

aws marketplace

MinIO

Reviews, tips, and advice from real users



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Product Recap



MinIO

MinIO Recap

MinIO is an open-source object storage system. It is designed to efficiently store and retrieve unstructured data, such as photos, videos, and backups. MinIO can be used as a standalone object storage server or as part of a larger system, such as a data lake or a private cloud, and can be deployed on-premise, in the cloud, or in a hybrid environment, making it a flexible storage solution for a variety of use cases.

MinIO's features include erasure coding, bitrot protection, and checksum validation, which help ensure data integrity and reliability. The solution's multi-tenancy support makes it ideal for multi-user environments. MinIO's edge computing tools enable data storage and processing closer to users' locations, reducing latency and improving performance. MinIO can easily scale to accommodate storage and power demands, making it ideal for use in large-scale, data-intensive environments.

MinIO Benefits and Features:

MinIO offers several key benefits and features for organizations looking for a scalable and high-performing object storage solution:

- **Scalability:** Horizontally scale to increase storage space and processing power as your needs grow.
- **High performance:** MinIO's edge computing and low latency provide fast data access.
- **Seamless integrations:** MinIO is compatible with the Amazon S3 API, which enables integration with third-party systems and tools.
- **Data integrity:** Security features, such as erasure coding, bitrot protection, and checksum validation, ensure data integrity and reliability.
- **Reduced costs:** MinIO is an open-source solution, making it a cost-effective option for organizations looking for a scalable object storage solution.
- **Support:** MinIO's large open-source community of developers and users provides a wide range of resources and an active support network
- **Multi-tenancy:** Multi-tenancy support makes MinIO suitable for use in multi-user environments.
- **Easy deployment:** MinIO is easy to deploy and can run on a variety of platforms, including on-premise, in the cloud, or in a hybrid environment.
- **Access control:** Role-based access control, enabling you to control access to data based on users permissions.

- **Event notifications:** Automate workflows based on changes to objects in your storage.
- **Cross-region replication:** Duplicate data between different regions for disaster recovery and data backup.
- **Intuitive interface:** MinIO's user-friendly dashboard can be accessed via any browser and can be used to perform multiple object operations including object creation and management.

Reviews from Real Users

MinIO stands out among its competitors for a number of reasons. Several major ones are its flexibility, integration options, and performance.

Süleyman Fazıl Y., a senior software engineer at a tech services company, writes, “The most valuable features are that MinIO is open, it works on-premise, and is [compatible with the Amazon industry](#) which is great for finding compatible libraries in many languages which is very good for developers.”

Rebecca S., CTO at NIASE, says, “MinIO is much improved over the prior solution, updates are simple to apply, and we anticipate that future capacity requirements will be easier to meet. Our customers are using this solution to retrieve tens of thousands of objects (documents and files) per hour, and [MinIO seems to be able to keep up with it.](#)”

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “I use the solution's basic object storage functionalities, like AWS S3 compatible APIs and creating buckets.”



Abdelrahim-Ahmad

Data Scientist at a tech vendor with 501-1,000 employees

- ✓ “MinIO is easy to install and use, especially for standalone installations.”



Aleksandr Motuzov

Head of Data Science center of excellence at Ameriabank CJSC

- ✓ “The product does save time for our company.”



Ashis Parajuli

Vice President, Artificial Intelligence at DLytica Inc.

- ✓ “Very good at object retrieval.”



Rebecca Sutter

Chief Technical Officer at NIASE



“I like that if you have a problem, you can buy the home server. It is stable and robust.”



Wichein W.

Senior Operation Manger at Thai Trade Net



“It performs efficiently compared to other solutions.”



Mostafa Ghadimi

Data Engineer at Mofid



“The tool’s integration is very easy. This feature has helped us reduce development time. The solution also has many out-of-the-box features like versioning support and management of roles and permissions. The product also supports clustered deployment.”



Naveed Tejani

Founder & CEO at Unikrew Solutions

What users had to say about valuable features:

“This is an all-in-one, user-friendly data storage solution. It provides high throughput to access data. We tend to use AI and some of the resource-intensive applications related to data, like analysis and visualization. I like the S3 API..”

AbdelrahimAhmad

Data Scientist at a comms service provider with 51-200 employees

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“The most valuable features are that MinIO is open, it works on-premise, and is compatible with the Amazon industry which is great for finding compatible libraries in many languages which is very good for developers..”

