

Industry

- [Travel & Hospitality](#)

Customer application

- Inventory and price
- Reservation
- Personal Name Record
- Crew services

Solution

- [Customer 360](#)
- [Catalog & Inventory](#)
- [Field Service](#)

Use case

- User profile store
- Mobile wallet
- Pricing
- Product catalog

Product

- [Couchbase Server](#)

Key features

- N1QL
- Multi-dimensional scaling
In-memory database
- Cross datacenter replication

amadeus

Amadeus is a leading provider of travel software and solutions for the travel industry, with airlines alone using the technology to board over 1.8 billion passengers a year. As the biggest processor of worldwide travel bookings, Amadeus manages a huge daily workload and has absolutely no room for service outages. To keep up with its rapid growth and highly demanding end-users, Amadeus “boxes” its applications so they can be deployed on any private or public cloud. Amadeus uses Couchbase clusters and cross datacenter replication (XDCR) in all its datacenters to ensure high availability, resiliency, and a single source of truth for bookings.

CHALLENGES

- Optimize performance as “look to book” ratio continues to climb
- Decrease operational costs for Memcached and MySQL nodes
- Simplify management and replication to scale for 100% annual growth

OUTCOMES

- Fast performance delivers superior customer experience: 15M ops/sec., 99% <2.5 ms response time
- Multidimensional scaling adds improved agility: 17TB data set, 180TB usable storage
- Easy cross datacenter replication between clusters provides 5 nines of reliability

“What we value a lot is that Couchbase was able to embrace with us our vision to the cloud, and the fact that we wanted to operate data stores directly on PaaS.”

Vincent Bersin

Unit Manager, NoSQL Solutions, Amadeus IT Group

About Couchbase

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. 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.