aws marketplace

Redis

Reviews, tips, and advice from real users






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Product Recap

Redis

Redis Recap

Redis is a high-performance, scalable, and easy-to-use caching solution that improves application performance. It is also used for session management, real-time analytics, and as a message broker.

Redis's valuable features include its ability to handle large amounts of data quickly, its simplicity and straightforward setup process, and its support for various data structures, providing flexibility for different use cases.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- "Redis has multiple valuable features such as being a free and reliable open-source tool."

Verified user

Data Engineer at a photography company with 1,001-5,000 employees

- "Redis is good for distributed caching management."

Yaseer Arafat

.Net Developer at Freelance

- "It is particularly efficient for cloud-based storage and operations."

Vasu Bansal

Student at Otto-von-Guericke-Universitaet

- "Redis provides an easy setup and operation process, allowing users to quickly connect and use it without hassle."

Rotem Fogel

R&D Director at a tech vendor with 201-500 employees

"The ability to fetch and save data quickly is valuable."

IdoBen Ami

Software Architect at Yum! Brands

"Redis is better tested and is used by large companies. I haven't found a direct alternative to what Redis offers. Plus, there are a lot of support and learning resources available, which help you use Redis efficiently."

Chethan Rao S

Software Engineer at Medflix

"Redis is a simple service that does what it promises."

Baudilio Garcia

Head of Platforms at Shalion

What users had to say about valuable features:

"Redis acts as an in-memory search tool that improves the speed of operations. By making operations faster, Redis allows for quicker data retrieval and enhances the performance of applications.."

Anandan B
Senior Tech Lead at Changepond Technologies

Read full review

Redis has multiple valuable features such as being a free and reliable open-source tool. It functions similarly to a foundational building block in a larger system, enabling native integration and high functionality in core data processes. Despite its limitations, Redis provides valuable performance enhancement through system fine-tuning and multi-thread handling.

Verified user
Data Engineer at a photography company with 1,001-5,000 employees

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"The performance of Redis is very fast. Its deployment is pretty easy when using it on ElasticCache, and I did not need to worry about scalability on AWS. It's pretty scalable and stable.."

Verified user
Software Engineer at a transportation company with 51-200 employees

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"Redis provides an easy setup and operation process, allowing users to quickly connect and use it without hassle. We primarily use Redis as a caching system due to its multiple data types and PubSub features, offering efficient data handling. Redis's PubSub capabilities benefit our communication by facilitating thread intercommunication. It allows multiple threads to exchange messages efficiently.."

Rotem Fogel
R&D Director at a tech vendor with 201-500 employees

Read full review

“The best features of Redis, from my personal perspective, are the performance, which is very quick, and it's very simple to implement.

“Since I started using Redis, I feel that the product is saving me some performance tuning time. It's very easy, I have few parameters to tune, and it seems to have performance without a lot of working on the performance, compared to Cassandra, where you have to configure the memory and many other settings.

“The integration capability of Redis is excellent.

“Redis is very affordable because it's free..”

KarimGarchi
Database Admin and Architect at D-EDGE Hospitality Solutions

Read full review

Redis's in-memory storage allows for extremely fast read and write operations, significantly enhancing performance for real-time applications. This speed is particularly beneficial for use cases that require quick access to data, such as gaming leaderboards, real-time analytics, and session management.

The variety of data structures like strings, lists, sets, hashes, and sorted sets offer flexibility in how we manage and access data. These diverse data types enable more efficient storage and retrieval mechanisms, tailored to specific application needs, which can simplify code and enhance functionality.

Redis also provides robust persistence options through RDB snapshots and AOF logs. These features ensure data durability and enable recovery from unexpected failures, offering a level of reliability that is crucial for maintaining data integrity in critical applications.

Additionally, Redis supports master-slave replication, allowing the creation of redundant data copies for high availability and read scalability. This feature is essential for applications that require constant uptime and the ability to handle large volumes of read operations without performance degradation.

Redis's publish/subscribe feature enables real-time messaging and notifications, which is crucial for building event-driven applications. This capability allows us to implement efficient communication mechanisms between different parts of our system, enhancing responsiveness and interactivity.

Redis clustering allows partitioning data across multiple nodes, providing horizontal scalability and fault tolerance. This feature ensures that Redis can handle growing data loads and maintain performance by distributing the workload across several servers, making it a reliable and scalable solution for modern applications.

These features collectively make Redis an incredibly powerful tool for improving performance, scalability, and reliability in our applications.