Süleyman Fazıl Yeşil

Senior Software Engineer at a tech services company with 1,001-5,000 employees

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“MinIO's most valuable feature is that we can send a lot of detail in the bottom of the core of the end-point, in a way that is easy and interactive. It also saves a lot of time in generating and managing documents..”

Verified user

IT Manager at a wholesaler/distributor with 51-200 employees

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“The most valuable feature of the solution is that it offers features similar to the ones offered by Amazon S3. In my company, we needed a tool that we could deploy on a hybrid environment consisting of a private cloud. The solution's use in a hybrid environment is great..”

Ashis Parajuli

Vice President, Artificial Intelligence at DLytica Inc.

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“MinIO is easy to install and use, especially for standalone installations. It supports S3 API integration, which makes it compatible with various data science tools and simplifies the organization of storage classes in Kubernetes..”

Aleksandr Motuzov

Head of Data Science center of excellence at Ameriabank CJSC

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“The container installation features are good. The S3 feature provisions the storage buckets making it easy. It allows me to spin up the public buckets with open-source technology.

Another valuable feature of MinIO is Erasure Coding which is comparable to enterprise-based systems..”

Joe Quail

Solutions Architect at Signal Technology Group

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Other Solutions Considered

“I was using Amazon's S3 and nothing really seemed to work as well as this, until MinIO, the product is comparable. The main reason I switched to MinIO was that it is open source..”

Joe Quail

Solutions Architect at Signal Technology Group

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“MinIO's cloud version has a couple of competitors, like Google File System and Amazon S3, which are cheaper than MinIO. There are no alternatives to MinIO's on-premises version. There are some, but they have a different model. What makes MinIO unique is its compatibility with Amazon S3..”

Abdelrahim-Ahmad

Data Scientist at a tech vendor with 501-1,000 employees

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“We were using OpenStack, Shift, and Keystone. They provided an optic-storage solution, but it's fairly complicated to install and to maintain and to upgrade. Performance wasn't great either because of our type of setup, so we decided to check MinIO out, and the managers liked it. We ended up implementing..”

Renich Bon Ćirić

FOSS Consultant & Creative Commons Musician at EVALinux

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“Compared to SAS, MinIO is more straightforward from the developer side. It's easier to work with API. Most file solutions are similar when it comes to storage and how they work with ChAS SCP and Java. And when I compare, I'm trying to understand what the goal is and what level the developer should be working on with one of the solutions. I think MinIO is easier to use compared to Java API or for working this fast..”

Verified user

Software Architect at a transportation company with 10,001+ employees

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“We compared MinIO with a number of other object stores and it offered some performance advantages and a degree of simplicity which was very appealing. We implemented a four server failover cluster and we migrated all of the documents into MinIO which took us about three months. We're currently running a validation process before we remove the old object store by doing a byte by byte comparison of the objects from the old store and the new store. Because it's such a time-consuming process, it's only about 25% done and we anticipate it'll take another three or four months before it's complete..”

Rebecca Sutter

Chief Technical Officer at NIASE

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“I previously worked with Hadoop which I found to be a little bit more complex than MinIO which is easier to use. I chose MinIO because I like the S3 API. We were looking for an all-in-one solution to backup or to carry out disaster recovery, and to have a place where we can store a new dataset for analysis and something for big data and AI.

I generally recommend it in favor of Hadoop Distributed File System because I can see more benefits and it's a little bit cheaper if you download it on-premises compared to Amazon S3..”

AbdelrahimAhmad

Data Scientist at a comms service provider with 51-200 employees

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ROI

Real user quotes about their ROI:

“I cannot say if I have seen a return on investment from the use of the solution since it is not a paid product. My company uses the open-source version of the product. The product does save time for our company..”

Ashis Parajuli

Vice President, Artificial Intelligence at DLytica Inc.

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Use Case

“We are using this solution as a data link, to store data in a structured dataset. We've been testing the functionalities and how we can integrate our system into it. We are customers of MinIO and I'm a data scientist. .”

AbdelrahimAhmad

Data Scientist at a comms service provider with 51-200 employees

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“We use MinIO as a cloud storage solution specifically for our data science team. It helps us share data and organize segregation of duties and security rules based on the S3 API and credentials. We leverage it to manage access and role-based models, among other tasks..”

