

Enterprise-Class Redis

Businesses need to harness increasingly large volumes of structured and unstructured data in real-time to drive growth. With the explosive growth in mobile phone, internet and data usage, today's applications are required to meet sub-millisecond latency requirements, while handling millions of users and billions of datapoints per second.

Developers around the world depend on open source Redis – the most widely adopted in-memory NoSQL database worldwide – to deliver millions of operations per second at sub-millisecond latencies.

Redis Labs' technology enhances open source Redis and delivers tangible operational benefits of high performance at lower costs, through hassle-free automated scaling, clustering, multi-zone high availability, auto-failover, continuous monitoring and 24x7 support.

Quick Facts

- **Redis** is the #1 fastest growing database (since Jan 2013) – *DB-Engines.com*
- **Redis** is the #1 NoSQL database most deployed in containers – *ClusterHQ and DevOps.com*
- **Redis** is among the top 3 NoSQL databases in use – *DB-Engines.com*
- **Redis** is #12 among all tools & services developers love to use – *Stackshare.io*
- Tens of thousands of customers already use **Redis Labs' technology** to accelerate their applications

Redis Labs offers the following major NoSQL product lines:

Redis[®] Pack



Downloadable software for creating enterprise grade highly available and scalable Redis clusters:

- On your infrastructure
- On private PaaS (IBM BlueMix, Pivotal CloudFoundry and RedHat OpenShift)
- On flash memory used as a RAM extender
- On your infrastructure as a managed service

Redis[®] Cloud



Fully managed, highly available cloud service that can run on:

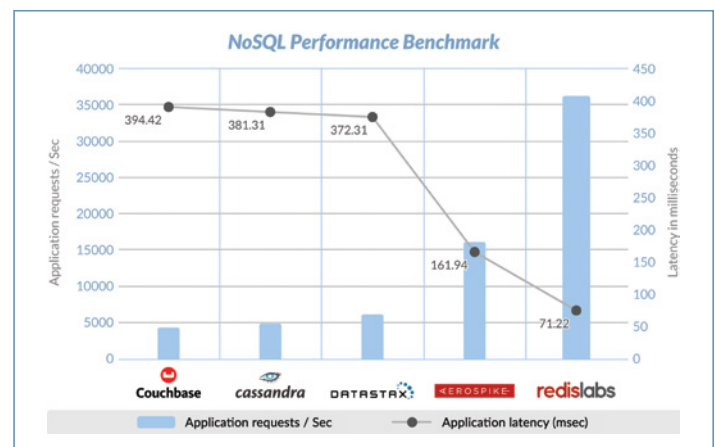
- Amazon Web Services
- Google Cloud
- Microsoft Azure
- IBM Softlayer
- Also available through PaaS providers (Heroku, OpenShift, IBM Cloud and more)

Redis[®] Pack: High Performance and High Availability at Scale

Enterprise Grade Redis Scaling & Clustering: Redis[®] Pack enables you to scale Redis for higher throughput and lower latencies, by creating additional database instances (shards), with no performance impact or downtime. Not only does it allow you to use multiple cores on a single server more efficiently, it also overcomes the limitations of memory on a single node by extending Redis clusters across servers, and constantly re-balancing shards to meet throughput goals, all through a simple, intuitive UI.

Always On, Automated High Availability: Redis[®] Pack delivers built-in data persistence (AOF or snapshot based), rack-aware, cross datacenter/region/cloud replication, auto-failover, backup and disaster recovery so your mission-critical applications are protected from unplanned downtime, outages and data loss risks. UI-based provisioning and automation ensures hassle-free operation.

Enterprise-Class Management and Support: Redis[®] Pack provides UI, CLI or REST API-based continuous management, monitoring of over 20 important Redis metrics, threshold-based alerting and 24x7 support backed by expertise managing and scaling Redis databases for thousands of customers worldwide. Redis[®] Pack also includes interfaces for enterprise monitoring systems.



Redis Labs Redis[®] Pack delivers the highest throughput at the lowest latency outperforming other technologies (based on independent performance benchmark by Avalon Consulting)

"Auto-failover and seamless clustering were the main reasons we chose Redis[®] Pack – and the expertise provided by the Redis Labs team is a huge bonus."

Brandon Ragan, Lead Systems Engineer, Motley Fool

Redis® Cloud: High Availability and Seamless Scalability without Operational Hassle

Redis® Cloud is a fully-managed cloud service that delivers predictable and stable high performance Redis, with seamless scalability and high availability. Redis® Cloud is underpinned by the same technology as Redis® Pack, and includes all the same advantages. It eliminates the operational overhead of managing infrastructure related to Redis deployments.

Seamless scaling, zero-downtime upgrades or downgrades

Scale your Redis dataset to larger or smaller sizes on demand, without any downtime. Simply choose different plans while upgrading or downgrading – no need to move data between cloud instances or worry about nodes, clusters, network, storage – Redis® Cloud handles everything behind the scenes.

Hassle-free high availability

Take advantage of built-in auto-failover, persistence (AOF or snapshot) and backups, without performance impact or operational hassle.

Predictable, linear high performance

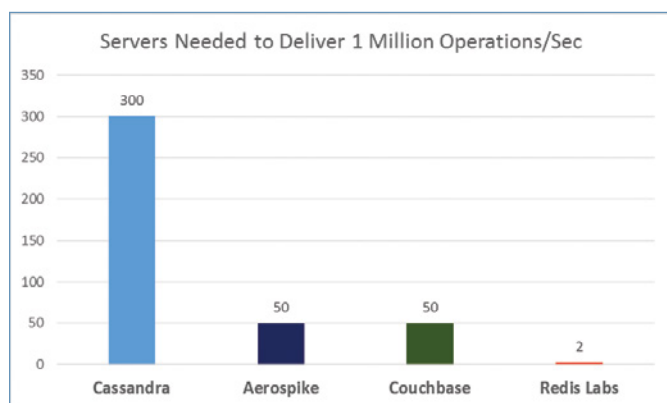
Achieve stable high throughput and low latency with continuous monitoring, and by serving datasets from multiple cores and the strongest cloud instances.

“You can focus on building your applications, while Redis® Cloud does the scaling magic behind the scenes. Scaling on demand, reliability and excellent support are some of the things that you can take for granted.”

- Hotel Tonight

Operational Cost Savings with Redis Labs:

High Throughput at 99% Lower Cost vs. Other NoSQL Technologies



	Cassandra	Aerospike	Couchbase	Redis Labs
Servers Needed to Deliver 1 Million Operations/second	300	50	50	2
Total Annual Server Cost Per Year	\$2,226,216	\$371,040	\$371,040	\$14,832
% Savings with Redis® Pack	99%	96%	96%	

Redis Labs' technology delivers the maximum throughput with the lowest number of servers, slashing operational costs by up to 99%.

Benchmark performed using Google Cloud Platform

Enhances Open Source Redis for Higher Efficiency and Lower Costs

Compared to Open Source Redis, Redis® Pack enables equivalent or higher throughput while allowing you to:

- Achieve greater efficiency in utilizing multiple cores
- Run multiple database instances on the same server
- Run multiple databases in the same cluster
- Use all Redis commands while clustering
- Avoid scripts and downtime while scaling and clustering
- Run Redis on flash memory as a RAM extender, slashing costs by up to 85%

Get Redis® Pack or Redis® Cloud Today!

Talk to a Redis expert today – contact expert@redislabs.com.

Try Redis® Pack or Redis® Cloud for free at www.redislabs.com.

