

Amadeus Drastically Improved Query Performance with Couchbase

Introduction

This case study of Amadeus is based on an October 2020 survey of Couchbase customers by TechValidate, a 3rd-party research service.

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
 - Replication
 - Reliability & resiliency
- Considered the following vendors before choosing Couchbase:
 - Oracle
 - Azure Cosmos

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
 - Full Text search
 - Kubernetes
 - XDCR
- Is storing up to 1,000,000 documents in Couchbase.
- Is storing 1 – 10 TB of data in Couchbase.
- Is running 301k – 500k requests/operations per second in Couchbase.
- Describes their Couchbase deployment:
 - Clusters: up to 10

Results

The surveyed company achieved the following results with Couchbase:

- Saw returned value within 9-12 months after implementing Couchbase.
- Rates the following improvements since working with Couchbase:
 - Lowered total cost of ownership: 50-74%
 - Increased query performance: 75%-100%
 - Increased operational efficiency: 50-74%
 - Accelerated development cycles: 75%-100%
 - Accelerated response times: 75%-100%
 - Experienced a more efficient help desk: 50-74%
 - Experienced more efficient database management: 50-74%
- Values their Couchbase application/deployment at more than 100 million.
- Rates Couchbase as 5/5 stars.

Company Profile

Company:
Amadeus

Company Size:
Large Enterprise

Industry:
Hospitality

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](#)