

Couchbase Capella on AWS

Ease, Flexibility and Speed Fully Managed Database-as-a-Service

Couchbase Capella is our award-winning database as a fully managed service. It is the easiest and fastest way to begin with Couchbase, eliminating your database management efforts.

Challenges

Cost control is driving shifts to NoSQL-powered applications in the cloud

The uncertain economic conditions in 2021 are driving enterprise IT departments to reconsider breaking norms in order to lower operational costs across the board. According to Forrester, IT departments will be cutting budgets by 10 to 20%. This is likely to increase migrations to the cloud, even for the oldest, most precious data resources and applications powered by them. Analysts are also recommending that database-powered applications need to improve their ability to adapt to changing requirements because today's economy will change again, which makes adopting a flexible, NoSQL database an appealing alternative. Traditional considerations such as security, scalability, manageability and performance must not be ignored either.

The Couchbase Capella Solution

A flexible, high-performance NoSQL database, secured in AWS

Couchbase Capella is a fully managed database-as-a-service featuring clusters of Couchbase Server, secured and scaled within AWS. Because it's Couchbase, it has the in-memory performance of popular key-value data stores, the flexibility of JSON document databases, the familiarity of SQL and the unmatched scalability of AWS. Capella's allows customers to secure and control their data, in whatever region it resides. Customers can choose their AWS instances and performance-match their Couchbase services to that infrastructure, which simultaneously saves money and optimizes the cluster configuration. Couchbase Capella managed all clusters from a single console, where administrators can deploy, configure, scale, upgrade and monitor them, worldwide. Capella supports on-premises migration into AWS as well as replication across datacenters and AWS regions. Couchbase Capella offers impressive node-for-node price performance over other NoSQL systems and dramatically lowers your long-term total cost of ownership.

Why Choose Capella

Capella delivers industry-leading database flexibility and performance at scale for enterprise applications, with the best price performance of any fully managed document database. Try it for free and be up and running in minutes.



As easy as SQL

If you know SQL, the world's most common database language, you'll love our SQL for JSON query language. You will be able to deploy in a few clicks and the service will be fully managed forever. And using a single management pane you will be able to configure for multi-cluster, multi-region, and multi-cloud high availability.



Blazing fast

Couchbase's customers rely on Couchbase for tens of millions of operations per second and response times measured in microseconds. Our mix of no compromises, high performance and massive scale means our customers use our platform for missioncritical applications that they have not entrusted to others.



Develop with agility across your use cases

We provide sophisticated multimodel capabilities including JSON document query, supporting relational structures, key-value access, full-text search and real-time analytics. Capella supports operational, transactional, and analytical workloads.



The lowest TCO at scale

Our hyper-scalability means that price performance keeps improving as you scale. Capella lets you do more for less, compared to competing solutions, node for node, dollar for dollar.

Key Features



Fully Managed

Automated setup, backups, upgrades, ongoing management to deliver an "always-on" service, eliminating your operational time and efforts.



Enterprise-Grade Performance

Our memory-first high-performance architecture, which is masterless and asynchronous, ensures the same lightning-fast results for the millionth user as the first.



Development Flexibility

A JSON document and key-value database at heart, with SQL access, built-in full-text search, eventing and analytics capabilities across your use cases.



High Availability

We guarantee global reliability of your data throughout countries and zones via native replication across geo-aware clusters, all day, every day.



Automated Scaling In/Out and Up/Down

Easily add, remove or change nodes to meet your current needs. Couchbase will rebalance the deployment automatically.



Self Monitoring, Self Healing

We proactively monitor clusters 24x7 to locate, assess and resolve issues automatically.



Single Pane for Multi-cluster, Multi-region

Our control plane manages data across clusters and across clouds, allowing you to be cloud provider agnostic.



Security Peace of Mind

Delivering end-to-end encryption from the SDK to the disk. Granular role-based access control with built-in inheritance awareness.

Case Study

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.

Challenges

Amadeus needed to improve the scale and performance of its airline search and ticketing service. Amadeus is the engine behind scores of popular travel booking sites. They sought out Couchbase to provide a high-performance caching and replications system to support their global ticketing service.

Solution

Amadeus deployed Couchbase to many cloud regions and took advantage of cross datacenter replication to ensure that all customers received up-to-date accommodation and flight availability to their worldwide audience.

Results

Amadeus has scaled their business as demand for reservations skyrocketed from 2013 through 2019. As reservation requests fluctuate, they have been able to elastically match their workloads to current demand, saving millions managing their own datacenters.

Couchbase Capella on AWS is cost effective

Couchbase Capella on AWS provides exceptional value. It is built as an AWS-native offering that includes support for S3 and the customers' choice of hourly or reserved EC2 instances for each cluster node. Customers are encouraged to use hourly, per-instance pricing for development and testing. Additionally, they can spend even less by selecting Couchbase's Developer Pro subscription which relaxes support service level SLAs and saves over 35% from the 24x7 Enterprise subscription. When it is time for Couchbase Capella to run in production, customers can utilize pre-paid credits with a minimum of 20% discount.

Get started with Couchbase Capella on AWS

Visit AWS Marketplace or www.couchbase.com/products/capella to purchase or start a free trial today.





At Couchbase, we believe data is at the heart of the enterprise. We empower developers and architects to build, deploy, and run their mission-critical applications. Couchbase 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.

For more information, visit www.couchbase.com.

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