

aws marketplace

Teradata

# Reviews, tips, and advice from real users



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# Product Recap



Teradata

# Teradata Recap

Teradata is a scalable data analytics platform designed to meet enterprise demands for large-scale data management and processing, focusing on performance, scalability, and security for complex query executions.

As a leading data warehousing solution, Teradata integrates advanced analytics enabling organizations to derive insights from massive datasets. It supports high-volume data workloads with its architecture optimized for analytical queries. Users benefit from its robust scalability, allowing seamless expansion as data grows. Teradata's SQL engine is compatible with a wide range of data types, ensuring flexibility in data analysis. With advanced security measures, it protects sensitive data across various environments, providing peace of mind to users handling critical information.

## What are the most important features of Teradata?

- **Linear Scalability:** Easily expands data processing capabilities to handle increasing data loads without performance degradation.
- **Advanced Analytics:** Supports complex analytical operations integrating machine learning and AI for predictive insights.
- **SQL Compatibility:** Offers a comprehensive SQL interface that supports complex queries across diverse data types.
- **Data Security:** Implements rigorous security protocols to protect data integrity and confidentiality.

## What benefits and ROI should users look for?

- **Improved Decision-Making:** Derive actionable insights quickly for strategic business decisions.
- **Cost Efficiency:** Optimized resource usage reduces operational costs associated with data processing.
- **Increased Productivity:** Streamlined data operations save time, allowing teams to focus on analysis.
- **Enhanced Scalability:** Seamless growth without significant additional investment as data volumes increase.

Teradata is widely used in industries like finance, telecommunications, and healthcare, where data-driven decisions are critical. Companies leverage its robust analytics capabilities to enhance customer experiences, streamline operations, and ensure compliance with regulatory requirements. In these sectors, quick access to data insights can significantly impact competitive advantage.

# Valuable Features

Excerpts from real customer reviews on PeerSpot:



“The data processing, clustering, and distributed computing are impressive.”



**Hanaa Hammad**

Senior Data Analyst at a outsourcing company with 201-500 employees



“Teradata effectively uses parallelism to the granular level, performing better than other databases.”



**RajeshKumar25**

Principal Consultant & Director at Quensulting



“The data mover is valuable over the last two years as it allows us to achieve data replication to our disaster recovery systems.”



**Achilleas Achilleos**

Team Leader for Data Base Administrators at a government with 1,001-5,000 employees



“When it comes to integration, tools like Informatica seamlessly connect with Teradata. We ensure the Teradata database is configured correctly in Informatica, including the proper hostname and properties for the load process. We didn't find any major complexity or issues with integration.”



**SurjitChoudhury**

Data engineer at Cocos pt



“It is a highly robust software solution.”



**Mohamed-Saied**

Senior Data Architect at Teradata Corporation



“Teradata's capabilities enhance data management efficiency, support scalability, and contribute to faster query performance.”



**Biplab Sahoo**

Solution Architect at Capgemini



“It is a stable solution. Stability-wise, I rate the solution a nine out of ten.”



**Ahmed ElKhazendar**

Data Warehouse Senior Manager at Etisalat

## What users had to say about valuable features:

“It's the same as your visual database. I like the fast load feature for data, BTQ nd storage procedures are very good. They can avoid table locking, which is very good..”

**Rupal Sharma**

Data Architect at Three Ireland (Hutchison) - Infrastructure

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“The most valuable aspects of Teradata are not specific features. Rather, it's the overall performance, particularly parallelism, workload management, and parallel computing. Teradata effectively uses parallelism to the granular level, performing better than other databases..”

**RajeshKumar25**

Principal Consultant & Director at Quensulting

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“The most valuable feature is parallel processing architecture. Teradata's capabilities enhance data management efficiency, support scalability, and contribute to faster query performance, enabling us to derive valuable insights and analytics..”

**Biplab Sahoo**

Solution Architect at Capgemini

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“Teradata is a great, industry-leading data warehousing product that has MPP architecture. In recent times, there have been many other products available in the cloud space. It has a lot of other features like linear scalability and unconditional parallelism..”

**Narender Talagama**

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Data Engineer at a recreational facilities/services company with 10,001+ employees

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“The cloud is ten times better than physical hardware; it is more cost-effective and the upgrade process is ten times easier. Teradata Cloud options are also more affordable for anyone, especially for small companies. However, if our company expands significantly, it may become less affordable due to the costs associated with the necessary connection and bandwidth required to communicate with the servers..”

