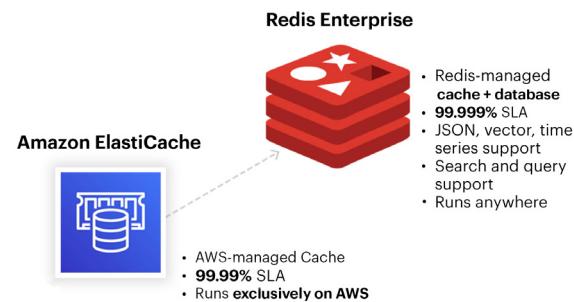


# Redis Enterprise versus ElastiCache

**Learn how Redis Enterprise goes above and beyond ElastiCache to help you deliver cost-efficient caching at scale.**

ElastiCache is an appropriate solution for starting out with, as it often meets basic caching needs. But as your usage grows, ElastiCache quickly becomes expensive, difficult to manage, and it isn't reliable for mission-critical applications.

Enter Redis Enterprise. Redis Enterprise is built by the creators of Redis, the most-loved in-memory database, and goes beyond ElastiCache to provide the functionality you need to build and run applications at enterprise scale while keeping costs low.



## With Redis Enterprise you benefit from:

- Cost efficiency** with maximized resource utilization due to a multi-tenant architecture and automatic data tiering
- Dependable SLAs** providing under 30 seconds of downtime per month with up to 99.999% availability
- Global distribution for write operations** to maintain real-time speed and data consistency
- Expanded data types and data access methods** with JSON, search and query, vector, and time-series support
- Flexible deployment options** across on premises, hybrid, and multicloud
- Support from the best** by Redis experts
- AWS Marketplace integration** providing unified billing and expenditures toward AWS commitments

## How do you choose between Amazon ElastiCache and Redis Enterprise? The key criteria to consider are:

- Is your cache mission-critical to your applications or user experience?
- Do you require high availability?
- Do you manage multiple ElastiCache deployments?
- Do you require global writes with low latency and data consistency?
- Do you require deployment flexibility to support applications hosted on premises or on any cloud?
- Do you experience delays with AWS support?

If you answer “Yes” to any of these questions, then Redis Enterprise can provide a cost-effective alternative.

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

– Arjun Yadav, Chief Technical Officer, MyTeam11  
[View Case Study](#)

## Redis Enterprise & ElastiCache Feature Comparison

	Capabilities	 Redis Enterprise	 Amazon ElastiCache
<b>High availability</b>	SLA	Up to 99.999%	Up to 99.99%
	No downtime or degradation during upgrades	✓	
<b>Cost efficiency</b>	Active-Active geo-distribution	✓	
	Efficient resource utilization with multi-tenant architecture	✓	
<b>Scalability</b>	Reduced costs for large datasets with automatic data tiering between memory and disk	✓	Limited
	Scales linearly without imposing overhead with shared-nothing architecture	✓	
<b>Extensibility</b>	Delivers consistent performance during scaling operations	✓	
	JSON data structure support	✓	✓
<b>Security</b>	Full-text search	✓	
	Secondary indexing	✓	
<b>Deployment</b>	Vector database with vector similarity search	✓	
	Access control lists	✓	✓
<b>Cloud</b>	Built-in monitoring and alerts	✓	Limited
	Cloud availability	Amazon Web Services, Microsoft Azure, Google Cloud Platform, Heroku	Amazon Web Services
<b>On-premises</b>	Available on Kubernetes as a native service	Amazon (EKS), Azure (AKS), Google (GKE), VMware Tanzu (TKGI), Rancher (RKE), OpenShift	
	On-premises, multicloud, and hybrid cloud support	✓	