

Medium Enterprise Financial Services Company Increases Database Management by Over 100% with Couchbase

Introduction

This case study of a medium enterprise financial services company is based on a July 2020 survey of Couchbase customers by TechValidate, a 3rd-party research service. The profiled company asked to have their name blinded to protect their confidentiality.



“We’ve been using Couchbase as a database to store user and merchant profiles, retrievable and updatable in real-time, while the user’s card transactions are processed and evaluated against potentially being fraudulent.”

“Memory-first NoSQL database with SQL support. Extreme durability and reliability with the help of replicas and services segregation. Extremely easy to maintain when deployed using Couchbase Autonomous Operator.”

“We’ve been using Couchbase only as a highly reliable, easy to manage and maintain key-value database.”

Challenges

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

- Experienced the following challenges prior to implementing Couchbase:
 - Scaling
 - Performance
- Evaluated the following vendors before choosing Couchbase:
 - Redis
 - Postgres

Use Case

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

- Values the following Couchbase features compared to other solutions they have used:
 - Flexible schema
 - Kubernetes
 - SQL++
 - XDCR
 - Memory-first architecture
- Is storing 10-50 million documents in Couchbase.
- Is storing 200 GB – 1 TB of data in Couchbase.
- Is running up to 50k requests/operations per second in Couchbase.
- Describes their Couchbase deployment:
 - Clusters: up to 10
 - Nodes: 10-50

Results

The surveyed company achieved the following results with Couchbase:

- Saw returned value immediately after implementing Couchbase.
- Rates the following improvements since working with Couchbase:
 - Increased operational efficiency: 100%+
 - Accelerated development cycles: up to 25%
 - Accelerated response times: 100%+
 - Experienced a more efficient help desk: 100%+
 - Experienced more efficient database management: 100%+
 - Improved application uptime & availability: 100%+
- Values their Couchbase application/deployment at tens of millions.

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:
Medium Enterprise

Industry:
Financial Services

About Couchbase

Couchbase provides an enterprise-class, multicloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform.

Learn More:

[Couchbase](#)