

S&P 500 Financial-Technology Company Depends on Redis Enterprise's Auto-Sharding Capabilities to Run its Microservices Framework

Introduction

This S&P 500 Computer Software Company builds intuitive web, mobile, and cloud solutions for over 40 million people by leveraging big data insights, machine learning, and powerful automation. Their main audience is small businesses, consumers, self-employed, and accounting professionals, with the goal of helping them achieve their dreams of prosperity. Their current implementation was becoming outdated; high latency with slow response times while only being able to handle limited volumes of data was becoming detrimental with a growing user count. Redis Enterprise was chosen to help scale their applications because of its ability to seamlessly scale, cluster, and auto shard.



“Redis Enterprise helped us deliver applications faster and with greater reliability than ever before.”

Challenges

The business challenges that led the profiled company to evaluate and ultimately select Redis Enterprise:

- Encountered the following challenges before choosing Redis Enterprise:
 - High latency and slow response times from other databases
 - Other databases only being able to handle limited volume and low throughput of data
 - Other databases not being able to work within the microservices framework and are too complex for new application development
 - Difficulty operating, scaling, and administering other databases

Use Case

The key features and functionalities of Redis Enterprise that the surveyed company uses:

- Uses Redis Enterprise for the following:
 - Real-time analytics
 - High-speed transactions
 - Scalability tier/content caching
 - Notifications
- Use of Redis Enterprise does include data that is not stored in any other database.
- Increased their usage of Redis Enterprise for the following reasons:
 - Application usage and user count is growing
 - They want more pieces of our application to be served faster
- Using Redis Enterprise in the following types of solutions:
 - Social channels/customer engagement

Results

The surveyed company achieved the following results with Redis Enterprise:

- Values the following Redis Enterprise capabilities:
 - High availability (persistence, auto-failover, cross-zone/multi-region/multi-datacenter in-memory replication)
 - Stability & high performance
 - Ability to seamlessly scale, cluster, and auto shard
 - 24x7 support for mission-critical Redis layers
- Rates the following benefits of Redis Enterprise for having Redis as their deployment provider compared to their previous state:
 - Tremendous cost savings: Highly beneficial
 - Faster time to market: Highly beneficial
 - Reduced downtime: Highly beneficial
 - Higher, more stable performance: Highly beneficial
- Would like to move additional data from the following databases into Redis Enterprise:
 - RDBMS-es (Microsoft SQL Server, Oracle, MySQL)

Company Profile

The company featured in this case study asked to have its name publicly blinded because publicly endorsing vendors is against their policies.

TechValidate stands behind the authenticity of this data.

Company Size:
S&P 500

Industry:
Computer Software

About Redis Enterprise

Redis Labs, home of Redis, the world's fastest in-memory database platform, provides Redis Enterprise as a cloud service and as downloadable software to over 7,000 enterprise customers. The high performance, true high availability and seamless scaling of Redis Enterprise, are top-ranked by industry analysts, and power use cases such as high speed transactions, queuing, user session stores, and caching, in e-commerce, social, personalization, IoT, metering, fraud detection and other real-time applications.

Learn More:

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