aws marketplace

MariaDB on CentOS

Reviews, tips, and advice from real users






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Product Recap

MariaDB on CentOS

MariaDB on CentOS Recap

MariaDB on CentOS is a reliable database system that offers robust performance and flexibility for modern application development. It stands as an open-source option for those seeking a stable and scalable database on the CentOS platform.

With MariaDB on CentOS, users benefit from advanced database management features. It's popular among enterprises that require efficient handling of large datasets without compromising on performance and stability. CentOS offers a dependable operating environment that complements MariaDB's database capabilities, making it an ideal choice for businesses looking to leverage open-source technologies for their data solutions.

What are the key features of MariaDB on CentOS?

- Open Source: Provides flexibility with free access to source code and no licensing fees.
- Scalability: Easily scales to meet growing data requirements and workloads.
- High Availability: Built-in clustering and replication ensure database uptime.
- Security: Offers advanced security features like encryption for data protection.
- Performance Optimization: Enhancements for faster query processing and indexing.

What benefits or ROI should users look for?

- Cost-Efficiency: Reduces expenses by eliminating licensing costs.
- Community Support: Strong community leads to quick issue resolution and innovation.
- Integration: Easily integrates with existing systems to streamline operations.
- Flexibility: Adapts to different data processing needs without vendor lock-in.
- Reliability: Proven track record of stable operation in diverse environments.

MariaDB on CentOS is widely used in technology-driven industries such as finance and telecommunications, where secure and efficient data handling is crucial. Businesses in e-commerce and healthcare often implement it to manage large-scale databases that require daily updating of sensitive information. Its open-source nature and community backing are appealing to organizations looking to maintain competitive advantage while being cost-conscious.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- "With 10 years of experience with the product, I think the biggest advantage is that it is easier to maintain than Oracle."

David Massiani

Performance Testing And A PM Expert at ADM

- "MariaDB on CentOS is a very good SQL database that is open source, meaning no license cost for users."

Giovanni Baruzzi

Owner at Syntlogo GmbH

- "MariaDB on CentOS has positively impacted our organization in several ways."

Yash Khatri

Senior Software Developer at a tech services company with 501-1,000 employees

- "MariaDB on CentOS has positively impacted my organization by providing more features compared to Oracle MySQL, particularly in terms of performance, advantages, and implemented features, leading to migrations from Oracle MySQL to MariaDB on CentOS."

Verified user

D V A 3 at a university with 1,001-5,000 employees

- "MariaDB on CentOS is almost identical to MySQL, and the experience is very similar."

KhanKhan

Senior Full Stack Software Engineer at BaliaTech

- "MariaDB on CentOS is faster than Oracle."

Prabhat-Ranjan

Architect at LTIMindtree

What users had to say about valuable features:

"With 10 years of experience with the product, I think the biggest advantage is that it is easier to maintain than Oracle. Both Postgres and MariaDB are definitely embedded with Docker, and it is really easier to change, modify, and maintain than Oracle.."

David Massiani
Performance Testing And A PM Expert at ADM

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"Deploying MariaDB on CentOS has no complexity. However, migrating from Oracle to MariaDB on CentOS, which is for the company only and not for public access, presented many difficulties. The code formats are different between the two systems, and both functionalities are different. Many functionalities are not available in MariaDB on CentOS, so those aspects needed to be rewritten, particularly Oracle proprietary features.

"MariaDB on CentOS supports JSON. MariaDB on CentOS is faster than Oracle.."

Prabhat-Ranjan
Architect at LTIMindtree

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"MariaDB on CentOS is almost identical to MySQL, and the experience is very similar. However, I found that MariaDB on CentOS performs better than MySQL in production. If you use MySQL, I would recommend moving to MariaDB on CentOS as it will give you better performance in production. The switch is not a big deal, but MariaDB on CentOS performs significantly better than MySQL in production environments.."

KhanKhan
Senior Full Stack Software Engineer at BaliaTech

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"The Galera Cluster feature has helped me with high availability because it is stable, requiring at least three servers to have a stable cluster. If one member of the cluster stops for any reason, the service continues working, and as you restart the server, it synchronizes everything with the other members. It is very well designed; while it is a complex feature and is documented, every improvement in this area would be helpful, and this is a suggestion for the Galera and MariaDB on CentOS developers.

"MariaDB on CentOS is a very good SQL database that is open source, meaning no license cost for users. There are even commercial editions that offer support, but basically, you do not need to pay any license. It is very dependable and very clear.."

Giovanni Baruzzi
Owner at Syntlogo GmbH

Read full review

"The best features MariaDB on CentOS offers, in my experience, include high availability, which is highly compatible, such as MaxScale, along with features including auto-failover and auto-switchover.