**MartinPotgieter**

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Services Manager at Bytes Systems Integration

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“It’s good. The educational resources are good. I think the idea of distributed computing is well implemented in Teradata, and that was likely their intention from the beginning. It's a foundation for big data processing. So far, I appreciate the product, but I haven't worked on a real project with it yet.

The courses are good. I don’t have a full certification yet; I just have some course certificates. In my first week, I completed around five or six courses, and now I work on a longer one. The content is well-organized, and I’m happy with the learning materials so far.

The data processing, clustering, and distributed computing are impressive. I’m curious to see how it works internally and how performance is accelerated. I’m also learning about how SQL and Teradata’s EXPLAIN feature work. So far, it's a very good product.

Teradata do have some AI models that can be used for in-database analytics. I haven’t tried them yet, but I know the product's K-Means implemented in the database, which is interesting because I’ve seen how challenging it is to parallelize K-Means in other environments. I plan to explore it more when the opportunity arises.

K-Means is implemented, and Teradata leverages its database operations for AI analytics. They use parallel processing, which is one of Teradata's main features.

I find Teradata's approach useful in its current state. I definitely want to explore it further..”

**Hanaa Hammad**

Senior Data Analyst at a outsourcing company with 201-500 employees

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# Other Solutions Considered

“I prefer SQL for its cost-effectiveness and performance and also consider Oracle, although its licensing is more expensive. Teradata was already present when I joined the company..”

**Achilleas Achilleos**

Team Leader for Data Base Administrators at a government with 1,001-5,000 employees

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“Before choosing Teradata IntelliFlex, we evaluated other options like SQL Server and Oracle. We chose Teradata IntelliFlex because of its core competitive advantage in terms of a readymade model for the financial sector..”

**Hamid M. Hamid**

Data architect at Banking Sector

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“I've worked a lot with open-source tools, mainly Python, in my role.

I've worked with IBM Cognos before, but that was just part of a solution, mainly for VPN dashboards. However, I wasn't a specialist in business intelligence, so this is new to me. Teradata complements my data science journey..”

**Hanaa Hammad**


Senior Data Analyst at a outsourcing company with 201-500 employees

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“I have used Azure Synapse SQL. Regarding Teradata, I've only explored it for proof of concept purposes. As a gold partner of Microsoft, we recommend Azure Synapse SQL. However, Teradata seems to be the preferred option when handling large transactions over Azure Synapse SQL. While I haven't explored Teradata extensively, based on colleague feedback, it's considered ideal for financial transactions involving millions to billions of records per day. On the other hand, Azure Synapse SQL is more suited for data warehousing and operational reporting..”

**NarendraBelkar**

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Manager, Project at a consultancy with 1,001-5,000 employees

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“From my perspective, I only started using it because it's needed for my current job. Before this, I didn't consider Teradata better than Oracle or GV2A. I think it's better than GV2A, but Oracle is more robust. Teradata has its customers, but I didn't really compare them before because business intelligence and data warehousing were not my areas of focus. IBM was behind both Oracle and Teradata in this field, but I am not sure exactly how Teradata stands in comparison.

In my data science journey, I realized that my weak point was data analysis and data warehousing, which is why I'm happy to be working with Teradata now. It's helping me fill that gap..”

**Hanaa Hammad**

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Senior Data Analyst at a outsourcing company with 201-500 employees

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“Currently, I work closely with the AI and ML team, focusing on frameworks like NumPy.

At my company, we use Snowflake as a data warehouse. I primarily worked on the ETL side, ensuring data accuracy, governance, modeling, and loading data into the Snowflake warehouse. But it was part of a particular project.

I've also used Oracle as a source and target, as well as SQL Server. In my experience at Capgemini North America, most clients like Elkhared, Levi's, General Electric, etc., used Teradata as their primary database.

While the architecture has evolved with new technologies, Teradata remains a powerful tool..”

**SurjitChoudhury**

Data engineer at Cocos pt

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# ROI

Real user quotes about their ROI:

“We feel that we are given the services from Teradata IntelliFlex for what we are paying. We are the Central Bank of Colombia, a non-profit organization, making it difficult for us to say that because of IntelliFlex, our earnings have increased. My institution doesn't aim for any earnings. We have been able to provide much better services to all of our customers, including all the financial institutions in our country, because of which I can say there has been a return on investment using Teradata IntelliFlex. A return on investment is possible based on the improvements in our service to our customers..”

