

Enterprise-class, multi-cloud-to-edge, NoSQL Database

Why Couchbase Server?

- Easy migration from relational to NoSQL with full Structured Query Language (SQL) on JavaScript Object Notation (JSON).
- Unparalleled performance at any scale.
- Unmatched developer and DevOps agility and flexibility.
- The easiest platform to manage from any cloud to every edge.
- Shared-nothing, asynchronous, elastic architecture.
- Always-on, globally distributed, edge to cloud.
- Location and deployment agnostic.
- Workload isolation with multi-dimensional scaling.

Product overview

Couchbase Server is a NoSQL database that delivers unparalleled performance at scale, on premises and in any cloud. It features memory-first architecture, built-in cache, geo-distributed deployment, and workload isolation. Couchbase excels at supporting business-critical applications at scale while maintaining sub-millisecond latencies and 99.999-percent availability.

Product features

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.

Unparalleled performance at scale

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

Easy platform to manage

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



Advanced
Technology
Partner

Data & Analytics
Competency

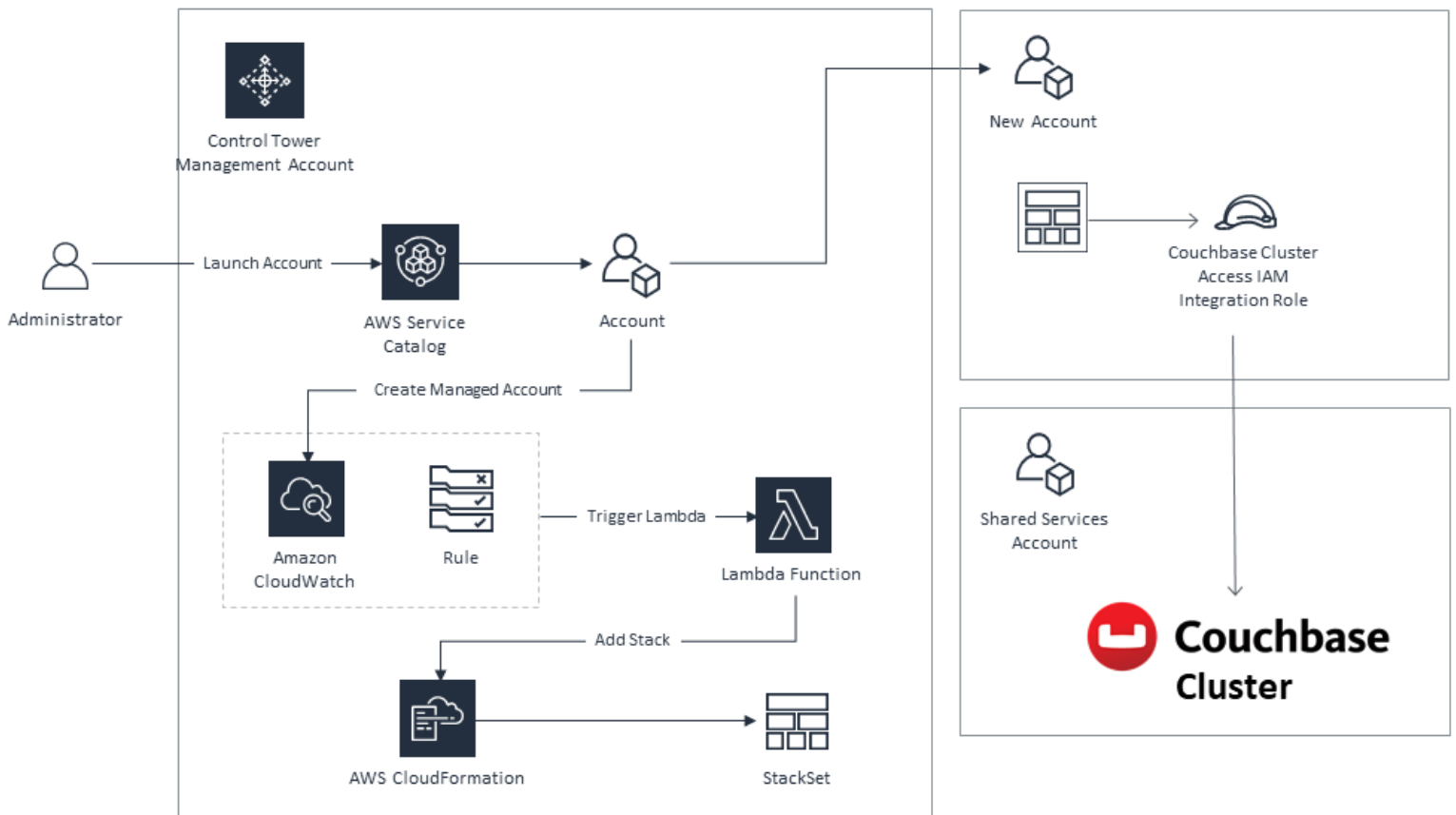
Marketplace Seller

Amazon Linux 2

How it works

Amazon Web Services (AWS) Control Tower provides the easiest way to set up and govern a secure, multi-account AWS environment. AWS Control Tower with Couchbase Server allows for the automatic set up of the managed accounts and establishment of the trust relationship with the Couchbase Server. Run Couchbase Server from the management account (i.e., primary AWS Control Tower Account).

AWS Control Tower provides a cross-account identity and access management (IAM) role in each managed account. This helps to establish the trust relationship with the Couchbase server in the management account. With AWS Control Tower, builders can access the Couchbase Server instances across accounts in a few clicks.



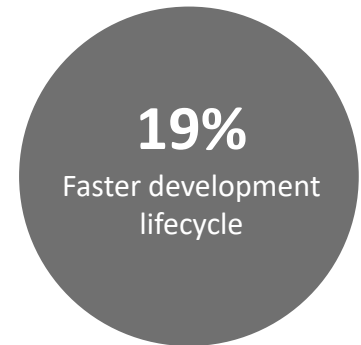
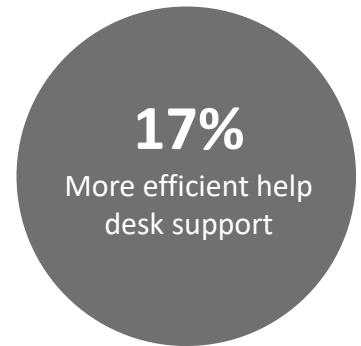
Differentiators

- Multi-Dimensional Scaling (MDS) delivers revolutionary distributed architecture, providing compute, storage, and processing workload partitioning to meet ever-changing requirements.