Yaseer Arafat
.Net Developer at Freelance

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Other Solutions Considered

"In comparison to other caching solutions like Memcached and Aerospike, Redis is easier to deploy and manage. Aerospike, while highly efficient, is more complex to set up.."

Rotem Fogel
R&D Director at a tech vendor with 201-500 employees

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"In my projects, we use documents basically, so all the NoSQL databases can be mapped with an API to have a kind of independence from Redis and any tool. If tomorrow we want to move from Redis to something better, we are independent from that.."

KarimGarchi
Database Admin and Architect at D-EDGE Hospitality Solutions

Read full review

"I also work with PostgreSQL, MySQL, Elasticsearch, Cassandra, and Splunk. Redis provides efficient caching and performance. The other solutions have persistent storage functionality. If I want persistence, I would use the other tools. If I need high performance, I would use Redis.."

IdoBen Ami
Software Architect at Yum! Brands

Read full review

"We started using Redis this year when we switched from Couchbase at the beginning of the year.

"I have decommissioned Couchbase, which was not my database but my customer's database. They decommissioned it this year and chose Redis for the cache data parts, so I'm not using Couchbase anymore.."

KarimGarchi
Database Admin and Architect at D-EDGE Hospitality Solutions

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"Yes, before choosing Redis, we evaluated several other options. We considered continuing with our existing relational database system, but it had performance and scalability issues. We also looked into Memcached, which is another in-memory caching solution. However, Redis offered more advanced data structures and features that were beneficial for our use case. Additionally, we explored other NoSQL databases like MongoDB and Couchbase, but they didn't meet our performance needs for real-time data processing and caching as effectively as Redis did. Redis stood out due to its speed, versatility, and robust feature set, making it the best fit for our requirements.."

Yaseer Arafat
.Net Developer at Freelance

Read full review

"Yes, before adopting Redis, we used a traditional relational database system for caching and session management. We decided to switch to Redis for several reasons:

1. **Performance**: Our previous solution struggled with high latency during peak traffic times, impacting user experience. Redis, being an in-memory data structure store, offered significantly faster data retrieval times, which enhanced our application performance.
2. **Scalability**: As our user base grew, scaling our traditional database solution became increasingly complex and costly. Redis provided robust scalability features, including clustering and partitioning, which allowed us to handle larger volumes of traffic more efficiently.
3. **Versatility**: Redis supports a variety of data structures such as strings, lists, sets, and hashes. This versatility enabled us to implement complex features like real-time analytics and leaderboards more effectively than with our previous solution.
4. **Event-Driven Capabilities**: Redis's support for publish/subscribe messaging patterns allowed us to build real-time notification systems and other event-driven applications, which were more challenging to implement with our previous setup.
5. **Simplicity**: Redis simplified our development processes. Its easy-to-use commands and rich feature set reduced the time and effort required to implement caching, session storage, and other functionalities.

Overall, Redis addressed the performance, scalability, and versatility issues we faced with our previous solution, making it a better fit for our needs. ."

Yaseer Arafat
.Net Developer at Freelance

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ROI

Real user quotes about their ROI:

"The solution does what I need, and I have no issues with it. Since I didn't install Redis and don't need to maintain it, the service saves me a lot of time.."

David Shlingbaum
IT Development Manager, Architect, Developer at Miltel Communications LTD

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"Eventually, we need to manage caching. If we manage on our own, it will take a lot of developer resources, infrastructure, and environmental resources. So, it is better to use Redis. The ROI is better.."

IdoBen Ami
Software Architect at Yum! Brands

Read full review

"We saw an ROI. It made the processing of our transactions faster. So there are some details we get, like customer contract details, customer details, customer ID, there are so many details for that. So we get it from Redis, which makes it faster.."

Emmanuel Abodesegun
Senior Software Engineer at Moniepoint

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"Measuring the return on investment (ROI) of Redis can vary based on the specific use case, but here are some general observations:

1. **Improved Performance**: The speed and efficiency of Redis can lead to significant performance improvements. This results in faster response times and a better user experience, which can translate into higher user retention and satisfaction.
2. **Cost Savings**: By reducing the load on your primary databases and improving application performance, Redis can help lower infrastructure costs. This is especially true if you're using a managed service that scales with demand.
3. **Developer Productivity**: The simplicity and versatility of Redis can increase developer productivity. Faster implementation of features and reduced time spent on performance optimization can lead to quicker time-to-market for new products or features.
4. **Scalability**: Redis's ability to scale efficiently ensures that your application can handle increased traffic without significant additional investment. This scalability helps maintain performance and reliability as your user base grows.
5. **Reliability**: The stability and high availability of Redis can reduce downtime and data loss, leading to more consistent service and higher customer trust.

