Trendyol Improves Query Performance by Over 100% With Couchbase

Introduction

This case study of Trendyol 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:
  - Having an expensive solution
- Considered the following vendors before choosing Couchbase:
  - Cassandra
  - Microsoft SQL
  - Postgres
- Considered the following cloud platforms before choosing Couchbase:
  - Amazon Web Services
  - Alibaba Cloud
- Selected the following cloud providers:
  - Alibaba Cloud

Use Case

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

- Chose their cloud platform for their organization for the following reasons:
  - Corporate initiative
- Values the following Couchbase features compared to other solutions they have used:
  - Flexible schema
  - Full Text search
  - N1QL
  - XDCR
  - Cache
- Uses Couchbase primarily for catalog & inventory.

Results

The surveyed company achieved the following results with Couchbase:

- Rates the following improvements since working with Couchbase:
  - Increased query performance: 100%+
  - Increased operational efficiency: 75%-100%
  - Accelerated development cycles: 75%-100%
  - Accelerated response times: 75%-100%
  - Experienced a more efficient help desk: 75%-100%
  - Experienced more efficient database management: 75%-100%
  - Improved application uptime & availability: 75%-100%

Source: Yusuf Kahveci, IT Manager, Trendyol

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