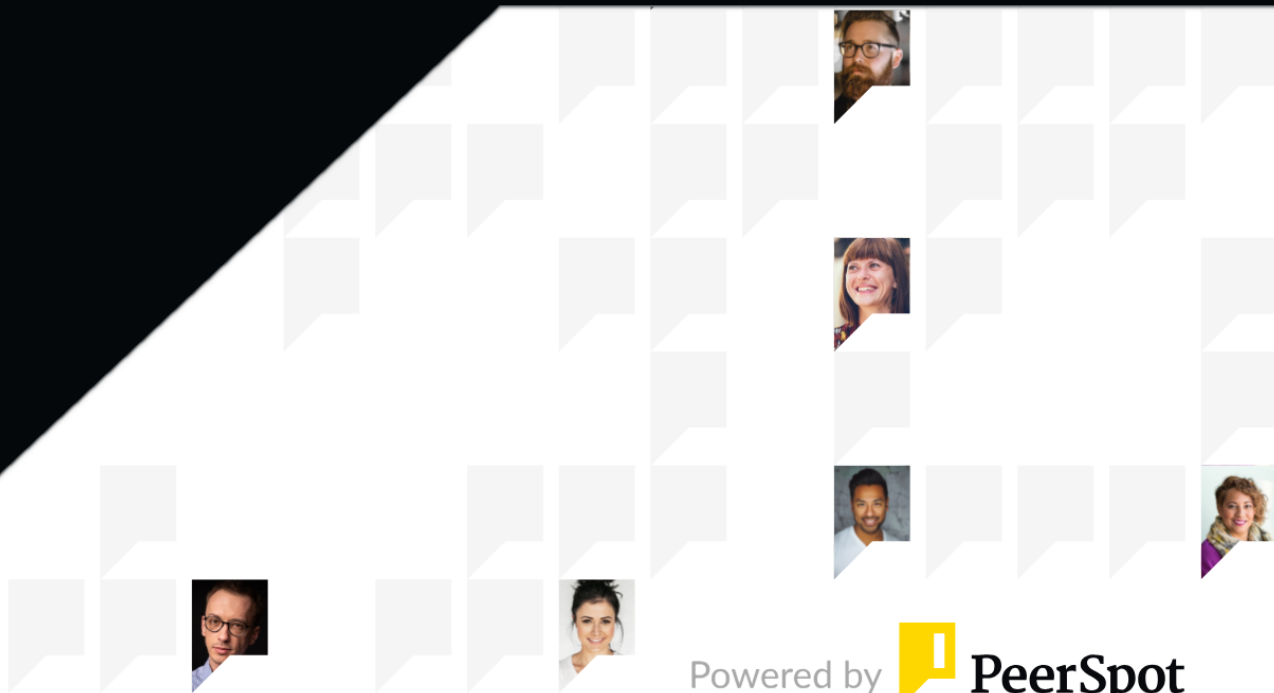




TiDB Cloud

Reviews, tips, and advice from real users



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Product Recap



TiDB Cloud

TiDB Cloud Recap

TiDB Cloud offers scalable MySQL compatibility with high availability and hybrid processing capabilities. Its modern infrastructure supports elastic scaling and distributed systems, enhancing cloud-native database management.

TiDB Cloud provides horizontal scalability, seamless integration with Prometheus and Grafana, and features automated partitioning and JSON functionality. A reliable option for e-commerce, financial systems, and more, it manages concurrency challenges and supports real-time analytics, though improvement in TiFlash and SQL optimizations is needed. Users appreciate the cost efficiency and AI features, but some desire more comprehensive error documentation.

What are the key features of TiDB Cloud?

- **Horizontal Scalability:** Easy addition of nodes for seamless scaling.
- **MySQL Compatibility:** Supports applications relying on MySQL databases.
- **Hybrid Processing:** Integrates transactional and analytical processes.
- **Elastic Scaling:** Adapts to changing demands without downtime.
- **High Availability:** Ensures continuous service with minimal interruption.

What benefits should be highlighted in reviews?

