

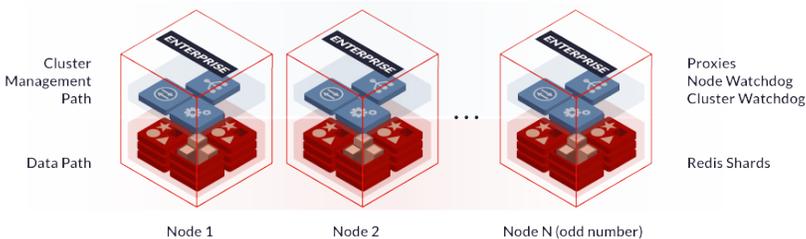
Redis Labs & Google

Redis Enterprise: A Comprehensive Multi-Model Database on Google Cloud

Redis Enterprise on the Google Cloud Platform (GCP) delivers an enterprise-grade multi-model database for greater development agility and accelerated delivery of modern applications.

What is Redis Enterprise?

Redis Enterprise combines the advantages of world-class database technology with the innovation of a vibrant open source community. Built for high performance and availability, it simplifies application development and slashes infrastructure costs, so you can meet demanding user expectations.



Why companies use Redis Enterprise

Redis' data structures and modules optimally support complex use cases, such as:

- User session stores
- High-speed transactions
- Content caching
- Real-time analytics
- Fast data ingest
- Messaging
- Job & queue management
- and more...

Performance at Scale

Gain predictable high throughput at sub-millisecond latency with:

- Dynamic re-sharding and re-balancing across servers
- A shared-nothing cluster architecture for linear scalability
- Built-in real-time search
- Integrated modules for infinite use cases and data scenarios

Failsafe High Availability

Cover your business for peak hour traffic with unmatched reliability and tunable database features like:

- Diskless in-memory replication & policy-driven persistence
- Automated zero-downtime linear scaling
- Instant failure detection, recovery & robust security
- Layered orchestration with native Kubernetes integration

Cost Savings

Automate and support your day-to-day operations, while enjoying better economies of scale via:

- Support for Flash as a RAM extender
- Built-in multi-tenancy for maximum resource utilization
- Flexible deployment options for cloud, on-prem and hybrid environments
- Multiple use cases on a single data platform



Stance, a pioneer of the modern retail shopping experience, architected a modern, high performance, highly responsive website showcasing the originality and creativity of exciting and diverse sock designs. To meet the surging demand from ardent fans of its celebrity-endorsed apparel, Stance used Redis Enterprise, along with Google's transformative cloud platform to scale automatically when needed and deliver thousands of responses at sub-millisecond latencies, even at peak loads.

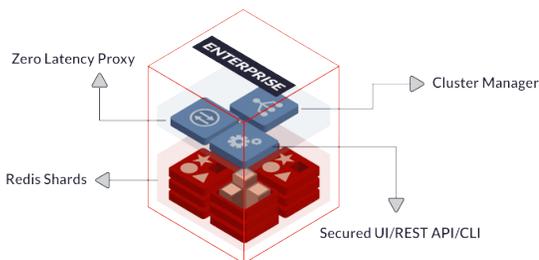
"Our stock notifier system has to simultaneously inform thousands of clients about inventory availability with sub-millisecond latencies. Only Redis can do this. Auto-scaling is great to have, and Redis Enterprise handles all our scaling needs without any downtime. Other options did not provide automatic scaling, and managing this is actually not trivial. We have architected things to be very efficient, but Redis Enterprise surprised us with how effortlessly efficient it can be."

- Andrew Spencer, Director of Technology, Stance

Redis Enterprise: Your Primary Database for the Instant Experience

Redis Enterprise on Google Cloud

- Supports high performance operational, analytical and transactional use cases for modern applications
- Built-in Kubernetes integration for simplified operations including automatic service discovery, high availability and rolling upgrades with zero data loss
- Available as a hosted, managed or on-premises solution
- Backed by 24x7 enterprise-grade support and expertise in managing and scaling 550K+ production Redis databases worldwide
- Proven solution, with over 1B+ containers launched on Docker Hub
- Voted as the most loved database by over 100,000 developers on StackOverflow



Turnkey Multi-Model Database

Model real-world data in key-value, document, graph or search databases at exceptional speed and with effortless scale:

- Provides versatility with data structures for a variety of use cases
- Eases development by embedding documents in JSON format as a native data type
- Supports fast full text, numeric and geo search with rapid fire simultaneous indexing
- Delivers instant, actionable insights by graphically representing connected data



Global Data Distribution and Consistency

Achieve Active-Active geographic distribution with cutting-edge conflict-free replicated data types (CRDTs):

- Automatically and intelligently handles simultaneous read/write operations on complex data structures
- Delivers strong eventual consistency, local latency and global availability
- Simplifies the development and deployment of globally distributed applications



Intelligent, Cost-Efficient Data Tiering

Reduce costs through an innovative tiered approach, which places frequently accessed hot data in memory and warm data in Flash:

- Delivers predictable sub-millisecond latencies from RAM while reducing costs of large data sets by >80%
- Uses Flash memory as a RAM extender rather than evicting or deleting session data
- Handles large data sets for real-time analytics with minimal resources

About Redis Labs

Redis Labs is the home of open source Redis, the world's most popular in-memory database, and the commercial provider of Redis Enterprise. Our enterprise edition of Redis simplifies the development of highly performant, reliable and seamlessly scalable real-time applications, including e-commerce, mobile, social, personalization, Internet of things (IoT), fraud detection and many others.

Get Redis Enterprise Today!

Contact a Redis expert:
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Try Redis for free at:
www.redislabs.com