Regarding my experience with MaxScale, we set it up for high availability in the production environment using the 2.x version and the latest version with a GUI, making it an advanced feature for high availability, especially when the master goes down, allowing the slave to take over read and write mode automatically, without any interaction or impact on the application side.

In terms of additional features such as performance and security, MariaDB on CentOS provides strong security measures, including the setup of SSL and encryption, which I have implemented in the production environment, along with more complex management features such as data encryption, TDE, and SSL.

MariaDB on CentOS has positively impacted my organization by providing more features compared to Oracle MySQL, particularly in terms of performance, advantages, and implemented features, leading to migrations from Oracle MySQL to MariaDB on CentOS.."

Verified user

D V A 3 at a university with 1,001-5,000 employees

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"The best features MariaDB on CentOS offers is that it is a default database, so we can easily install it. It was a seamless installation out of the box. The other thing which we need and which MariaDB provides is the speed. For pooling and handling multiple connections on a single instance, MySQL and some other services provide their enterprise edition that we need to pay for. However, for MariaDB on CentOS, it is freely available and built-in. With respect to that, it is all seamless. We do not need to pay for anything, and we are utilizing the best connection pooling capability. We also got some performance speeds over our queries. It is also very much compatible. It is all the same as MySQL. It fully supports MySQL. It is already compatible with our previous projects, and if we introduce some new kind of thing, it can handle everything.

MariaDB on CentOS has positively impacted our organization because we were on a different relational database and that was not holding that much connection and that much speed. After implementing MariaDB, it gives us so much ease to handle those issues. It has things inside it so we do not even need to change the configuration; it handles it with very ease. The replication thing is very good, and we have fewer read replicas because of the connection handling. The reader latency is very less. We do not get any idea that the data we are fetching from a master to a slave instance is different because the reader latency is very less.

The primary thing that we got from MariaDB on CentOS is the connection handling capability. The connection was dropping, so that is totally resolved. We did not even find any single instance of this type of case after implementing MariaDB. The second thing is the speed. Sometimes it performs faster. When we do EXPLAIN and everything, it shows us what indexing it has been using, and they are much more efficient than the other relational database. It handles everything in a good way. It is a balanced configuration. By default, it provides a balanced configuration, so we do not need to look into that side. The faster query speed and the better replication feature that is open source, and we also have community support for that. The security updates are very fast. It also supports storage engines for different types of data we can simply use. One of the things that is not ideal is that the version which is default is sometimes older than the very latest.."

Yash Khatri

Senior Software Developer at a tech services company with 501-1,000 employees

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Other Solutions Considered

"We were considering MongoDB as another option. These are just document databases, and they can scale with clusters and everything, but for reliability, we need a relational database. That is why we chose MariaDB on CentOS.."

Yash Khatri
Senior Software Developer at a tech services company with 501-1,000 employees

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"Before using MariaDB on CentOS, I used both MS SQL and PostgreSQL; if the customer absolutely wants MS SQL, we make the installation with MS SQL, but if the customer asks me what the preferred solution is, I am going to suggest MariaDB on CentOS.."

Giovanni Baruzzi
Owner at Syntlogo GmbH

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"We were on RDS clusters, and they were very good initially, but they have their drawbacks. With respect to that, we switched to MariaDB on CentOS.

We were thinking to switch from relational databases to document-based databases before choosing MariaDB on CentOS.."

Yash Khatri
Senior Software Developer at a tech services company with 501-1,000 employees

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"I have used MySQL, MariaDB on CentOS, and PostgreSQL. When comparing MariaDB on CentOS with MySQL, I found that MariaDB on CentOS performs better than MySQL. I do not think any other database performs better than MariaDB on CentOS when compared with MySQL, which is why I give it a 10.."

KhanKhan
Senior Full Stack Software Engineer at BaliaTech

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Use Case

"I always use MariaDB on CentOS for performance testing, as my main job is to analyze all the issues after the load test. Performance testing is the central use case.."

David Massiani
Performance Testing And A PM Expert at ADM

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"MariaDB on CentOS is used in a hybrid cloud and public cloud environment. It has been deployed in AWS and DigitalOcean, installed separately rather than as a managed service.."

KhanKhan
Senior Full Stack Software Engineer at BaliaTech

Read full review

"I use MariaDB on CentOS as a database for other applications, and in our field, we need absolute availability. MariaDB on CentOS offers, with an additional product called Galera, a very dependable solution, and I am very enthusiastic about it.

"At the moment, I am setting up a cluster of MariaDB on CentOS.."

Giovanni Baruzzi
Owner at Syntlogo GmbH

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"My main use case for MariaDB on CentOS in my last organization was in the telecom domain, where clients mainly focused on the database called MariaDB, for which we set up on-premises servers running on CentOS with various versions.

A specific example of how I used MariaDB on CentOS in my telecom projects is that we employed it for replication with high availability, setting up high availability for the production environment, including auto-failover and auto-switchover.

