

Key benefits

- Easily migrate from relational to NoSQL with full SQL on JSON
- Unparalleled performance at any scale
- Unmatched developer and DevOps agility and flexibility
- The easiest platform to manage from any cloud to every edge

Modernizing application development while achieving performance at scale

Enterprises are striving to digitally transform to better serve their customers. However, to remain competitive, applications require a level of flexibility, agility, and cost-effective scaling that simply can't be delivered in the rigid, complex, and expensive relational database environment. The reality is that the problem is not with the query language but with the underlying architecture. As a result, many enterprises have been building new applications or microservices on NoSQL.

Meanwhile, today's enterprises depend on a mix of multiple private and public clouds. To leverage the full benefits of these clouds, enterprises need frictionless data portability across multiple cloud platforms. They don't want to be locked into a particular cloud provider or its proprietary database. Moreover, as more and more modern web, mobile, and IoT applications emerge, the need to securely manage and sync data from any cloud to the edge becomes paramount.

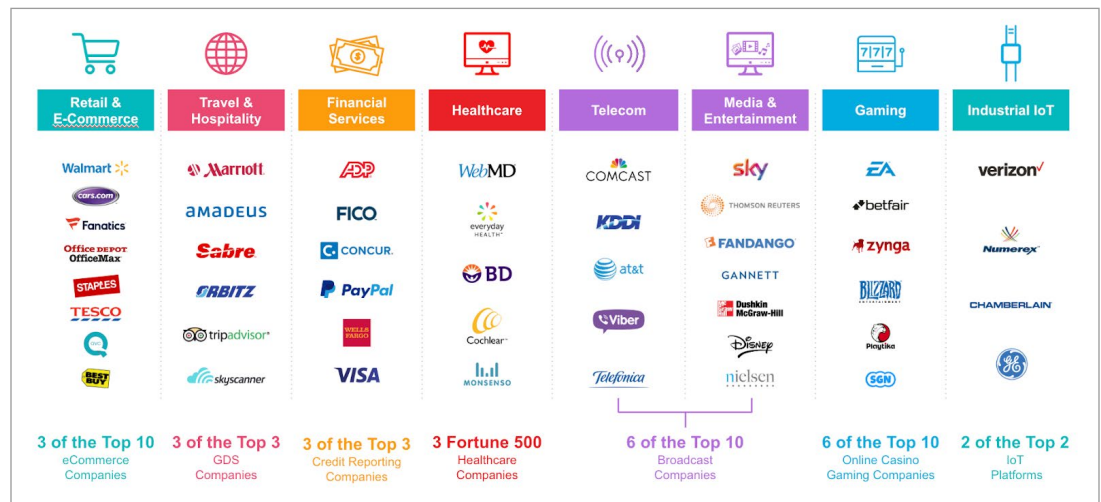


Figure 1: A proven NoSQL database chosen by industry leaders

AMADEUS

“Couchbase will allow Amadeus to leverage its throughput and low latency solution which will ease significantly the design and operation of our demanding online applications, clearly improving the online shopping experience in the process.”

– Dietmar Fauser,
VP, Architecture,
Quality & Governance,
Amadeus

Best of NoSQL, with the power and familiarity of SQL

Developed as an alternative to traditionally inflexible relational databases, Couchbase architected a SQL-compatible NoSQL database for today's data-intensive web, mobile, and IoT applications. Unlike other NoSQL databases, 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. 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.

Our cloud-native geo-distributed JSON document-oriented database and key-value store provides unmatched developer agility and manageability, as well as unparalleled performance at any scale. And with cross datacenter replication (XDCR) technology, as well as the Autonomous Operator for Kubernetes, Couchbase provides cloud interoperability, giving developers the freedom to pick any cloud.

AMADEUS

600M+ bookings per year at 8M ops/second and < 2.5ms latency



Mission-critical caching and 10M queries per second for 500M profiles



Single source of truth and five-nines availability for 35K+ flight crew



Seamless shopping at 300K writes per second and <1ms latency

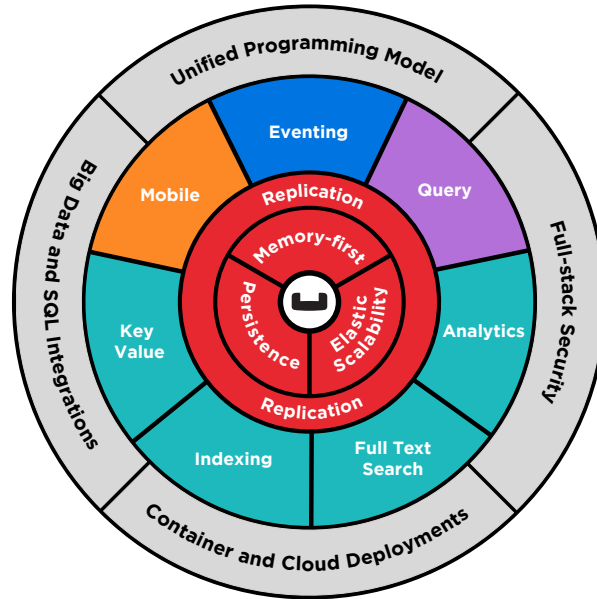


Figure 2: Couchbase NoSQL database architecture

Couchbase was architected with several differentiated capabilities:

- Shared-nothing, asynchronous, elastic architecture
- Consistent performance at any scale
- Always-on, globally distributed, edge-to-cloud
- Location and deployment agnostic
- Schema flexibility plus SQL
- Built-in replication
- Workload isolation with multi-dimensional scaling

Couchbase | NoEQUAL

Unmatched agility and flexibility

Enhance application development agility by capitalizing on a declarative query language, full-text search, and adaptive indexing capabilities, plus seamless data mobility.

- 19% faster development lifecycle
- 40% faster response

Unparalleled performance at scale

Handle any volume, volatility, or speed of data, any number of data sources, and any number of end users with an in-memory dataset process, smart optimization, and highly performant indexing.

- Applications run 10-20X better on Couchbase

The easiest platform to manage

Streamline configuration and setup, take advantage of multi-cloud agility, and help ensure availability with five-nines reliability.

- 37% more efficient database management
- 17% more efficient help desk support
- 14% lower database licensing costs

Learn more

To learn more, contact your Couchbase sales representative today or visit: couchbase.com | couchbase.com/downloads

About Couchbase

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