Aleksandr Motuzov

Head of Data Science center of excellence at Ameriabank CJSC

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“I am a solutions architect. MinIO is a public cloud type of storage that can attach external storage volume. I run it proprietary, or open-source. I use it to run a lot of test instances and production, spinning a new product out of it. In general, I use it for the S3 cloud storage capabilities.

Internally in our company, we have five people that use MinIO by putting their data in and heavily pound it for testing efforts..”

Joe Quail

Solutions Architect at Signal Technology Group

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“MinIO is a very good system, and it's very suitable for people seeking an object storage system that is very similar to Amazon S3 and hosted locally. It's not in production yet, even though we have been working on it for years.

I haven't tested the solution's performance. I haven't done any heavy tests on the platform. We do not use the tool for really big data, but we use it for mid-sized datasets. The solution's performance is good. I can't complain about it because we don't have the best design..”

Abdelrahim-Ahmad

Data Scientist at a tech vendor with 501-1,000 employees

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“The tool helps our customers store documents with their respective versions. Our solutions work around loan processing, loan origination, loan management, and collections. During the loan application process, there is a lot of documentation involved which needs to be stored. The product handles the document’s versioning and storing.

Our solutions also have a module that does the video KYC of our customers. MinIO saves the actual recording of the video KYC process. We use the tool to store and retrieve documents and videos with proper versioning..”

Naveed Tejani

Founder & CEO at Unikrew Solutions

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“I am a software developer. My company was using MinIO to build new frontend applications. We were modernizing the desktop branch application into a web application because it was a modular application with lots of screens.

We didn't want the architect team to increase the size of the client applications. We also did not want a single package as our clients in rural areas would not be able to efficiently load application pages from a very long package network.

We were looking for a better way to optimize the load so MinIO was able to customize web packaging for the frontend and then decompose the web application components. We were packaging everything into a single package. By using MinIO we now optimize the transfer by providing storage for the packages.

Also, our development team had been deploying machine learning algorithms and modules were being produced. Some of these pilot projects do not end up going into production, so we use MinIO as storage for the data produced from machine learning. It works like a Git for machine learning models. The data is posted to Git and the actual files with the hashes are stored in MinIO. The IDs of those models are stored as metadata. It's a model versioning system for machine learning projects.

We deploy MinIO in our data centers as a local version..”

Süleyman Fazıl Yeşil

Senior Software Engineer at a tech services company with 1,001-5,000 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.

“The initial setup was straightforward as MinIO provided good support documentation and took a couple of days to complete. I would give MinIO a rating of eight out of ten..”

Sankarguru Thirgnanasambandam

Senior Architect - Technology Consulting at Ernst & Young

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“The initial setup was simple. We had to download some samples and do the configuration. The process can be done quickly, but the full POC tool many months, and it can be complicated..”

Saddam-ZEMMALI

DevOps Technical Lead at a comms service provider with 501-1,000 employees

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“Deployment of MinIO depends on what you are trying to accomplish. In my case, it is a four-node cluster with a minimum of four servers, and took myself, a senior cluster role, a full day. The biggest complexity is how you configure the storage around this. You can storage attach, which can get complicated making it an intermediate level of deployment..”

Joe Quail

Solutions Architect at Signal Technology Group

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“The product's initial setup phase is complex.

The solution is deployed on a hybrid cloud.

One or two people can deploy the solution over a period of two months..”

Ashis Parajuli

Vice President, Artificial Intelligence at DLytica Inc.

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“The initial setup is easy and takes one to three hours, depending on the infrastructure. To deploy, download the container and then deploy it on our infrastructure.

I rate the initial setup an eight out of ten, where one is difficult, and ten is easy..”

Wichein W.

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Senior Operation Manger at Thai Trade Net

“It is difficult to deploy the solution if you involve Kubernetes. The setup is easy otherwise. I believe that it shouldn’t be an issue with the tool’s latest version. The good part is that the tool supports multiple storage technologies

The product has pretty good documentation available on their website which our DevOps team followed and successfully deployed the solution. My team downloaded the binaries from the library, executed them, and made some initial configurations.

The deployment was pretty quick and we were able to complete the process within a couple of days. The Kubernetes part took weeks to complete. You just need a resource with a good understanding of the documentation and experience in Linux technologies to do the deployment. A team of two to three members can complete the deployment in a week’s time..”

Naveed Tejani

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Founder & CEO at Unikrew Solutions

Customer Service and Support

“We are using the tool’s free version. The free version does not come with any support. However, you can get support from the tool’s strong community. We haven’t run into any issues that require extensive support..”

