

aws marketplace

TiDB Cloud

Reviews, tips, and advice from real users



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Product Recap



TiDB Cloud

TiDB Cloud Recap

Unleash the power of AI-generated SQL and Serverless HTAP in a single cloud-native database. Experience real-time analytics and elastic scaling, all in a fully managed service. Elastically and transparently scale to hundreds of nodes for critical workloads without changing business logic.

Use what you know about SQL – maintain your relational model and global ACID transactions while coping with your hybrid workloads at ease.

Equipped with built-in high performance analytics engine to analyze operational data without using an ETL.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

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



Ece Ece

Software developer at Student

- ✓ “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.”



Verified user

database administrator at a tech services company with 11-50 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

- ✔ “TiDB Cloud has a broader scope that offers multiple services. It can be compared to major cloud providers like AWS, Microsoft Azure, and GCP.”



Zaid Shaikh

Software Engineer at Hinge Health, Inc.

- ✔ “There are cost savings because of TiDB Cloud; we save a lot of money on hardware, we need fewer employees for maintenance, and we have less downtime which helps our business be much more successful.”



Verified user

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

What users had to say about valuable features:

“In my experience, the best feature TiDB Cloud offers is that whenever we want to scale up or scale out our database, it is very simple—just a simple click, and it will scale out automatically.


I appreciate the speed of the scaling feature because it is very fast, and the lack of downtime is also my favorite aspect.

There are cost savings because of TiDB Cloud.

I would like to share some specific details on the cost savings: first, we save a lot of money on hardware, second, we have fewer employees needed for maintenance, and third, we have less downtime which helps our business be much more successful. These are all advantages that TiDB Cloud provides..”

Verified user

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

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“The best features TiDB Cloud offers are the possibility to easily reuse information in different documents, which really stands out to me.


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.

TiDB Cloud has positively impacted my organization by improving documentation management. It is better than the previous system where documents were developed using Word or Interleaf, as using TiDB Cloud allows us to have everything stored in a good archive that we can read and use for new projects.

The improved archive and accessibility help my team by saving time, mostly because we can find information more easily than before..”

Massimo Aroni

PM at a manufacturing company with 10,001+ employees

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“TiDB Cloud offers horizontal scalability. You can scale TiDB Cloud simply by adding more nodes with no manual sharding. That is a significant advantage over traditional MySQL setups. It also supports MySQL compatibility, as it supports the MySQL protocol and syntax. It has hybrid transactional and analytical processing for real-time analytics on data, so no separate data warehouse is needed. It supports ACID transactions and high availability.

Another feature of TiDB Cloud is the cloud-native design. It works smoothly with modern infrastructures such as elastic scaling, container-ready orchestration, and microservice architecture. It separates the SQL layer from the storage layer for independent scaling and a flexible architecture. It is an enterprise-grade design.

TiDB Cloud has positively impacted my organization, especially where massive scale and real-time analytics were needed. It powers core cloud services. We have used HTAP workloads, what we call STAP workloads, or the cloud-managed service. My job was to handle the cloud network for financial data..”

Ece Ece

Software developer at Student

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“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..”

Verified user

database administrator at a tech services company with 11-50 employees

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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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“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

“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..”

Verified user

database administrator at a tech services company with 11-50 employees

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“I basically worked with other solutions before using TiDB Cloud. We used MySQL, but after experiencing TiDB Cloud's automatic sharding, I did not go back to MySQL. TiDB Cloud was giving me the features and performance I needed most. I did not need to look for another one.

I worked with MySQL before choosing TiDB Cloud. It used vertical scaling, so it was a costly and not very cost-friendly solution compared to TiDB Cloud. It was a single node or master-slave setup. It was simple to start with MySQL, and it was a familiar ecosystem. After using TiDB Cloud, I did not switch to anything else because of its compatibility and ease of migration..”

Ece Ece

Software developer at Student

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“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

Senior Solo Contributor Full-Stack Engineer at Casafari

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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..”

Verified user

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database administrator at a tech services company with 11-50 employees

“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..”

Ece Ece

[Read full review](#) 

Software developer at Student

Use Case

“My main use case for TiDB Cloud is developing technical documentation related to vehicle services, such as buses and trucks for Iveco.

TiDB Cloud helps with that process as it is a Content Management System, which allows me to organize all the information in a chaptering structure. I start from the Bill of Materials of the vehicle and use drawings released by engineering to develop technical documentation for owner manuals, service manuals, and similar materials..”

Massimo Aroni

PM at a manufacturing company with 10,001+ 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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“In production, we use the cloud, but in other environments like development and integration, we use self-managed. We store quite a lot of data on TiDB Cloud because it is a scalable database that supports tons of data with online and offline analysis, and online transactions.

Our company focuses on transportation support, with many sensors installed on cars and trucks that collect a lot of data about them. Truck owners can then use this data to analyze their cars and their business to support and grow their business.

I would like to share how we calculate the speed of the car and the value of the truck, as all the CRUD operations about the data happen in TiDB Cloud..”

Verified user

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

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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..”