Additionally, we also used MariaDB on CentOS in the cloud environment, managing a couple of tables with terabytes of data by modifying and adding columns, new indexes, and other tasks, which were all part of my use cases.."

Verified user
D V A 3 at a university with 1,001-5,000 employees

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"MariaDB on CentOS was introduced to me about three years ago when we were finding a proper solution for a relational database that can be reliable and open source.

We primarily use MariaDB on CentOS for transaction storage, specifically for payments that are being created. We are using it in our projects involving iGaming and finance. We are primarily using it for reliability.

When we were looking for a reliable database, what we found is that on CentOS, MariaDB is the default and it is faster in some cases than regular relational databases with respect to some queries. For our business logic, we need to have querying capabilities that provide cumulative reports based on the transactions we are having. We have so many transactions, approximately one million transactions in a day. Because every operator that has been using it is using the same database, we need to create cumulative reports for their respective operators to provide them a daily analysis of what has been transacted, gross revenue, net revenue, and other metrics. From there, we started using MariaDB on CentOS.

We consider MariaDB on CentOS as the first way to implement solutions. For every business, we consider MariaDB as our primary database. Although we have MongoDB and other things, those are just for collecting data. For reliable data solutions, we only consider MariaDB on CentOS.

MariaDB on CentOS is deployed in our organization not on-premises. It is on AWS, and we also have an instance in GCP. We use AWS most for MariaDB on CentOS.

Our client purchased MariaDB on CentOS through the AWS Marketplace. I do not have access to that information.

On RDS and AWS, we were having so many instances that handled the connection pool. What happens sometimes is that the pool gets exceeded and the RDS cluster cannot handle it. It spins up a new reader instance. We have a master-slave architecture, so with respect to that, it creates and spins a new reader instance, which takes time, and then after that, it allows that connection to be working.

However, in between that, we lose speed because we do not hold that many connections if our load increases. This happens only at night. When we are sleeping, the connection goes up and with respect to that, the system gets down for a while just because of connections. For this issue, we need to pay. The alternate and the best solution we found was MariaDB on CentOS, which handles all this with ease. After implementing this, we did not find any issues of this type.

MariaDB on CentOS is very much scalable. We can have multiple reader instances, and we follow a master-slave architecture for a relational database. There is only one master, and there is too much load being handled seamlessly, and with respect to that, it is working as expected.."

Yash Khatri

Senior Software Developer at a tech services company with 501-1,000 employees

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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.

"I have never used MariaDB on CentOS on CentOS, but I have used MariaDB on CentOS on other operating systems. I used MariaDB on CentOS mainly on Ubuntu, not on CentOS.."

KhanKhan

Senior Full Stack Software Engineer at BaliaTech

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"My experience with the initial setup of MariaDB on CentOS is that it is complex, but the documentation is better than PostgreSQL. It is highly standard SQL, so it is not really a difference; I am more of an infrastructure person than a database person. I am interested in stability, not the language, and I find the good standard SQL from my point of view is acceptable.."

Giovanni Baruzzi

Owner at Syntlogo GmbH

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Customer Service and Support

"I have never gotten in touch with technical support for MariaDB on CentOS because I was able to solve the problem autonomously. I did not need that, but they send me from time to time mailings or making offers, which is perfectly appropriate.."

Giovanni Baruzzi
Owner at Syntlogo GmbH

Read full review

"The customer support experience was great with MariaDB on CentOS. I did not even need to connect to customer support. The communities and the blogs are already available, and we referred to those to accomplish what we needed. We did not even need to use customer support, so that is a positive aspect.."

Yash Khatri
Senior Software Developer at a tech services company with 501-1,000 employees

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"The technical support or community support for MariaDB on CentOS is bad. There is a main problem with all the companies that sell this kind of tool and services. The first level of support is the first one you reach. When you begin to have a more difficult problem, there is no one available because sometimes you need to update the call and recall on it. This is not good because when we have some big problem on the database, we need to have a database administrator, not a person who reads instructions on the screen. It is always the same problem. My rating is two.."

David Massiani
Performance Testing And A PM Expert at ADM

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Other Advice

"I believe I have covered every important aspect to discuss, and I do not have anything else to add. I was offered a gift card. My overall review rating for MariaDB on CentOS is 10.."

KhanKhan
Senior Full Stack Software Engineer at BaliaTech

Read full review

"I work with MariaDB on CentOS, Oracle, and Postgres. CentOS is an operating system. I am working for a company that purchased MariaDB on CentOS more than four years ago. My company is not a partner, but my client is a partner.."

Prabhat-Ranjan
Architect at LTIMindtree

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"I can share that after switching to MariaDB on CentOS, we saw great advantages in terms of high availability performance, particularly compared to other operating systems such as Linux and Unix platforms.