While the specific ROI will depend on your unique circumstances, these benefits often result in significant value for organizations that implement Redis effectively. ."

Yaseer Arafat
.Net Developer at Freelance

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Use Case

“I've used Redis mainly to improve application performance through caching. I've also used it as a small project broker and an external lock mechanism. I used it in previous companies. .”

Verified user
Software Engineer at a tech vendor with 5,001-10,000 employees

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We use Redis for several purposes, including ranking, counting, saving, sharing, caching, and setting time-to-live notifications. These functionalities are employed across various AI projects and in data processing tools, where Redis helps with the ongoing data pipeline process.

Verified user
Data Engineer at a photography company with 1,001-5,000 employees

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"I use Redis as a tool in building projects, specifically for in-memory caching. My backend API uses Redis to cache information retrieved from the database.."

Anandan B
Senior Tech Lead at Changepond Technologies

Read full review

"Redis is used for a part of a booking engine for travel, specifically for the front part to get some sessions and information about the sessions. If a customer or user is using the sites in different parts, we use Redis to get this information in cache.."

KarimGarchi
Database Admin and Architect at D-EDGE Hospitality Solutions

Read full review

"In my current workplace, we use Redis for various purposes, including managing query caches, queues, and as a registry for different system components. These components register themselves when live, enabling efficient usage tracking.

Previously, at another company, we used Redis to cache machine learning models, facilitating model delivery across platforms without frequent disk retrieval.."

Rotem Fogel
R&D Director at a tech vendor with 201-500 employees

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"My primary use case for Redis is to enhance the performance of our web applications by using it as a caching layer. By caching frequently accessed data, we reduce the load on our primary databases, resulting in faster data retrieval and a more responsive user experience.

We also use Redis for session storage, managing user sessions in a stateless manner, which ensures quick access to session data, supporting high-traffic scenarios without compromising performance. Additionally, Redis handles real-time analytics and leaderboard features, providing fast and efficient data processing capabilities.

For real-time notifications and updates, we utilize Redis' Pub/Sub messaging feature. This facilitates real-time communication and synchronization between our services. Our Redis setup includes replication for high availability, persistence for data durability, and clustering for scalability.

This integration of Redis in our environment has significantly boosted the performance, scalability, and reliability of our applications, making it an essential component of our infrastructure. ."

Yaseer Arafat
.Net Developer at Freelance

Read full review

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 of Redis was difficult, with a rating of two or three out of ten. A deep understanding of Redis's core and high technical knowledge was required, making the process lengthy and complex.

Verified user Read full review

Data Engineer at a photography company with 1,001-5,000 employees

"Using AWS for Redis, the setup involves going through a user-friendly UI, making the process simple and straightforward. After setup, you get an endpoint, and it's ready to use.."

Baudilio Garcia Read full review

Head of Platforms at Shalion

"Redis requires occasional maintenance, but it is generally a low-maintenance solution and is straightforward to manage. I haven't encountered any difficulties or downtime after updates, as Redis is robust and concise.."

Simon Lazarev
Founder at Proton Technologies

Read full review

"The initial setup took some time as our technical team needed to familiarize themselves with Redis. Once they gained expertise, the deployment process became straightforward and was completed within a month and a half. A seven-member team helped with the deployment. ."

Einstein Rozario
Principal Consultant at Sapienze Tech FZE

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"The deployment is easy. The deployment takes a couple of hours. One engineer can deploy the tool. We can fully manage the tool as SaaS with low maintenance. If we want to deploy it in our own environment, we must be more aware of changes and monitoring. Since I'm using the caching layer, we must choose the correct mode to save and fetch the data optimally. It is complicated to understand which feature or model we must use.."

IdoBen Ami
Software Architect at Yum! Brands

Read full review

"The initial setup of Redis was relatively straightforward, especially for basic configurations. Here are a few points that highlight the process:

1. **Installation**: Installing Redis was simple, with clear documentation and guides available for various operating systems. Whether deploying on a local machine or a cloud instance, the steps were easy to follow.
2. **Configuration**: For basic use cases, the default configuration settings were sufficient. However, for more complex setups involving clustering or high availability, the configuration required more attention and understanding of Redis parameters.
3. **Integration**: Integrating Redis with our existing applications was smooth, thanks to the availability of client libraries for different programming languages. This made it easier to incorporate Redis into our tech stack.
4. **Learning Curve**: While the basic commands and operations were easy to grasp, understanding advanced features and optimizing performance required more in-depth knowledge. Fortunately, Redis's comprehensive documentation and community support helped bridge this gap.

