Couchbase Mobile

The NoSQL database solution for mobile

"

Over the last 30 years, Ryanair has experienced exponential growth. Since we launched our new mobile app supported by Couchbase, we have increased app performance and decreased flight booking times from 5 minutes to 2 minutes. Couchbase Mobile has helped us achieve our user experience goals.

— Vladimir Atanasov,
Lead Developer,

RYANAIR

KEY FEATURES

Always Available, Always Fast

• Data is always available and fast with or without a network connection.

• Local data enables fast, consistent data reads, writes and queries.

• Amazing user experiences that go far beyond beautiful design.

Full-Featured

• Full read/write access, indexing and querying.

• Built-in multi-master sync with conflict resolution.

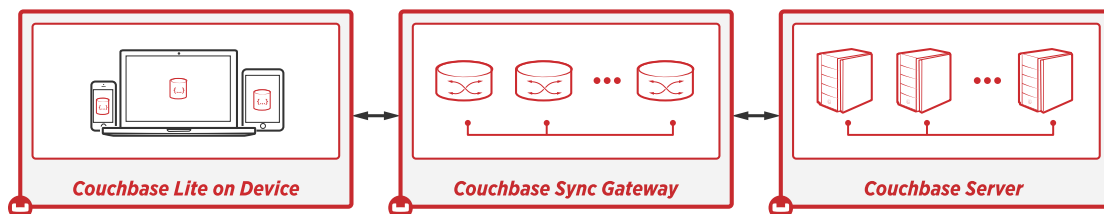• Peer-to-peer replication support.

What is Couchbase Mobile?

Couchbase Mobile is a NoSQL database solution that delivers the full power and flexibility of NoSQL to mobile. It's engineered to provide fast and consistent access to your data, with or without a network connection, removing the network dependency that traditional service-based approaches require.

It is comprised of three components:

- **Couchbase Lite:** Full-featured, on-device, lightweight, native, embedded JSON database.
- **Sync Gateway:** A highly scalable secure sync tier.
- **Couchbase Server:** A high performance, scalable, always-on JSON database in the cloud.

Data is written locally into Couchbase Lite for low latency read/write access. Couchbase Sync Gateway replicates changes within the system between Couchbase Server and Couchbase Lite.

Couchbase Lite on Device   *Couchbase Sync Gateway*   *Couchbase Server*

Use Cases

eCommerce — Push product catalogs and promotions to customers for offline browsing and shopping with mobile apps.

Field Sales — Push customer info and sales collateral to reps for offline access in the field, take notes while offline.

Point of Sale System — Collect customer and payment information in real-time, online and offline.

Games — Push top scores to online users, enable users to play offline, and enable users to chat online or offline.

Transportation — Collect telemetry data in real-time, save it, and replicate it to a remote db for aggregation and analysis.

Cross-Platform Support

• Supported on all major mobile platforms.

• Native iOS, Android, Windows, OS X, Linux and more.

• Quickly develop apps for multiple mobile platforms with a common code base using Xamarin or PhoneGap/Cordova.

Sync

• Secure synchronization between local and remote databases.

• Fine-grained data subsetting to control what data is synced between databases.

• Multi-master synchronization.

Secure Support

• Local file system encryption.

• Communication over SSL.

• Quickly develop apps for multiple mobile platforms with a common code base using Xamarin or PhoneGap/Cordova.

2440 West El Camino Real | Ste 101
Mountain View, California 94040

1-650-417-7500

www.couchbase.com

Use Cases (Continued)

Education — Store assignments, articles, and e-books on-device. Access content at home or school - anytime and anywhere.

Field Services — Collect the real-time data and output you need from multiple facilities. Save it, push it to a remote database, analyze it, and replicate it.

About Couchbase

Couchbase delivers the world's highest performing NoSQL distributed database platform. Developers around the world use the Couchbase platform to build enterprise web, mobile, and IoT applications that support massive data volumes in real time. The Couchbase platform includes Couchbase Server, Couchbase Lite - the first mobile NoSQL database, and Couchbase Sync Gateway. Couchbase is designed for global deployments, with configurable cross data center replication to increase data locality and availability. All Couchbase products are open source projects. Couchbase customers include industry leaders like AOL, AT&T, Bally's, Beats Music, BSkyB, Cisco, Comcast, Concur, Disney, eBay, KDDI, Nordstrom, Neiman Marcus, Orbitz, PayPal, Rakuten / Viber, Tencent, Verizon, Wells Fargo, Willis Group, as well as hundreds of other household names. Couchbase investors include Accel Partners, Adams Street Partners, Ignition Partners, Mayfield Fund, North Bridge Venture Partners, and West Summit.