On a scale of one to ten, I would rate MariaDB on CentOS an eight. I chose an eight out of ten for MariaDB on CentOS because, as I mentioned earlier, the performance level, advantages, and features implemented in MariaDB on CentOS are well supported on the CentOS platform.

For my deployment, the cloud provider I use is AWS. I gave the overall product a rating of eight out of ten.."

Verified user
D V A 3 at a university with 1,001-5,000 employees

Read full review

"MariaDB on CentOS is very much stable. If you need benefits related to fast queries and connection handling as well as scalability, you should switch to MariaDB on CentOS if you are having so many connections and you need faster queries.

I cannot say it is as general as other relational database services, but we need to just find it. It should be defaultly available because it is providing so many features that we required. It should be highlighted more prominently. Regarding metrics, for the pooling connections and everything, we did not face any issues.

One more drawback that I can mention about MariaDB on CentOS is that some very specific tools, if we need to connect any client with something like MySQL Workbench or DBeaver, it shows some kind of warning about a version mismatch. They do work, but sometimes it shows a warning which we encountered. That does not make any logical sense, but it definitely shows a warning.

I have shared everything about MariaDB on CentOS, and overall, it is a good solution. We are happy to use it. I would rate this solution an eight out of ten.."

Yash Khatri
Senior Software Developer at a tech services company with 501-1,000 employees

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"I am working with many technologies, including a quite old and stable technology named LDAP, Lightweight Directory Access Protocol, and some relatively new technologies for us, such as a Linux database called MariaDB on CentOS. Every day I encounter new technologies.

"I have not tested MariaDB on CentOS with a very high volume, but I test technologies and if I find a good technology, I offer that to the customer, and the customer can ask me to test this with X millions of objects. Basically, I stick with the feature that I need most, which is reliability and cluster capability.

"Overall, for MariaDB on CentOS, I am certain I can vote 10. CentOS is very good, even a 10, but I must inform you that CentOS is moving away and transitioning to followers of CentOS called Rocky Linux or other names. At the moment, I was forced to migrate from CentOS to Rocky Linux. A very interesting question for everybody would be a comparison between the open source Linux distributions, such as Fedora, SUSE, Rocky Linux, and Ubuntu, which is in high demand. I would rate my overall experience with MariaDB on CentOS as a 10.."

Giovanni Baruzzi
Owner at Syntlogo GmbH

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"I am working with some testing tools today, and it is always the same tools. The big ones are LoadRunner and NeoLoad, and for APM I use Dynatrace. I also work with Grafana, but LoadRunner is my primary testing tool.

"JMeter is an open source tool, and LoadRunner is from OpenText. I have not been using LoadRunner in the cloud. I work with Micro Focus solutions apart from LoadRunner. I use functional testing solutions such as HP ALM.

"In terms of APM and performance monitoring, I work with LogicMonitor. I may also work with tools like New Relic and Dynatrace for performance monitoring, and Apache SkyWalking for performance. I work with backup solutions, storage, and database tools.

"I have experience with CentOS, Debian, Ubuntu, and similar products. I have been working with MariaDB on CentOS for 10 years. I use Galera Cluster as a feature of MariaDB on CentOS. I cannot answer about the largest volume because I have never used MariaDB on CentOS with the largest volume. My experience with the largest volumes is only with Postgres and Oracle.

"Postgres is easier for me because of the modification of requests. I do not know the difference about the license, as licensing is not my area. I use and maintain MariaDB because I am not really aware of the price of MariaDB license or Postgres

licensing.

“If asked to rate MariaDB on CentOS from zero to ten, with ten being the best, I would give it a rating of seven. The compatibility with MariaDB on CentOS and SQL is good. I do not have experience with MySQL currently because the most database that I work with now is Postgres. I do not know about the advanced security features of MariaDB on CentOS because I do not work on security and am not skilled to answer that.

“I use AWS as my cloud provider. I do not have experience with AWS Marketplace as it is not my area.

“My overall experience with MariaDB on CentOS is seven. My review rating for MariaDB on CentOS is seven..”

David Massiani
Performance Testing And A PM Expert at ADM

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Company Size

by reviewers

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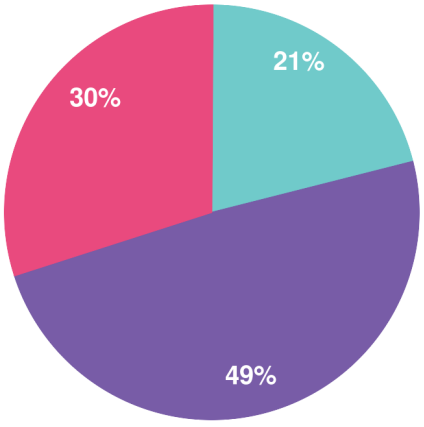

Large Enterprise Midsize Enterprise Small Business

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