Small Business Computer Software Company Drastically Improves Operational Efficiency with Couchbase

Introduction

This case study of a small business computer software 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.

Challenges

The business challenges that led the profiled company to evaluate and ultimately select Couchbase:
- Experienced the following challenge prior to implementing Couchbase:
  - Replication
- Evaluated the following vendors before choosing Couchbase:
  - MongoDB
  - 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
  - Mobile capabilities
  - N1QL
  - XDCR
- Is storing 50 – 500 million documents in Couchbase.
- Is storing 200 GB – 1 TB of data in Couchbase.
- Is running 301k – 500k requests/operations per second in Couchbase.
- Describes their Couchbase deployment:
  - Clusters: up to 10
  - Nodes: up to 10

Results

The surveyed company achieved the following results with Couchbase:
- Rates the following improvements since working with Couchbase:
  - Increased query performance: 50-74%
  - Increased operational efficiency: 75%-100%
  - Accelerated development cycles: 50-74%
  - Accelerated response times: 75%-100%
  - Experienced a more efficient help desk: 75%-100%
  - Experienced more efficient database management: 50-74%
  - Improved application uptime & availability: 25-49%

Source: TechValidate survey of a Small Business Computer Software Company
Research by TechValidate