LINKEDIN

Seamlessly growing the world's largest professional network

Industry

- High Tech

Customer application

- Social networking
- Single view for internal tooling

NoSQL solution

- Customer 360

Use case

- Caching
- Source-of-truth data stores
- Product catalog

Product

- Couchbase Server

Key features

- In-memory database

LinkedIn is the world's largest online professional network with 645+ million members. After outgrowing Oracle and then Memcached, LinkedIn chose Couchbase over MongoDB™ and Redis to be the caching solution for its source-of-truth (SoT) data store. Thanks to its ease of use and extremely low latency, Couchbase quickly became popular with site reliability engineers across the organization. Today, LinkedIn has a Caching as a Service team that uses Couchbase to support over 50 use cases companywide.

CHALLENGES

- Backend systems were crashing because Oracle couldn't effectively scale reads
- Memcached had reliability issues and was difficult to manage
- Needed built-in replication and cluster expansion without sacrificing high performance

OUTCOMES

- Couchbase is used for all in-memory storage in the datacenter, powering 10+ million queries per second
- Tremendous performance at scale, averaging <4ms latency for over 2.5 billion items
- Ease of use, built-in replication and cluster expansion, and automatic partitioning reduced operations costs

> "Couchbase is a highly scalable, distributed data store that plays a critical role in LinkedIn's caching systems."
>
> **Michael Kehoe**
>
> Senior Staff Site Reliability Engineer, LinkedIn

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.