Naveed Tejani

Founder & CEO at Unikrew Solutions

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“We haven't taken advantage of the technical support but we have used their support forums and had some responses, but I believe it's a fairly small team at MinIO and I don't think they have a lot of people involved in support yet..”

Rebecca Sutter

Chief Technical Officer at NIASE

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“I have not needed support to this point, as I seek help in the community when I have issues. Furthermore, because we are located in Iran and under sanctions, were are not able to purchase technical support..”

MahdiSharifi

Technical Lead and Senior Java Developer at Novin High-Tech Solutions

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Other Advice

“I recommend the solution to start-up businesses. It is the best tool in the market if they want a simple and low-maintenance product. Also, it requires DevOps expertise for the smooth functioning of scalability and reverse proxy features.

I rate it eight out of ten..”

Mostafa Ghadimi

Data Engineer at Mofid

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“MinIO requires maintenance. One person is required to take care of the tool's maintenance part.

I recommend the solution to those who plan to use it.

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

Ashis Parajuli

Vice President, Artificial Intelligence at DLytica Inc.

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“The solution's integration with AI tools is very easy, and I rate it ten out of ten. Because of Amazon S3 compatible APIs, what works with Amazon also works with MinIO. I have tried this often in many use cases, and it seems good. I would recommend the solution to other users.

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

Abdelrahim-Ahmad

Data Scientist at a tech vendor with 501-1,000 employees

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“Our intention is to rollout MinIO as an enterprise, product offering, to customers. It will be part of a big ecosystem of cloud-based storage. If a company is coming off object storage, or if they were looking at Hitachi HCP be sure that you deploy with your Erasure coding and look into the caching configuration.

As far as functionality and stability on the backend of MinIO I would rate it an 8 out of 10. .”

Joe Quail

Solutions Architect at Signal Technology Group

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“It's difficult to comment on the product because we haven't completed testing or deployed it in the production environment. Moving to MinIO involves a learning curve. It's a question of whether someone is prepared to put in the effort to learn the solution and whether they have sufficient experience. The decision to use it needs to be based on whether it's for backup only or for backup and disaster recovery. Then there's the option to use it for analytics and AI, which is more complex and requires integration with other tools. Once the solution has more maturity, I think it will become a dominant product. For now, I rate it eight out of 10. .”

AbdelrahimAhmad

Data Scientist at a comms service provider with 51-200 employees

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“I would rate the tool an eight out of ten. We use the solution’s community version. My company is the implementer of MinIO and not the end user. We are a fintech company that provides digital lending solutions and digital onboarding solutions to banks and financial initiatives. When we deploy our solutions, we also implement Document Management Systems as part of our solutions. These Document Management Systems use MinIO as the core object storage.

We have not found any issues in the tool’s maintenance. You can get pretty good object storage with the community version. The tool has good capabilities in the enterprise version as well. I would definitely go for MinIO over other technologies..”

Naveed Tejani

Founder & CEO at Unikrew Solutions

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Computer Software Company



Manufacturing Company

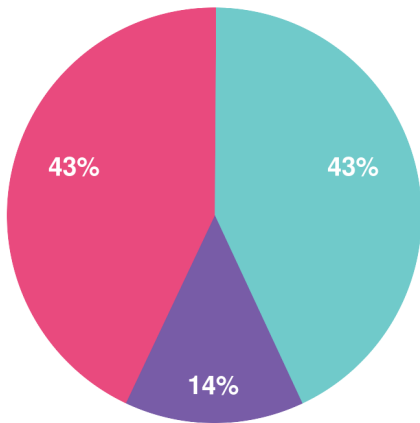


Comms Service Provider

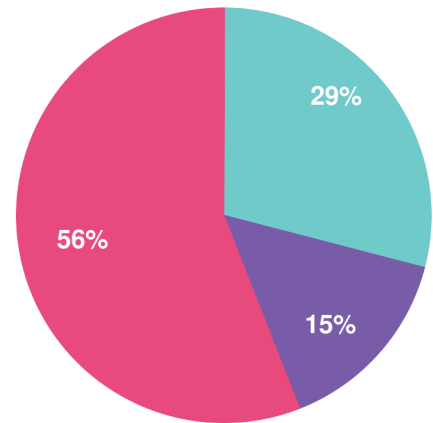


Company Size

by reviewers



by visitors reading reviews



Large Enterprise

Midsize Enterprise

Small Business

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