- Couchbase Eventing enables user-defined business logic to be triggered in real time on the server when application interactions create changes in data.
- SQL++-based N1QL can be used for analytics to run ad-hoc, analytical queries on operational data, while leveraging a massively parallel processing (MPP)-query engine.

Additional Resources

- [NoSQL whitepapers](#)
- [Couchbase Academy](#)
- [Webinars](#)

Data Points



What our customers are saying

SyncThink Builds New Insights into Brain Injury with Couchbase on AWS

Challenge

SyncThink needed a robust, mature data platform ready to support cloud and mobile integration, which worked even if there's spotty connectivity. It also required enterprise grade security to meet rigorous patient privacy regulations.

Solution

SyncThink selected Couchbase for its mature, robust, and mobile-ready platform. For SyncThink, Couchbase and AWS are better together by providing best practices for flexible application development, data security, scaling, and resource usage.

Benefits

- Easily scalable performance for mobile applications
- Fast, automatic sync speeds up concussion assessments after injury
- Built-in enterprise security supports Health Insurance Portability and Accountability Act (HIPAA) compliance
- Easy admin keeps dev team focused on product



SYNC**THINK**

About SyncThink

Founded in 2008, SyncThink is a next gen neurotechnology company that delivers a digital health platform for assessing brain health, managing recovery, and optimizing performance.



Couchbase

About Couchbase

Couchbase empowers developers and architects to build, deploy, and run their mission-critical applications. The company delivers a high-performance, flexible, and scalable modern database that runs across the data center and any cloud. Many of the world's largest enterprises rely on Couchbase to power the core applications their businesses depend on.

“ The Couchbase sync capabilities are very impressive. Teams can test multiple players simultaneously, then sync a large amount of data seamlessly. ”

Daniel Beeler, Chief Technology Officer, SyncThink

Solution available in [AWS Marketplace](#)