



Redis Enterprise vs. ElastiCache

Outperform ElastiCache with Redis Enterprise

Compare Redis Enterprise and ElastiCache and see why we're the clearer, faster path to success

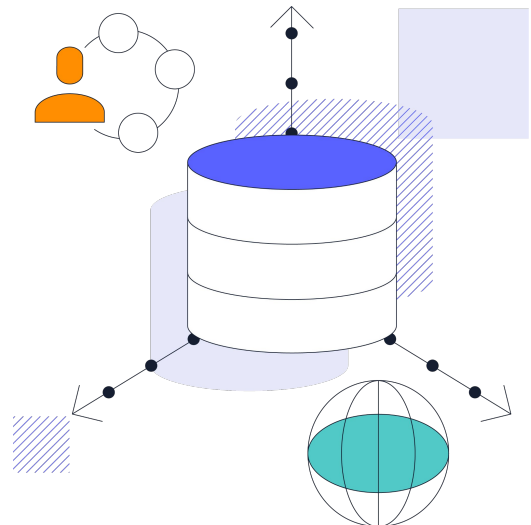
We set the standard for fast data, fast work, and fast answers. Our speed and simplicity have opened a world of possibilities for millions of devs and thousands of businesses, making Redis one of the most loved and used databases.

If you're deploying Redis workloads on AWS, you've probably heard of ElastiCache. Amazon's ElastiCache may have been your first introduction to Redis, but the truth ElastiCache isn't Redis. Instead, it's a Redis-compatible imitator managed by Amazon with limited extra functionality.

Meet the real Redis

At Redis, we're obsessed with making our technology the best it can be. We work tirelessly to push the boundaries of what millions of devs can build with Redis. We lead the Redis community, provide source available Redis, manage updates, provide docs and tutorials, run Redis University, and build tools like Redis Stack and Redis Insight to make our product more capable and easier to use.

All of this work led to Redis Enterprise—A Redis that goes beyond simple caching to deliver robust, fast technology that can power enterprise-grade caching or extend Redis to a new generation of use-cases. It's the clear path to success with Redis once you've outgrown source available Redis or ElastiCache.



How does Redis Enterprise go above and beyond ElastiCache?

With Redis Enterprise you can:



Deploy the real Redis in any cloud

Don't limit your tech stack to AWS. Use a single Redis service with the flexibility to deploy in Kubernetes, hybrid environments, or any cloud.

Available on-premises and on all **3** public clouds



Avoid costly downtime

Reduce risk in your stack with enterprise-grade reliability from the Redis team.

Achieve a **20%** reduction in system downtime

Source

Our SLA guarantees **45 mins** less downtime per year than ElastiCache

Source



Pay less and do more

Speed up your applications without breaking the bank, with an incredibly cost-efficient version of Redis.

Reduce infrastructure costs by **70%**

Source

Our fixed plans are on average **10%** less expensive than ElastiCache



Build better with Redis

Scale linearly without adding overhead as you grow and build truly global apps with Active-Active Geo Distribution.

Deploy **2X** faster

Source

Income from accelerated time to market totaling **1.6M**

Source



Get support from the team who built Redis

Redis is our sole focus. Give your team peace of mind knowing they're backed by the team that builds, manages, and supports Redis.

“With one email message to Redis support, we have been able to get **fast, actionable information that has enabled us to effectively scale** Wizz without sacrificing performance or impacting our users’ experience at all”

[Source](#)



Evolve beyond caching



Build next-generation, real-time apps using Redis as a primary database, real-time search engine, vector database, and more.

1 technology for all of your real-time use-cases

“We’re using Redis Cloud for everything persistent in OpenGPTs, including as a **vector store for retrieval and a database to store messages and agent configurations.** The fact that you can do **all of those in one database** from Redis is really appealing.”



[Source](#)


Side-by-side comparison Redis Enterprise vs. ElastiCache

	Capabilities	Amazon ElastiCache	Redis Enterprise
	Available as a fully-managed DBaaS	AWS only	AWS, Azure, Google cloud
	Can be deployed on-premises	⊗	✓
	Native Kubernetes support	⊗	✓
	Availability SLA	99.99%	99.999%
	Automatic failure detection <10 seconds	⊗	✓
	Supports RDB snapshotting	✓	✓
	Persists every operation with AOF	⊗	✓
	No downtime or performance loss when upgrading Redis	⊗	✓
	Enables backup and restore	✓	✓

Deploy the real Redis in any cloud

Avoid costly downtime

	Capabilities	Amazon ElastiCache	Redis Enterprise
 Pay less and do more	Auto tiering technology maintains performance while cutting costs at scale	Limited	✓
	Built in multi-tenancy to fully utilize infrastructure	⊗	✓
	Serverless service with straightforward and right-sized pricing based on throughput and memory requirements	⊗	✓
	Usable Redis keyspace per dollar spent	75%	100%
 Build better with Redis	Support offered for Redis clients (Jedis, node-redis, redis-py, NRedisStack, Go-Redis, Lettuce)	⊗	✓
	Active-Active Geo Distribution (simultaneous reads and writes to multiple geographically distributed nodes with data consistency)	⊗	✓
	Active-Passive Replication (read-only geo-replication)	Limited	✓
	Scales linearly with shared-nothing architecture	⊗	✓
	Delivers consistent performance during internal operations (such as AOF, rewrites, snapshot, resharding, replication)	⊗	✓
	Integrated LDAP for authentication and authorization for control plane and data (Redis Software only)	⊗	✓
	Incorporates security best practices like; RBAC authorization, password-based authentication, mutual TLS authentication, and data encryption in transit and at rest	✓	✓
	Monitoring and alerting capabilities	AWS Cloudtrail	✓
 Get support from the team who built Redis	24x7x365 Redis support is provided by	AWS general support	The home of Redis
	Access to Redis Smart Cache to simplify caching in complex environments	⊗	✓
	Access to Redis Data Integration to provide data ingestion and transformation, and capture and replicate changed data between Redis and your database (Redis Software only)	⊗	✓

	Capabilities	Amazon ElastiCache	Redis Enterprise
 <p>Evolve beyond caching</p>	Server-side, event-driven data processing in Javascript with Triggers & Functions	⊗	✓
	Additional core data structures: JSON, vector, and time series	JSON only	✓
	Index and query data in real time with Search + JSON	⊗	✓
	Supports vector search, can be used as a vector database	⊗	✓
	Enterprise reliability and durability across every environment	⊗	✓



“We were between two solutions in our search for a cache, Redis Cloud and Amazon ElastiCache. Redis Cloud was a far better overall solution than ElastiCache. **Redis Cloud's performance and failover were second to none.**”

Arjun Yadav,
CTO
MyTeam11
[View Case Study](#)



“We now only use 30% of the DRAM storage we previously used, with no sacrifice in latency. That equates to **hundreds of thousands of dollars in infrastructure savings each year.**”

Varun Kumar,
SVP of Engineering
Ekata, a Mastercard Company
[View Case Study](#)

Ready to realize the true potential of Redis?
[Schedule a meeting with Redis today](#)

