



Couchbase Capella App Services

BUILD APPS FASTER AND CONNECT TO YOUR DATA ANYWHERE
WITHOUT MANAGING BACKEND SERVERS

Key benefits

- Fast, efficient bidirectional synchronization of data from the cloud to the edge
- SQL and full-text search support on the edge
- Always-on experience even without network availability
- Scalability from hundreds to millions of users
- Built-in enterprise-grade security to safeguard data

Enable modern mobile and edge apps that are always fast and always on

Couchbase Capella App Services provides a fully managed backend designed for mobile, IoT, and edge apps. Developers use App Services to securely access and sync data between the Capella DBaaS (database-as-a-service) and edge devices, as well as to authenticate and manage app users. With powerful features like offline-first data access, peer-to-peer sync and automatic conflict resolution, App Services enables developers to build apps that meet any speed or availability requirement. Take advantage of built-in efficiencies such as filters and channels to route data with precision, and delta sync to sync only data that has changed.

With support for SQL, full-text search, predictive queries with machine learning models, and eventing capabilities, Capella App Services helps developers quickly build secure, resilient applications that provide real-time responsiveness and guaranteed business uptime. End-to-end data encryption and fine-grained access control help safeguard data while a consistent programming model for building web and mobile applications simplifies development. You can also add capacity at any time to easily scale to millions of users as demand grows.

App Services' built-in sync and embedded database make it easy to deliver apps that are always fast and always-on with guaranteed data availability, even where network connectivity is intermittent or unavailable.





“BD leveraged Couchbase Mobile to radically change the traditional patient/ doctor relationship by enabling remote patients to share real-time health data with their doctors for immediate diagnostics and care.”

Architecture

COUCHBASE CAPELLA

A fully managed cloud database-as-a-service (DBaaS).

CAPELLA APP SERVICES

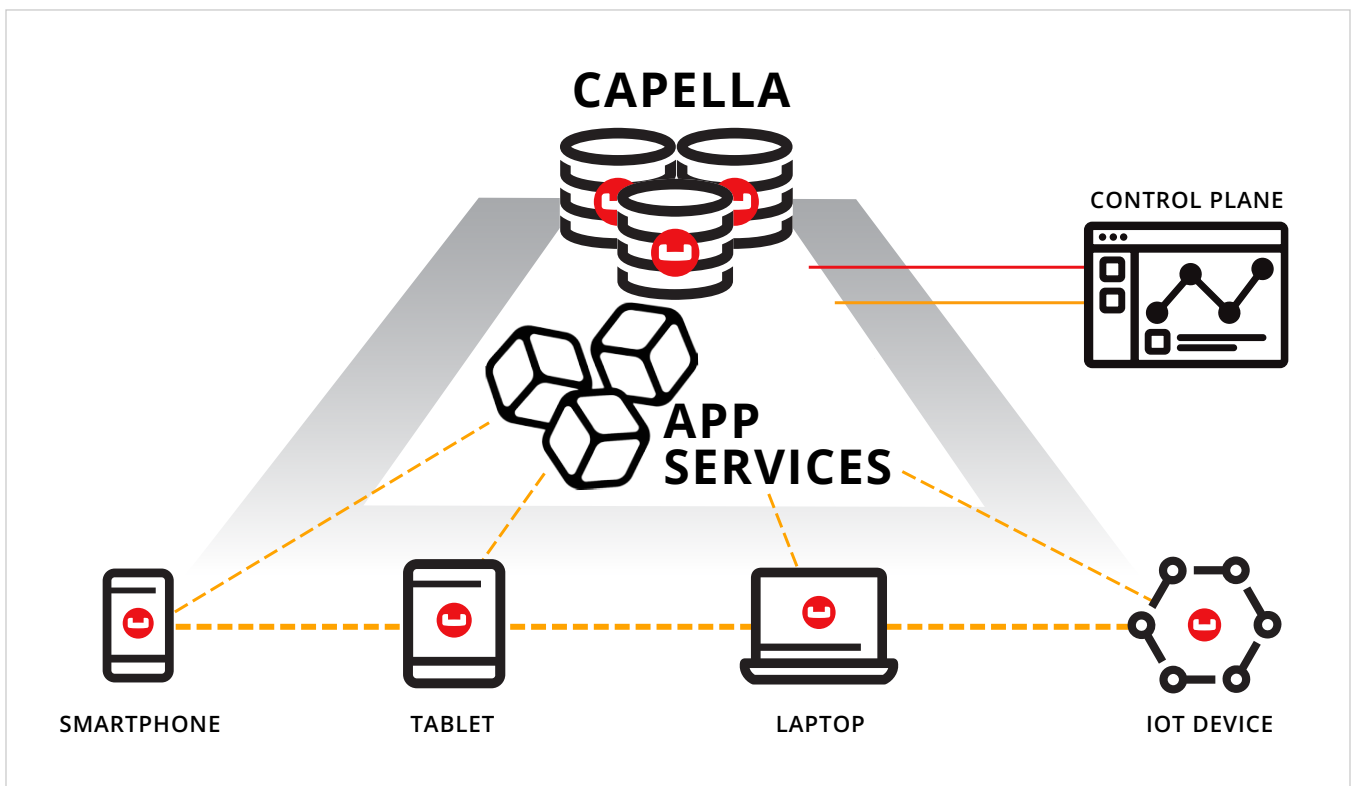
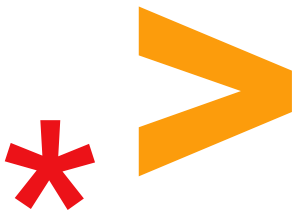
Fully managed services for file storage, bi-directional sync, authentication and access control for mobile and edge apps.