Verified user

database administrator at a tech services company with 11-50 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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“TiDB Cloud is basically used for building scalable, high-availability databases that combine the strengths of OLTP. The main use cases would be for HTAP workloads, STAP workloads, distributed SQL systems, cloud-native databases, or large-scale databases. I have implemented it in making analytics dashboards and e-commerce platforms.

I use TiDB Cloud for analytics dashboards because it supports hybrid transactional and analytical processing. You can query fresh transactional data in real-time without ETL delays. For data ingestion, applications write transaction data into TiDB Cloud. It supports the MySQL protocol, which is easy for integration. It also replicates data to TiFlash for columnar storage with OLTP queries. It has query layers and is useful for visualization tools such as Grafana, which can connect to TiDB Cloud as a data source.

I have also been working on a financial payment system in my personal project. It uses high transactions, ACID consistency, and real-time fraud checks. TiDB Cloud provides strong consistency and high availability. For one of my e-commerce platforms, I used it for inventory tracking and user activity tracking for horizontal scaling. It handles sudden loads well..”

Ece Ece

Software developer at Student

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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

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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

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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

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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

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“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

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“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..”

Verified user

database administrator at a tech services company with 11-50 employees

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“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

Software Engineer at Hinge Health, Inc.

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“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..”

Ece Ece

Software developer at Student

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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

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“Overall, I would rate it a seven out of ten.

Because it is open source, I can recommend it to those who are looking for a cheap product and don't want to invest heavily in a database.

However, if they use TiDB, they need to plan their development so that most of the logic is written on the application side, as TiDB does not support features like functions and procedures. If they are comfortable with that approach, then it's fine..”

Shailesh Shandilya

Principle Consultant at Verinite

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“There are a few pitfalls and some complexity, but overall it's highly recommended. It's particularly useful for tracing the applications and use cases of complex data.

I recommend the solution. The advice is to use TiDB Cloud for any product or evaluate it based on your use cases. Consider what is important for you: whether you can manage it yourself or prefer to delegate those efforts to your provider, who will handle things for you. TiDB Cloud is powerful for connecting your metrics to understand behavior, both on the product side and the insight engineering side. Additionally, TiDB Cloud is useful for identifying issues if something goes wrong.

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

Zaid Shaikh

Software Engineer at Hinge Health, Inc.

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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

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“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..”

Verified user

database administrator at a tech services company with 11-50 employees

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“I would rate TiDB Cloud overall at an eight out of ten. It has pretty good horizontal scaling and OLTP use.

TiDB Cloud stands out because it combines traditional SQL reliability with modern distributed scaling. Most systems separate OLTP and OLAP, but TiDB Cloud runs both. It also has MySQL compatibility. There is no manual sharding. Other manual distributed databases sacrifice consistency, but TiDB Cloud provides full ACID, distributed transactions, and Raft replication. That makes it stand out from others.

TiDB Cloud is typically deployed in my organization as a distributed cluster to support high availability. In my company, there was a standard deployment architecture with a service layer behind a load balancer. The second layer was TiKV for distributed storage. TiFlash was optional, but we used it for fast OLAP queries. There were also placement drivers.

TiDB Cloud is a strong, modern distributed SQL database. Its real value appears only at scale, with balanced workloads or on a rapidly growing SaaS platform. It really shines there for high-concurrency and mixed workloads.

I would tell others looking into using TiDB Cloud that it supports horizontal sharding and node replicas. Use TiDB Cloud for write-heavy workloads, as it outshines others for things such as high-concurrency OLTP and high-throughput data. Benchmark real queries and validate the HTAP benefits. This prevents surprises in production. Plan for proper cluster sizing.

We worked mainly with [Azure](#) for TiDB Cloud. My overall rating for this product is eight out of ten..”

Ece Ece

Software developer at Student

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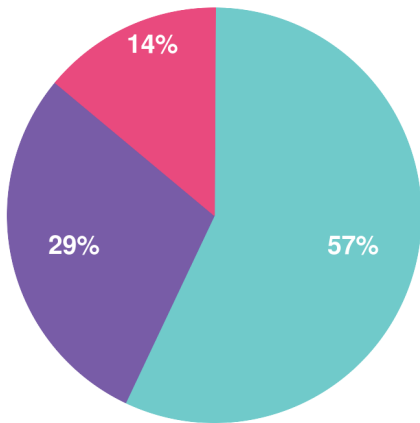
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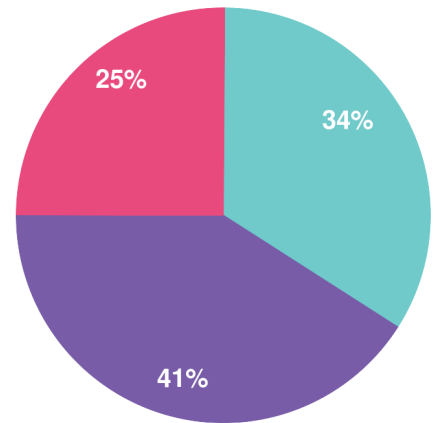


Company Size

by reviewers



by visitors reading reviews



Large Enterprise Midsize Enterprise Small Business

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