

# Financial Solutions with Couchbase on AWS: Speed, Agility, and Security for Financial Institutions

## VALUE TO AWS SELLERS

- Couchbase clusters can (and do) expand into thousands of node instances
- Deal velocity for Capella land and expand
- Major migration and modernization opportunities for AWS to partner with Couchbase
- Private offers are the preferred transaction route for Couchbase sellers
- Private offers are compensation positive for Couchbase sellers

## AWS FIELD ALIGNMENT PROGRAMS

- ISV Accelerate +
- SaaS Revenue Recognition
- AWS Marketplace Seller
- Workload Migration Program
- Data & Analytics Competency
- Linux2 Service Ready
- Local Zones, Wavelength, Graviton, Outposts Service Ready

## Couchbase and AWS

Couchbase helps enterprises address the growing data challenges of AI development and deployment and streamline how they build secure, agentic AI applications at scale. With seamless AWS integration, our scalable, high-performance data solutions empower generative AI-powered applications, driving increased cloud consumption, accelerating customer innovation, and delivering exceptional value to our shared customers within the AWS ecosystem. By unifying data and AI models on a single platform, we simplify workflows, enabling enterprises to maximize value and push the boundaries of generative AI.

## What is Couchbase?

Couchbase is a versatile NoSQL database that delivers fast, scalable, and flexible data solutions tailored for modern applications. It provides seamless scalability, real-time data management, and mobile synchronization. Couchbase's memory-first architecture allows for low-latency, high-throughput operations, making it ideal for handling dynamic user interactions and personalized experiences in financial services. Its flexible JSON model allows developers to implement updates and adjustments without disrupting applications, while its integration across cloud, edge, and mobile environments ensures consistent and reliable shopping experiences.

## Why Couchbase and AWS for Financial Services?

The integration of Couchbase with AWS offers financial services companies a secure, globally distributed, and highly scalable solution for mission-critical applications. AWS's infrastructure provides security, compliance, and elasticity for dynamic data requirements, while Couchbase's low-latency, memory-first design supports real-time insights and transactions. Together, Couchbase and AWS allow financial companies to scale efficiently during high-demand periods, reduce operational complexities, and improve cost management with AWS's pay-as-you-go model and Couchbase's real-time developer data platform.

## Industry Challenges

- **Fraud Detection** – Financial services companies struggle with detecting rapidly evolving fraud tactics in real time, often due to data silos and slow processing, which increases the risk of financial losses and compromises customer trust.
- **Risk Management** – Managing vast, complex datasets while ensuring regulatory compliance is difficult, often resulting in slower risk responses and potential regulatory penalties.
- **Market Analysis and Trading** – High-frequency trading requires sub-millisecond processing, but legacy systems struggle with low-latency demands, leading to missed trading opportunities.



## COUCHBASE ON AWS MARKETPLACE

### Couchbase Capella

A fully-managed, AI-ready Database-as-a-Service on AWS

### Couchbase Server

Self-managed database deployable on AWS

### Couchbase Mobile

A mobile database platform that includes a cloud database, an embedded database, and automatic data sync

## CONNECT WITH OUR TEAM!

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- **Mobile Offline Capability** – Financial Services professionals may require data access to deliver on customer needs for mobile banking in remote or low-connectivity areas. Building applications that can function offline and sync data later is challenging.
- **High Availability** – Financial Services applications often need to be available 24/7 to support global mobile, online banking, and transaction requirements. Downtime or data unavailability can have severe cost and operational consequences.

## Key Benefits of Couchbase and AWS for Financial Services

- **Enhanced Fraud Detection and Prevention** – Leverage Couchbase in-memory processing and real-time analytics to analyze vast datasets instantly, to build distributed applications that identify fraudulent activities as they occur, while AWS's secure infrastructure ensures protected data processing and regulatory compliance.
- **Personalized Customer Experiences** – Couchbase is the foundation for personalized data management applications that enable financial services companies to capture customer spending patterns, transaction behaviors and financial goals to deliver more personalized services. Paired with AWS's customer engagement tools enhance personalized service and strengthen customer loyalty.
- **Improved Risk Management and Compliance** – Couchbase allows firms to make programmatic, data-driven decisions and proactively manage financial risks. This, combined with AWS's secure data storage to make informed risk management decisions.
- **Immediate Transactions and Market Data Analysis** – Utilize Couchbase's in-memory processing and AWS's low-latency infrastructure to gain an edge in high-frequency trading and build market analysis applications. Make faster, more informed investment decisions.
- **Scalability and Performance for Mission-Critical Applications** – AWS's global infrastructure, coupled with Couchbase's distributed architecture, ensures reliable operation of financial applications during peak loads and minimizes downtime.

## Couchbase Financial Services Customers



BR—DGE

EQUIFAX

FICO



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 run 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](http://www.couchbase.com) and follow us on X (formerly Twitter) @couchbase.