- **Cost Efficiency:** Reduces operational expenses with scalable solutions.
- **Rapid Scaling:** Quickly adapts to business growth requirements.
- **Enhanced Security:** Robust measures protect data integrity.
- **Minimal Downtime:** Maintains uptime for critical applications.
- **AI Features:** Advanced capabilities for intelligent operations.

Used widely in industries such as e-commerce, finance, and transportation, TiDB Cloud supports scalable database development and real-time analytics. By incorporating tools like Grafana and Prometheus, it aids in inventory tracking, user activity oversight, and optimizing analytics dashboards across diverse environments.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “TiDB Cloud stands out because it combines traditional SQL reliability with modern distributed scaling.”



Ayush Verma

Software Engineer at GSS Academy, Noida

- ✓ “I have experienced full 100% stability with TiDB Cloud.”



Ivan Makarenko

Senior Solo Contributor Full-Stack Engineer at Casafari

- ✓ “If cost is not a concern, I believe TiDB Cloud is the best option among traditional databases due to its distributed architecture which supports high availability and auto-scaling.”



Abishek S

database administrator at a tech services company with 51-200 employees

- ✓ “TiDB Cloud's managed cloud infrastructure has reduced maintenance for our team and allowed us to focus more on development and analytics instead of database operations.”



Verified user

Operations Analyst at a non-profit with 51-200 employees

- ✓ “TiDB Cloud's scalability is the best in the business.”



Verified user

SDR at a outsourcing company with 51-200 employees

- ✓ “The main advantage that I see with TiDB Cloud is the easy scale-up and scale-in without the need to buy any machines or do patching.”



Sukan M

Senior DBA at Mafiree

- ✓ “The ability to reuse information across documents helps my team as it saves time and reduces errors because we do not have to rewrite the same information anymore.”



Massimo Aroni

PM at a manufacturing company with 10,001+ employees

What users had to say about valuable features:

“TiDB Cloud is best for high availability use cases, and we can also explore more AI features including vector search.

I would like to add that we can enhance security using TiDB Cloud with private and public endpoints, ensuring that our data remains secure, especially for high-security use cases involving very confidential data, making this feature one of the best.

TiDB Cloud has positively impacted my organization because using the vector search feature has made me explore more about it in TiDB, and I have tried to implement that in our organization, and I am currently working on it.

I have explored a feature such as text-to-query, which allows us to avoid writing raw queries; we can just input our own sentence, and the text-to-query feature converts the text into a query which can then be used in the database..”

Abishek S

[Read full review](#) 

database administrator at a tech services company with 51-200 employees

“According to my experience, TiDB Cloud is very easy to use because we don't need to maintain much in TiDB. All the activities are mostly automated there, and we can easily monitor the performance. We don't need to manually check the health checks and other statistics.

The automation in TiDB Cloud helps my daily workflow as it can generate automatic charts according to our workloads, and we can analyze the queries easily using this monitoring feature. Unlike traditional databases, we don't need to monitor the performance and other statistics manually. Instead, in TiDB Cloud we can use the features it comes with.

I think TiDB Cloud is very useful for beginners because of one feature I have noticed: Text to SQL. This feature means we don't need to write exact queries.

The distributed database options in TiDB Cloud have helped me because we can place the data in multiple data centers and multiple nodes. Due to this, when we are accessing some data, it won't affect all the nodes. It will only focus on the node where the data is present, and other users can still use the other data centers to fetch the data effectively..”

Jethish K

Database Administrator at Mafiree

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“The best features TiDB Cloud offers are mainly because of the easy scale-up of compute and data nodes. On an on-premises cluster that I manage, I would have to procure a new machine and add that to TiKV, but instead, I can easily manage the TiDB nodes, which is the main advantage that I see with it.

In an existing cluster that I manage on-premises, I have to get a new machine, do patching, and make the user SSH, but with TiDB Cloud, I can simply click and scale independently, which is the main advantage that I see with it.

The main advantage that I see with TiDB Cloud is the easy scale-up and scale-in without the need to buy any machines or do patching. It is less hassle; it used to take at least a couple of hours to bring in a new node, patching, and all those other tasks, but with TiDB Cloud, it takes very few minutes, probably a couple of minutes to bring up a new node.