Overall, the initial setup was manageable and straightforward for basic use, with some complexity arising in advanced configurations.."

Yaseer Arafat

.Net Developer at Freelance

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Other Advice

"I rate Redis a ten out of ten. There might be some improvement needed by allowing more configuration options regarding resources available for the servers.."

Baudilio Garcia
Head of Platforms at Shalion

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I rate Redis seven out of ten overall. While it's a powerful open-source tool, it has areas needing improvement in terms of scalability and certain functionalities. Despite this, the tool provides reliability for our needs. I recommend considering these aspects before adopting Redis for large-scale operations, especially if high technical competencies are needed.

Verified user
Data Engineer at a photography company with 1,001-5,000 employees

Read full review

"Redis is a nice choice for building applications that require high turnaround times for user requests. It reduces turnaround time by building a cache solution based on Redis.

I rate it as eight out of ten.."

Anandan B
Senior Tech Lead at Changepond Technologies

Read full review

"I recommend Redis as it provides an easy-to-use caching solution with beneficial PubSub features.

It's excellent for startups or new projects with many components needing coordination. However, for more advanced messaging or larger data volumes, Redis might not be the best fit.

I rate Redis a nine out of ten.."

Rotem Fogel
R&D Director at a tech vendor with 201-500 employees

Read full review

“If Redis has questions or comments related to my review, it's possible for them to reach me via email to clarify something.

“I am interested in being a reference for Redis.

“On a scale of 1-10, I rate Redis a 10..”

KarimGarchi
Database Admin and Architect at D-EDGE Hospitality Solutions

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"Do you have any additional comments or advice regarding this solution?

Yes, a few additional points that might help you:

1. **Stay Updated**: Redis evolves regularly with new features and improvements. Keeping up with the latest updates can help you leverage the best practices and latest enhancements.
2. **Use Redis Sentinel for High Availability**: To ensure high availability and automatic failover, consider using Redis Sentinel. It provides monitoring, notification, and automatic failover capabilities.
3. **Regular Backups**: Implement regular backup strategies to prevent data loss. While Redis persistence options (RDB and AOF) are robust, having an additional backup mechanism can be a safety net.
4. **Optimize Memory Usage**: Redis being an in-memory store, it's essential to monitor and optimize memory usage. Use features like data eviction policies to manage memory efficiently.
5. **Consider Redis Enterprise for Critical Applications**: If you require advanced features like multi-region replication, more robust clustering, and enterprise support, Redis Enterprise might be worth the investment.
6. **Leverage Community Resources**: The Redis community is vibrant and full of resources. Participating in forums, following Redis developments, and utilizing community tools can be very beneficial.

Redis Cache is better than other competitors and I would recommend it to other people.

I'd rate the solution nine out of ten.."

Yaseer Arafat
.Net Developer at Freelance

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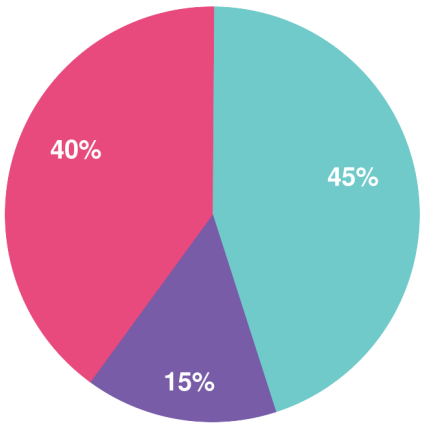
Company Size

by reviewers



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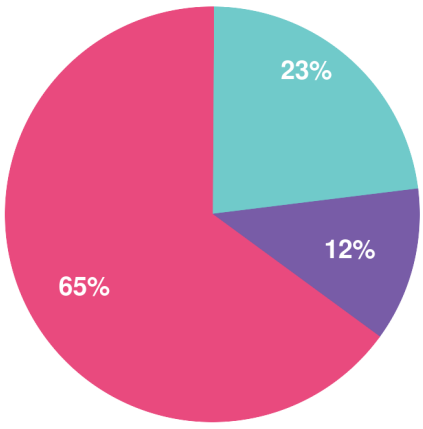

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