Redis Enterprise Cloud

Redis Enterprise Cloud delivers a cost-effective, fully managed Database-as-a-Service (DBaaS) offering, fully hosted on public clouds.

Redis Enterprise Cloud is based on the proven Redis Enterprise technology, serving thousands of customers of our Redis Enterprise Software products. With Redis Enterprise Cloud, you can deploy quickly on major public clouds and create Redis databases that are fully compatible with the open-source Redis clients.

With Redis Enterprise Cloud, you get all of that plus:

- A dedicated cloud environment
- Full enterprise features
- Redis on Flash
- Redis modules
- Standard support

Take advantage of the tremendous expertise of the team that develops open source Redis and relieve your operations team of any hassle related to managing and operating your mission-critical Redis deployments.

Features

Infinite and seamless scalability

Grow your dataset to any size needed (beyond the largest cloud instances) without any downtime or limitation of Redis commands. Upgrade or downgrade by simply changing plan settings, without downtime and without the need to move your dataset between cloud instances.

With Redis Enterprise Cloud, we automatically add or remove instances to your cluster to accommodate your fluctuating dataset size without any interruption to your applications.

Significant cost saving of Redis on Flash (RoF)

For datasets larger than 50GB, running Redis on Flash delivers high throughput with the same sub-millisecond latencies of Redis on RAM, while cutting the cost of your cloud resources by over 70%.

True high availability

Achieve high availability for your Redis databases, with continuous operation and zero operational effort. Redis adds proven technology to ensure high availability for Redis deployments, safeguarding against all possible failure scenarios by using:

- Efficient, diskless, in-memory replication across multiple availability zones and regions
- Instant automatic failover
- Persistence with Append Only File (AOF) or snapshots
- Backups and disaster recovery

Redis Enterprise Cloud has demonstrated resilience over many years, providing hundreds of thousands of databases with continuous operation while withstanding hundreds of cloud outages, all without data loss or interruption of service.
Predictable high performance

Take advantage of the best performance in the industry using Redis Enterprise Technology that enhances Redis with numerous optimizations and hosts your database on optimal cloud instances.

Hybrid deployment and geo-region replication

Efficiently replicate Redis databases between Redis Enterprise Cloud and Redis Enterprise Software or across cloud regions, with built-in compression and WAN optimization technologies. Create multi-region, multi-cloud or hybrid (on-premises and cloud) Redis Enterprise deployments that accelerate your applications and require zero time to recover.

24/7 Monitoring and support

Reap benefits from the tremendous operational expertise of the team that develops and maintains open-source Redis and the professionals who manage hundreds of thousands of Redis databases daily. Enjoy our 24/7 support via online helpdesk or phone.

The status of the RC infrastructure is in real-time on the Status page.

Encryption and authentication

Meet your security goals without compromising performance using Redis Enterprise Cloud fully encrypted SSL connections, and apply multi-level authentication mechanisms such as:

- IP whitelist
- Security groups (on AWS)
- Client-based SSL authentication
- Redis password
- Data at rest encryption for compliance and security

Fully-automated service

No need to manage instances, clusters, scaling, data persistence, high availability settings, and failure recovery.

Multiple dedicated databases in one plan

Utilize multiple databases in a single plan, each running in a dedicated process and in a non-blocking manner.

Email alerts

Receive instant notifications when memory or connection limits are exceeded, or latency, high throughput or low throughput thresholds are crossed.

Unlimited database connection

With high volume plans you can use as many database connections as you want.