Definitely, the employee and the team will be saved because they do not need a DBA to exclusively set the servers, patching, and all those other tasks, but for money saved, I am not sure about this point since I have not had a real adoption of that..”

Sukan M

Senior DBA at Mafiree

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“In my opinion, the best features that TiDB Cloud offers are horizontal scaling, high availability for platforms, and its open-source nature, which looks familiar to engineers since it resembles MySQL.

“Horizontal scaling is valuable to me because databases that scale vertically hit a limit, and something that can automatically deploy another node to horizontally scale and do it automatically is of immense value to anyone running a SQL-based database. Regarding the open-source aspect, the biggest benefit is that there is no vendor lock-in, so I can use it for different services and integrate it with various products and solutions without being locked into AWS and subject to their terms and conditions. This allows me to create my own value and my own path.

“TiDB Cloud has impacted my organization positively by being a good partner. I have met many talented people there, and it was an introduction to the space for me..”

Verified user

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SDR at a outsourcing company with 51-200 employees

“The best features of TiDB Cloud are its horizontal scalability, MySQL compatibility, high availability, and real-time HTAP support. I also appreciate that it can handle both transactional and analytical workloads in a single platform, which reduces infrastructure complexity and improves performance for data-intensive applications.

TiDB Cloud's managed cloud infrastructure has reduced maintenance for our team and allowed us to focus more on development and analytics instead of database operations.

TiDB Cloud has scaled horizontally very smoothly in our experience, meaning we can add more nodes during traffic or data growth.

TiDB Cloud has positively impacted our organization by improving scalability, reducing database maintenance effort, and enabling real-time data processing for faster decision-making. It also simplified our architecture by combining transactional and analytical workloads in one system, which improved our efficiency and reduced operational overhead.

Using TiDB Cloud improved query performance by roughly thirty to forty percent for real-time dashboards and reduced database maintenance and scaling efforts significantly..”

Verified user

Operations Analyst at a non-profit with 51-200 employees

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“To be honest, I have not noticed a big difference with TiDB Cloud compared to PostgreSQL, but the architecture and scalability itself are much more convenient. Nowadays deployment and autosizing for needs and loads are much more convenient. However, for large volumes of data, you have to make archive tables and move annotation records there once a month, for example.

I am not a DevOps expert; DevOps is more involved in the setup. I am more of a client who uses TiDB Cloud as a black box. As far as I know and understand, it can do automatic partitioning of data, which helps a lot for some filters. It can also scale to pods. I did not dig deeply into how exactly we have it deployed and how it is configured, but I know about its capabilities.

I do not really know about any other features of TiDB Cloud because I do not use anything else from relational databases right now. What was new and fresh for me is that I liked working with the JSON column type and with built-in functions; it is very convenient. It used to be much more problematic.

Speaking of the features I use as a developer, I find searching for elements in JSON objects particularly convenient in TiDB Cloud. That is what is really convenient. Everything else is in automatic mode..”

Ivan Makarenko

Senior Solo Contributor Full-Stack Engineer at Casafari

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Other Solutions Considered

“Before using TiDB Cloud, we were using a traditional MySQL-based setup with manual sharding. We switched because scaling was becoming complex and time-consuming..”

Verified user

Operations Analyst at a non-profit with 51-200 employees

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“I do not know the competitors or who is a competitor to TiDB Cloud, because all other databases are hard to host yourself. I do not have specific advice for specialists who are considering using TiDB Cloud..”

Ivan Makarenko

Senior Solo Contributor Full-Stack Engineer at Casafari

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“Previously, I have used self-deployed TiDB, but I find TiDB Cloud to be better than the self-deployed clusters.

I previously explored TiDB in self-deployment, which led me to evaluate TiDB Cloud as well before starting with it..”

Abishek S

database administrator at a tech services company with 51-200 employees

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“Before selecting TiDB Cloud, we evaluated a few other options including Amazon Aurora, Google Cloud Spanner, and a self-managed MySQL or PostgreSQL setup..”

Verified user

[Read full review](#) 

Operations Analyst at a non-profit with 51-200 employees

“We used MongoDB, MariaDB, PostgreSQL, and a long time ago MySQL. We also used Oracle on one of the products. There were probably the most questions with Oracle because support is very complex and everything is very dependent on versions. Now, as far as I know, TiDB is constantly updated and maintained, and basically there have been no problems. It looks seamless and is a one-button click.