COUCHBASE LITE

An embedded mobile database deployed on mobile and edge devices.

Key enablers

- Ability to securely store and process data locally embedded within devices. Guarantee real-time responsiveness and business uptime and eliminate network dependencies.
- Ability to securely sync data from Capella DBaaS to edge devices. Leverage comprehensive sync technology to guarantee data integrity.
- Ability to operate in environments with low/no internet connectivity for extended periods of time. Guarantee an always-on experience for users.



COUCHBASE MOBILE CUSTOMERS



Always on package pickup app



Retail digital showroom app



Transforms patient experience



SYNC THINK®

Gaining new insights in brain injury



ENTERPRISE-GRADE SECURITY

Safeguard data and alleviate privacy concerns with built-in enterprise-grade encryption at rest and in transit.

SPEED AND RESPONSIVENESS

Guaranteed low latency and sub-millisecond data access times, regardless of internet bandwidth.

AGILITY AND FLEXIBILITY

Build seamless data sharing across multiple users and devices—online and offline. Capitalize on fast, efficient bidirectional synchronization of data from the edge to the cloud. Flexible data modeling lets you build applications that easily evolve over time, SQL++ offers familiar data access using concise declarative queries.

UNPARALLELED PERFORMANCE AT ANY SCALE

Deliver an always-on experience even with spotty networks and dropped connections. Scale from hundreds to millions of users with the flexibility to add capacity at the client tier (Couchbase Lite), middle tier (App Services), and storage tier (Capella DBaaS).

EASE OF MANAGEMENT

Safeguard data with built-in enterprise-grade security for the full stack. Encrypt data at rest as well as in transit. Apply fine-grained access control policies to ensure that only authorized users have access to relevant subsets of data.

LEARN MORE

To learn more, contact your Couchbase sales representative today or visit: www.couchbase.com/products/capella/app-services

FREE TRIAL

www.cloud.couchbase.com/sign-up

Modern customer experiences need a flexible database platform that can power applications spanning from cloud to edge and everything in between. Couchbase's mission is to simplify how developers and architects develop, deploy and consume modern applications wherever they are. We have reimagined the database with our fast, flexible and affordable cloud database platform Capella, allowing organizations to quickly build applications that deliver premium experiences to their customers—all with best-in-class price performance. More than 30% of the Fortune 100 trust Couchbase to power their modern applications.



For more information, visit www.couchbase.com and follow us on Twitter.

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