**RodrigoMedina1**

IT Director at a financial services firm with 1,001-5,000 employees

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# Use Case

“Our primary use case for Teradata is as a data warehouse; we store our databases for the data warehouse, including the EDW. It is mainly used for our data warehouse environment where we run a lot of analytics and heavy queries..”

**Achilleas Achilleos**

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Team Leader for Data Base Administrators at a government with 1,001-5,000 employees

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“We used its capabilities for critical tasks, particularly in the realm of recovery jobs. We capitalized on the database's ability to transfer entire blocks of data rather than just transactional information. This approach, especially when dealing with block-level data, proved significantly faster compared to other techniques such as UBC WAN..”

**Mohamed-Saied**

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Senior Data Architect at Teradata Corporation

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“Teradata is primarily used for data warehousing across all customers. My clients have built-in applications that use Teradata, and their use varies from customer to customer, depending on the industry and database size. The primary function is as an OLAP analytical ecosystem..”

**RajeshKumar25**

Principal Consultant & Director at Quensulting

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“We use Teradata for our organization's data warehouse, where we store data from all enterprise sources. With Teradata's efficient processing, we generate business intelligence reports and support analytics initiatives. Our teams connect to Teradata for valuable insights, enabling data-driven decision-making across departments. The platform's analytics capabilities enhance our understanding of enterprise data for strategic planning and optimization..”

**Biplab Sahoo**

Solution Architect at Capgemini

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“Teradata Cloud Data Warehouse offers a more cost-effective cloud solution. However, the main challenge we encounter, especially in South Africa, is the limited bandwidth available for connecting to our cloud network. This is where the cost factor becomes significant, making it impractical to fully utilize the cloud due to the bandwidth constraints required for communication with the cloud. This limitation poses a major problem. While we can access certain features of cloud solutions from Teradata for free to evaluate them, it is not feasible for serving a large user base like two to three million people accessing the database. To accommodate such a user load, we would need a massive and robust pipeline connecting to the cloud..”

**MartinPotgieter**

Services Manager at Bytes Systems Integration

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“The use cases vary based on the projects. In most projects, I worked with ETL tools like Informatica alongside Teradata. However, there was a specific project where we built a real-time data warehouse for active directory data using Teradata.

Oracle was the source system, with potential additional sources feeding into the Oracle database. We used Unix scripting to extract data from Oracle and leverage a colleague's expertise in Unix for the Teradata portion.

We wrote ETL queries and performed data profiling before loading the data into the target data warehouse for further processing by other tools.

Our task was to create a data warehouse, an active data warehouse in Teradata..”

**SurjitChoudhury**

Data engineer at Cocos pt

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# 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 initial setup process is rated as eight out of ten. It's straightforward. That said, when migrating databases from other systems, challenges arise in redesigning the code to optimize parallelism..”

**RajeshKumar25**

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Principal Consultant & Director at Quensulting

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“I rate the product's initial setup phase as above average on a scale of one to ten, where one is difficult, and ten is easy.

The solution is deployed on an on-premises version..”

**Ahmed ElKhazendar**

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Data Warehouse Senior Manager at Etisalat

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“The initial setup is straightforward. The deployment time is contingent upon the scale of the migration and moving from a lower to a higher environment is not a challenging task. The time it takes to migrate the data is also dependent on the source database and what ETL tool we are using. Around two to three engineers and one architect are required for the deployment..”

**Asish Sahu**

SPM at Infosys

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“The initial setup was straightforward. Before IntelliFlex, we were using Teradata's 2700 and 2800 appliances. We were moving from a Teradata appliance to a new Teradata appliance, and during that process, we were able to move all the data in between three to six months without a problem, keeping both platforms working until we moved into IntelliFlex. The setup phase was a good process.

The solution is deployed on-premises. We are planning to move to the cloud in the future..”

**RodrigoMedina1**

IT Director at a financial services firm with 1,001-5,000 employees

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“It's not too complex. It's designed for huge amounts of data, and it's planned out well. As long as you follow some principles, it won't be too complicated.

I've used the solution for more than a decade. It was a while since I deployed the solution.

You start with business analysis and design the database structure from there. After that, you can start populating and developing.

How many people you need for deployment or maintenance would depend on how big the implementation is. .”

**JiriPelikan**

Data warehouse consultant at Profinit

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“The initial setup is straightforward, but we may struggle the first couple of times; however, it is very user-friendly. Anybody can download the solution and play with it. Moreover, there is a place where we can ask for help if we encounter problems during the installation of Teradata Cloud. This is one of the reasons why Teradata is very popular, as there are always people available to assist us.