Compared to MongoDB, there is basically no choice; you have to move away from MongoDB because the runtime behavior of the code in production and in development is very unexpected. The data volumes are huge, with collections of 12 million records and so on. Because you work with them in an unstructured way, their volume and the objects themselves changed, their type changed, and maintaining old records becomes impossible. This now causes a problem when moving to a relational database. If we had been on one from the beginning, there would be fewer problems. The main complaint about MongoDB is that it deserializes objects if it does not find the required indexes and just starts killing the server by memory..”

Ivan Makarenko

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Senior Solo Contributor Full-Stack Engineer at Casafari

ROI

Real user quotes about their ROI:

“I see a return on investment with TiDB Cloud as we reduce the time spent on maintaining and monitoring since everything is automated, including the auto-scaling feature when large workloads arise. Monitoring is deployed automatically, relieving us from manual monitoring responsibilities, which is a significant part concerning ROI..”

Abishek S

database administrator at a tech services company with 51-200 employees

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“In my organization, we reported a strong ROI after adopting TiDB Cloud. The return depends on the workload, scale, and what problems you are replacing. It eliminated manual sharding costs. Before, the team had to maintain complex sharding logic, but after TiDB Cloud, it was a simple architecture with automatic sharding. Infrastructure costs were also reduced. MySQL was replaced with TiDB Cloud plus TiFlash, which leads to fewer ETL costs. It provides better scaling; we avoided vertical scaling, which was expensive. TiDB Cloud allows scaling only when needed..”

AyushVerma

Software Engineer at GSS Academy, Noida

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Use Case

“Our main use cases for TiDB Cloud are handling large-scale transactional data and running real-time analytics on the same platform for scalable applications.

In one project, I used TiDB Cloud to support a GenAI RAG pipeline where we processed documentation, generated embeddings, and served responses. I helped monitor cloud workflows, managing deployment, configuring, and tracking pipeline performance to ensure stable response times and reliable processing..”

Verified user

Operations Analyst at a non-profit with 51-200 employees

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“My main use case for TiDB Cloud is to explore and learn about the product, since it is an open-source database. I wanted to understand how it works so I could illustrate and communicate about it effectively.

“The primary goal has been learning about TiDB Cloud so I could speak knowledgeably about it..”

Verified user

SDR at a outsourcing company with 51-200 employees

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“As a native TiDB user, I install TiDB on EC2 machines, but I wanted to see how TiDB Cloud helps in seamless integration with that ecosystem, so I conducted an experiment with TiDB with Vector and other features.

I have a use case where I wanted to try Vector Search, so I thought of using TiDB Cloud, and I conducted experiments and figured out the use cases for that..”

Sukan M

Senior DBA at Mafiree

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“I use TiDB Cloud for my PAT environment to test some features in TiDB.

I have used TiDB Cloud to test TiFlash and TiKV performance and compare that with PostgreSQL, which I am currently working with.

I explored features such as analytical query performance with TiDB Cloud, where I examined the options in distributed systems and how a distributed database can help with data processing and other tasks..”

Jethish K

Database Administrator at Mafiree

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“My main use case for TiDB Cloud is that I have used it for testing the vector search for my internal testing purposes, and I have also checked the high availability and auto scale features in TiDB Cloud.

In my internal testing, I have a scenario where I need to build a small application with vector search, and for that, I have deployed TiDB in the cloud using the vector search feature by feeding some text or content and training the model to fetch data with that vector search index.

Regarding my main use case, I find that although it is somewhat costly, TiDB Cloud is best for high availability use cases because we do not need to add the number of PD nodes or TiFlash nodes; it scales up according to our workload, and we do not need to worry about server crashes or resource over-utilization problems as it automatically scales up and down based on our workloads..”

Abishek S

database administrator at a tech services company with 51-200 employees

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“My main use case for TiDB Cloud is like any relational database, where we collect data. There is one project that was rewritten internally, and the whole new flow was built on TiDB, starting from the internal chat to working with record locking. In this system, there are real estate properties that we launch into a process called annotation, where real people reconcile them. There is a target estate and another listing that we found on some platform, and an annotator has to mark it. There is locking based on who opened and got this job, because after that some bonuses to the salary will be accrued and salaries will be recalculated. The entire full cycle is stored in TiDB.

