

## Industry

- [Retail](#)

## Customer application

- Price and promotions
- Stock
- Shopping cart
- Transport and tracking – IoT and real-time big data
- Product onboarding

## NoSQL solution

- [Customer 360](#)
- [Catalog & Inventory Management](#)

## Use case

- Profile management
- Product catalog
- Session store
- [Caching](#)

## Product

- [Couchbase Server](#)
- [Couchbase Mobile](#)

## Key features

- [NIQL](#)
- Multi-dimensional scaling
- Cross datacenter replication
- [In-memory database](#)



Couchbase powers catalog and inventory management at the third-largest retailer in the world measured by gross revenues, allowing Tesco to easily support tens of millions of products in-store and online for millions of customers. With Couchbase, Tesco can deliver a superior shopping experience, running price and promotions, stocking, shopping cart, supply chain, and new product apps with high performance and high availability.

## CHALLENGES

- Product data stored in multiple relational databases
- Needed fast, easy access/sharing for product data throughout the company and ability to store and update product data for 10M items
- Support frequently changing data and multiple data structures

## OUTCOMES

- Easily and inexpensively scales to support 10M products and 35K requests per second as well as seasonal Black Friday traffic
- Low-latency access to millions of documents for great customer experiences
- JSON enables flexible schema for changing SKUs and support for SQL and text-based queries

## About Couchbase

Unlike other NoSQL databases, Couchbase provides an enterprise-class, multi-cloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform. As a distributed cloud-native database, Couchbase runs in modern dynamic environments and on any cloud, either customer-managed or fully managed as-a-service. Couchbase is built on open standards, combining the best of NoSQL with the power and familiarity of SQL, to simplify the transition from mainframe and relational databases.

Couchbase has become pervasive in our everyday lives; our customers include industry leaders Amadeus, American Express, Carrefour, Cisco, Comcast/Sky, Disney, eBay, LinkedIn, Marriott, Tesco, Tommy Hilfiger, United, Verizon, as well as hundreds of other household names. For more information, visit [www.couchbase.com](http://www.couchbase.com).