The time required to set up a cloud depends on its size. For a small Teradata Cloud, it usually takes around 45 minutes to complete the setup process.

The most important part is to do our planning and understand the client's requirements before deploying the solution. There is no point in deploying a cloud solution for a client without knowing their specific requirements. Therefore, I believe that the planning phase is the most crucial aspect. Once we have a clear understanding of what the client wants, we can proceed with setting up Teradata Cloud Data Warehouse for them..”

**MartinPotgieter**

Services Manager at Bytes Systems Integration

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# Customer Service and Support

“It is difficult to get someone with technical expertise involved with the solution's technical support team. I rate the technical support a four out of ten..”

**Ahmed ElKhazendar**

Data Warehouse Senior Manager at Etisalat


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“The technical support from Teradata is quite advanced. However, like any support service, there can be delays. I rate the support as eight out of ten because of their technical expertise..”

**RajeshKumar25**

Principal Consultant & Director at Quensulting

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“The tech support has been commendable. They adhere to the SLAs and respond promptly to our issues. We haven't experienced any significant delays on their part. I would rate it nine out of ten..”

**Mohamed-Saied**

Senior Data Architect at Teradata Corporation

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“I would rate the support as an eight out of ten. They are quick to respond to our questions and have been helpful not just with problem-solving but also during patch deployments on the provider..”

**Biplab Sahoo**

Solution Architect at Capgemini

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“The technical support at Teradata is the best in the world. All the support engineers have university degrees, and Teradata has its own university where we can access all their courses and components available in the market. This includes other applications as well. All of these resources can be found at Teradata University. About 80 percent of the courses can be completed remotely, but there are certain aspects that require in-person attendance in a classroom setting.

To access Teradata University and its resources, being a client is necessary, and certain subscriptions must be purchased based on our specific needs and inquiries, particularly regarding the Database Administrator side. The information we can access depends on the licenses we acquire with the system..”

**MartinPotgieter**

Services Manager at Bytes Systems Integration

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“Teradata's technical support is responsive. Although I haven't directly interacted with them, my colleagues at Captivine have.

They've efficiently resolved queries, adhering to SLAs, often within two to three days, even with time zone differences between India and the US. This quick turnaround is especially crucial for client or production issues that require urgent attention.

We didn't frequently encounter issues with Teradata because the tools are robust and well-documented. Teradata provides comprehensive documentation and resources with the purchase of a license, aiding our day-to-day operations.

There was one exception case, but overall, we managed well with the resources provided by Teradata..”

**SurjitChoudhury**

Data engineer at Cocos pt

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## Other Advice

“For Teradata to perform well, it requires good configuration and a good structure of the database. It's most suitable for medium and above-sized companies rather than small ones.

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

**Achilleas Achilleos**

Team Leader for Data Base Administrators at a government with 1,001-5,000 employees

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“New users should focus on understanding Teradata's parallelism and write their queries or codes to utilize its full potential. Knowing how to use workload management effectively is beneficial.

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

**RajeshKumar25**

Principal Consultant & Director at Quensulting

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“Considering its strength in data warehouse technology, I'd rate it between a nine out of ten. For data warehousing specifically, it has a lot of built-in components that can handle various requirements.

However, there's also big data technology to consider these days. But for a traditional data warehouse environment, Teradata is a very successful solution, a very good database, actually. .”

**SurjitChoudhury**

Data engineer at Cocos pt

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“The tool did enhance our company's data warehousing and analytics capabilities.

Teradata was crucial for our company's data analysis, especially for every campaign we run, including the pricing, exercises, and analysis.

Teradata's feature, which had the most significant impact on our company's data management, revolves around the analytics feature it offers.

I rate the tool an eight out of ten..”

**Ahmed ElKhazendar**

Data Warehouse Senior Manager at Etisalat

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“I'll be recommending it to customers. In my country, it is very active in acquiring data analysis solutions, so it will likely be recommended for that sector.

I have very limited knowledge at this point. I'm still exploring the architecture. From what I've learned so far, I believe it's used quite extensively in my region.

The idea of distributed computing and partitioning is definitely something that's needed.

Also, the cloud and on-premises architectures are not that different, which is a positive aspect.

Overall, I would rate the product an eight out of ten. .”