Mostly in our small legacy SaaS solution we still use MongoDB, but I am an advocate of migrating everything possible to TiDB. The latest thing I did was implementing page views on TiDB using a batch that hangs in a cron job and runs via a queue written on Kafka.

My expertise is in widgets, which are small micro frontends to provide our services to clients on their site. These include a lead-magnet widget, a map widget, and an FSBO widget, which is an assistant-manager assistant and a tool for contacting the owner of the property to provide an expert evaluation and offer to become their agent..”

Ivan Makarenko

Senior Solo Contributor Full-Stack Engineer at Casafari

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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.

“It is not easy for our team to adopt TiDB Cloud because it is quite complicated. Even though you have provided very detailed documentation, it still takes us a lot of time to work through the whole document to establish best practices on TiDB Cloud..”

Verified user[Read full review](#) 

Senior Software Engineer at a tech vendor with 11-50 employees

“If it's self-hosted, the initial setup can indeed be a complex challenge. As you continue to maintain it, managing it becomes slightly easier. On the other hand, using a cloud provider might offer additional benefits compared to using an on-premise solution.”

Zaid Shaikh[Read full review](#) 

Software Engineer at Hinge Health, Inc.

“The initial setup with TiDB Cloud is straightforward; the manuals, documentation, and everything were much simpler and easier to execute, so I have not had a hard time doing that.

Performance-wise, I do not see a problem with TiDB Cloud because I already use TiDB on-premises, which is pretty much similar to TiDB Cloud, so I am not seeing much of a difference..”

Sukan M

Senior DBA at Mafiree

[Read full review](#) 

Customer Service and Support

“The technical support team is responsive. Whenever we have a query or something related to infrastructure, they come to the meeting and try to resolve our issue..”

Shailesh Shandilya

Principle Consultant at Verinite

[Read full review](#) 

“Customer support for TiDB Cloud has been good in our experience. We usually get timely responses through their support tickets, and for critical issues, the response time is quite fast, especially with their paid support plan..”

Verified user

Operations Analyst at a non-profit with 51-200 employees

[Read full review](#) 

“I have not interacted with customer support for TiDB Cloud yet, as I conducted some experiments and have not fully moved to production, hence I have not tested the customer support..”

Sukan M

Senior DBA at Mafiree

[Read full review](#) 

“When discussing customer support, I find that the TiDB community is very active compared to other databases. They quickly respond to questions or feature requests, and when I submitted bug reports, the community provided solutions within three business days, which I appreciate..”

Abishek S

[Read full review](#) 

database administrator at a tech services company with 51-200 employees

“Technical support for TiDB Cloud is actually quite good. Since it is an open-source tool, we have extensive documentation available on the internet and a supportive community you can reach out to. If you choose a cloud-hosted provider, they have a tech team and a support team that responds quickly and manages any issues that arise while you're working. As an open-source tool, TiDB Cloud has comprehensive documentation with answers to almost everything..”

Zaid Shaikh

[Read full review](#) 

Software Engineer at Hinge Health, Inc.

“I once contacted TiDB Cloud's customer support. Its reputation is considered strong, especially for enterprise and cloud users. My experience varied by support tier. There was 24/7 support available with quick response times and dedicated support engineers. The support was good and strong.

On a scale of one to ten, I would rate the customer support for TiDB Cloud at about a six. It is a good number. You get a fast response with paid plans. This was not the case with the free plans, but the paid plans were much more responsive..”

AyushVerma

Software Engineer at GSS Academy, Noida

[Read full review](#) 

Other Advice

“Everything is simpler to adapt in TiDB Cloud versus a normal TiDB, apart from that, I do not wish for anything else to be easier or more flexible. I would rate this review an eight out of ten..”

Sukan M

Senior DBA at Mafiree

[Read full review](#) 

“The most important advice I will give to others looking into using TiDB Cloud is that cluster-level knowledge such as distributed systems is necessary. We need to understand the architecture and the flow of data and other details about the cloud. Additionally, we need to know about analytical and transactional workloads, which is the most important thing about TiDB Cloud database because it is designed for that. My review rating for TiDB Cloud is eight out of ten..”

