of data sources and information spread across various databases necessitated robust data integration and visualization capabilities. Denodo played a crucial role in enabling the bank to unify and visualize information from these disparate schemas and technologies. This achievement significantly enhanced their ability to derive comprehensive insights from the diverse datasets. Numerous insights and use cases have already been successfully implemented across various departments within the bank. These initiatives have encompassed areas like predictive analytics, customer behavior analysis, and the development of machine learning models for HR and revenue forecasting.

Denodo's products help reduce time to market for new products and promotions, ensuring they reach customers promptly. This prevents revenue loss, especially at the customer and complaint levels, among other benefits.

Denodo has three layers of security. It is integrated with Active Directory for authentication. It supports single sign-on within the organization, particularly in the banking sector, where it is a leader. This integration allows for auditing and monitoring of all staff members. This forms the first layer of security. The second layer involves fine-grained access control over specific tables, views, and even columns. Denodo provides specific controls to determine who can access which tables and columns at a granular level. The third layer consists of generic governance rules governing user groups such as development, operations, and administration teams. For instance, developers may have read-write access, administrators have full administrative privileges, and operations staff have predefined access rights. These rules govern the authorization and authentication processes within Denodo.

Denodo is not an expert in AI nor does it propose AI-specific use cases. However, its abstraction layer can inspire ideas related to AI, such as predictive analytics for customer behavior, complaints analysis, churn prediction, forecasting future revenue trends, and identifying new customer benefits for a bank's portfolio, for example.

It provide a six-month warranty post-production, followed by five years of product support. This includes updates, new batches, upgrades, and more. One admin and two development team are required for maintainance.

Overall, I rate the solution a nine out of ten..”

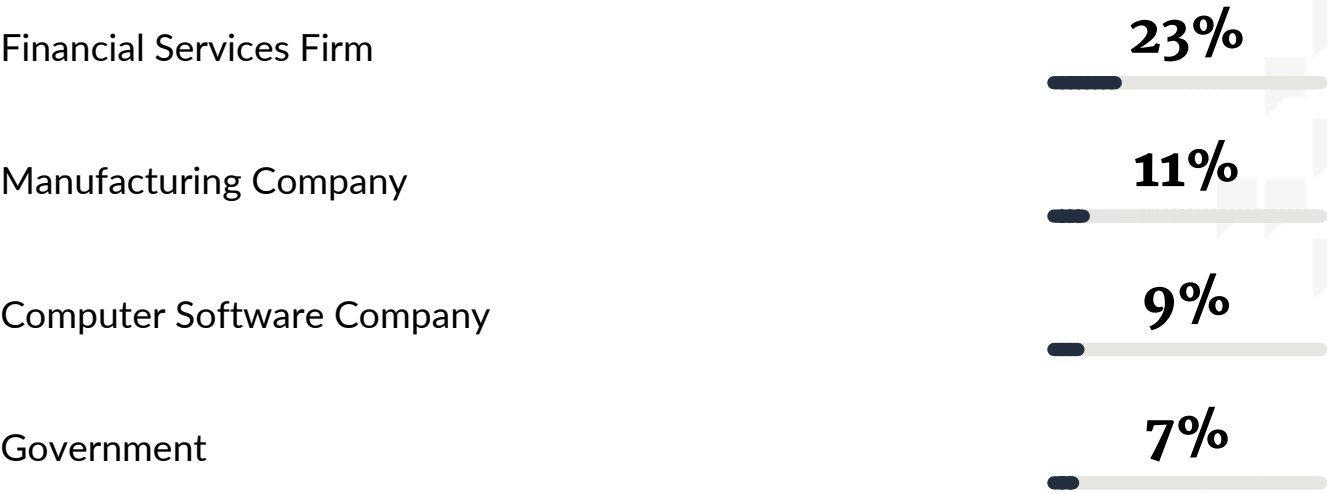
**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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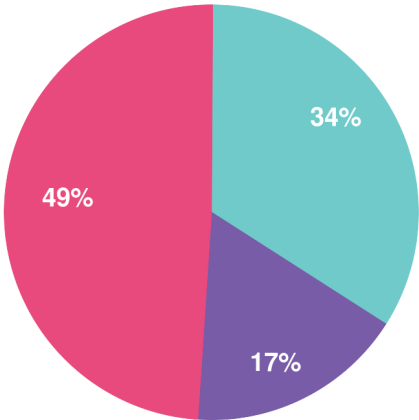
# Top Industries

by visitors reading reviews

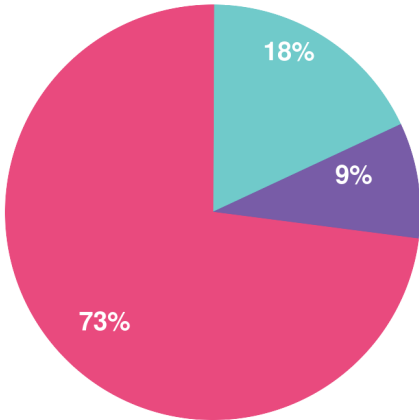





# Company Size

by reviewers



by visitors reading reviews



 Large Enterprise       Midsized Enterprise       Small Business

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