**Hanaa Hammad**

Senior Data Analyst at a outsourcing company with 201-500 employees

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“We used Teradata for proof of concept purposes but eventually transitioned to Azure Synapse SQL for managing large data volumes. With Azure Synapse SQL, we could load nearly 130 million records daily from a single data source, and we had eight data sources. This data-loading process took only four hours to complete. It is also based on the .NET framework.

If you're familiar with SQL, working with Teradata might be considered complex compared to Microsoft SQL or Oracle.

If you want a tool to handle financial transactions and generate simple dashboards, Teradata might be the faster option. However, if you also require machine learning, operational reporting, etc. I would recommend considering alternatives such as Azure Synapse SQL.

I rate the overall product a seven out of ten. .”

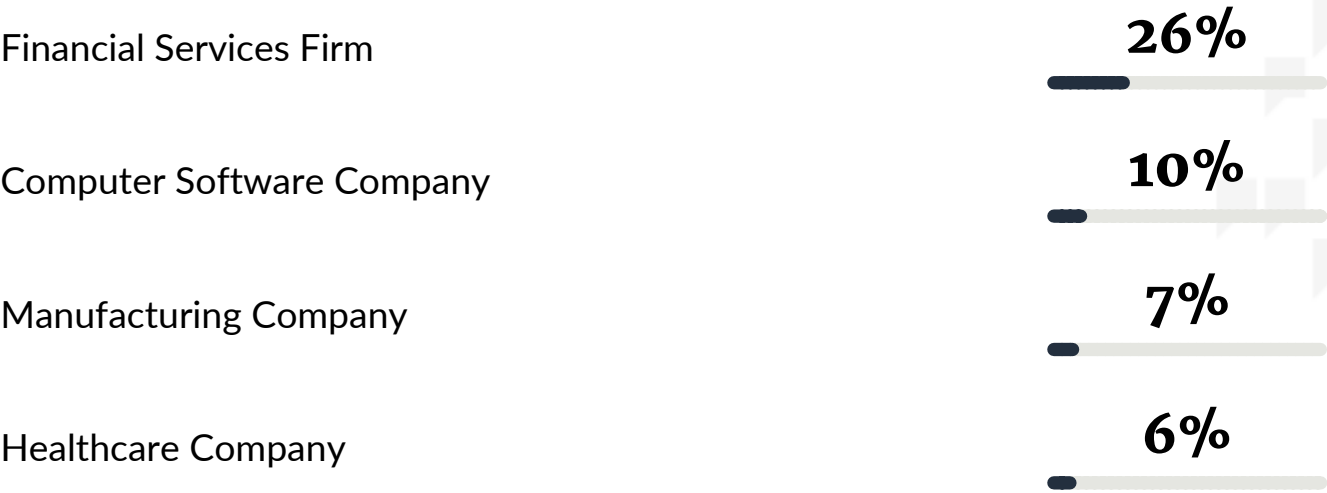
**NarendraBelkar**

Manager, Project at a consultancy with 1,001-5,000 employees

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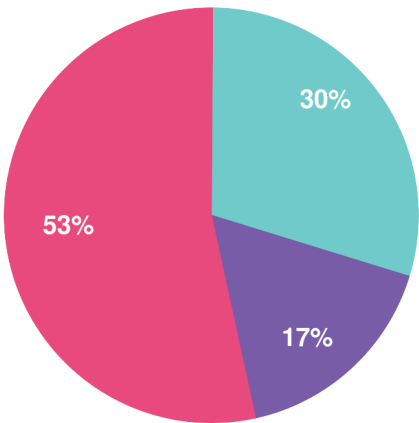
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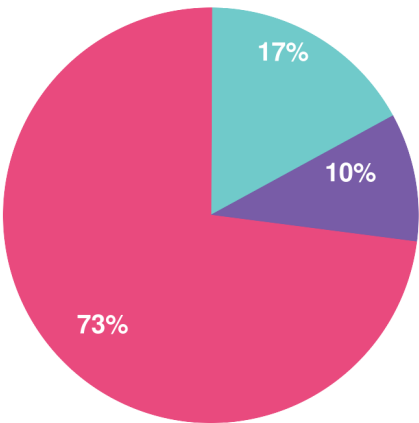



# Company Size

by reviewers



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 Large Enterprise       Midsized Enterprise       Small Business

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## PeerSpot

244 5th Avenue, Suite R-230 • New York, NY 10001

[reports@peerspot.com](mailto:reports@peerspot.com)

+1 646.328.1944