Jethish K

Database Administrator at Mafiree

[Read full review](#) 

“I would advise clearly evaluating your workload needs first, especially if you are dealing with high-scale transactional data or need real-time analytics, because TiDB Cloud performs best in those scenarios.

TiDB Cloud is a strong choice if someone needs scalability and real-time data handling without managing complex database infrastructure. I give this product a rating of eight out of ten..”

Verified user

Operations Analyst at a non-profit with 51-200 employees

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“The reason I choose a rating of nine is that there is always room to grow; you cannot overpraise. This is quite a high score in my opinion because I have not encountered any task that could not be solved in TiDB. Unfortunately, I do not have experience comparing it with competitors, but as far as I know, there are no impossible tasks.

As far as I know, our TiDB integrates automatically only with Big Data or BigCloud, though I do not remember exactly what the tool is called that business analysts work in. All these tasks, as far as I remember, are integrated manually. It would probably be beneficial to have a UI where the entire data synchronization process can be automated.

I rate this product a nine out of ten..”

Ivan Makarenko

Senior Solo Contributor Full-Stack Engineer at Casafari

[Read full review](#) 

“I would advise others looking into using TiDB Cloud to conduct a deep dive on a white paper and learn all the intricacies of your database. It makes sense to take a meeting to learn about it specifically for your environment, or do what I do and experiment with it in a test environment and then advance into a very informed meeting.

“The biggest thing about using TiDB Cloud depends on the context. I am discussing using it in a smaller instance, but if I consider some of the results they produced for databreaks or last scene, those are the significant opportunities down the line. I think those are the things I would highlight and show to illustrate what someone would look for.

“Since TiDB Cloud is open source and we are using the open-source free version, we have not adopted anything from a paid perspective, and I do not have that need for it yet.

“I would rate this product an 8 out of 10..”

Verified user

SDR at a outsourcing company with 51-200 employees

[Read full review](#) 

“I would rate TiDB Cloud 10 out of 8; the two points I reduced are due to cost concerns and issues related to user-friendliness.

I take off those two points mainly because of the cost and the user-friendliness issues experienced.

My advice to others considering TiDB Cloud is to keep the cost in mind. If cost is not a concern, I believe TiDB Cloud is the best option among traditional databases due to its distributed architecture which supports high availability and auto-scaling. I also think the TiFlash engine is a good choice for analytical data loads, so I strongly suggest going with TiDB Cloud.

The only additional thought I have is regarding the cost since many customers are worried about it.

I think the questions asked for the reviews are good, but it would help if you waited longer for answers, as sometimes you move to the next question too quickly.

My overall rating for TiDB Cloud is 8 out of 10..”

Abishek S

database administrator at a tech services company with 51-200 employees

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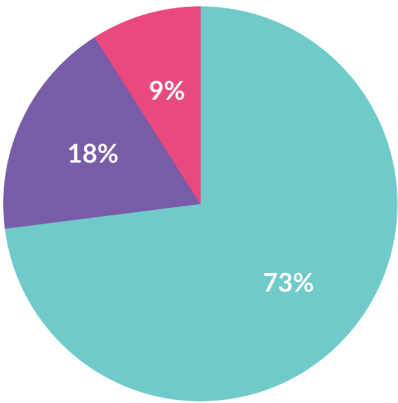
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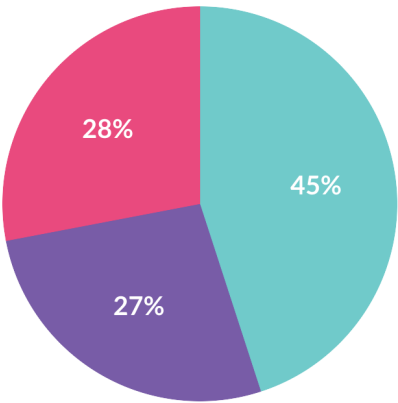


Company Size

by reviewers



by visitors reading reviews



Large Enterprise

Midsize Enterprise

Small Business

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