

COUCHBASE AND AMAZON WEB SERVICES

Cross datacenter replication (XDCR)

Leverage multiple Amazon Web Service (AWS) regions to improve data locality, achieve higher availability, and enable faster disaster recovery with multi-master, multi-site deployment via built-in, bidirectional cross datacenter replication (XDCR).

Zone awareness

Leverage multiple AWS Availability Zones (AZ) for high availability and fast failover by configuring server groups to replicate data to multiple AZs within a region.

Multi-Dimensional Scaling (MDS)

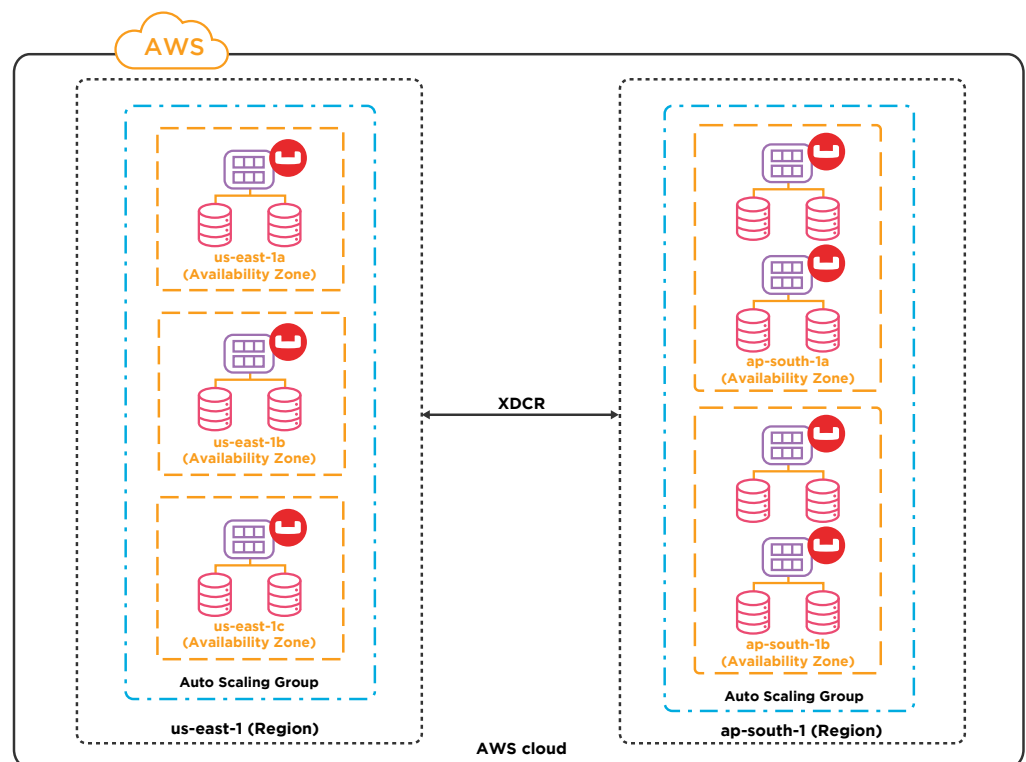
Leverage multiple AWS instance types to improve resource utilization and reduce operational costs by enabling Multi-Dimensional Scaling to run different services (e.g., data, index, query, Full Text Search (FTS), and Analytics) on different instance types – optimizing resource allocation.

Geographically distributed deployment on Amazon Web Services

Couchbase Data Platform, which includes Couchbase Server and Couchbase Mobile, allows enterprises to deliver exceptional customer experiences with applications that are built faster, perform better, and are easier to manage. Built on the most powerful NoSQL technology, it provides unmatched agility and manageability – as well as unparalleled performance at any scale.

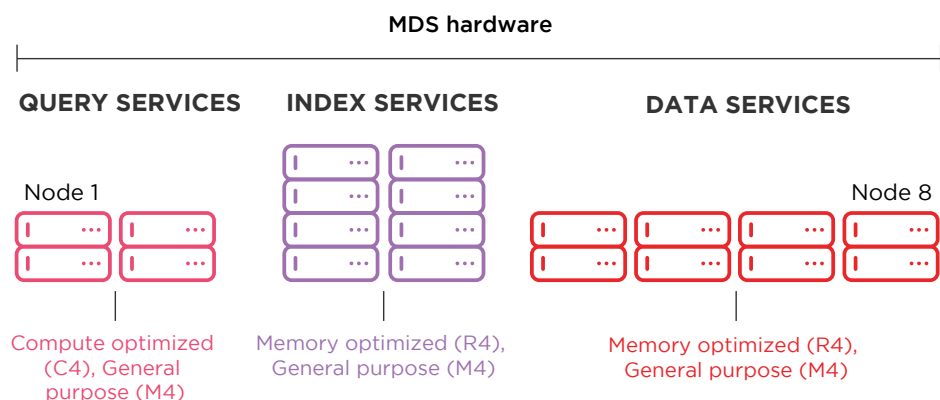
XDCR and server group benefits

Improved data locality, better high availability, faster disaster recovery.



Multi-Dimensional Scaling (MDS) benefits

Better resource utilization, reduced operational costs, improved workload isolation.



Top use cases

- User profile database
- Session database
- Entitlement management
- Operational dashboarding
- Inventory and availability
- Asset/resource management
- Catalog
- Metadata
- Customer 360 view
- Field service enablement
- Device user data management
- Endpoint data management

GAMING

Pokémon GO has been downloaded more than 500 million times while, according to Apple, setting a record for the number of downloads within its first week. Expecting millions of new users due to the launch of Pokémon GO, The Pokémon Company International chose to modernize its legacy profile management service – replacing its relational database with Couchbase Server on AWS. Administrators leverage Multi-Dimensional Scaling (MDS) to deploy the query, index, and data services to a separate AWS instance, enabling them to scale out the query and index services independent of the data service and without downtime.



SOCIAL

Viber, with over 750 million users, is one of the largest and fastest growing mobile messaging apps in the world. Couchbase Server on AWS was chosen to meet increasing performance, scalability, and availability requirements due to continued growth – adding over one million users a day, and performing over two million operations per second. By leveraging built-in rack and zone awareness and cross datacenter replication (XDCR), Viber deployed multiple Couchbase Server clusters to multiple AWS Regions and Availability Zones, supporting a global user base with better performance, higher availability, and faster disaster recovery.



Learn more

Visit: www.couchbase.com/partners/aws

About Couchbase

Couchbase's mission is to be the data platform that revolutionizes digital innovation. To make this possible, Couchbase created the world's first Engagement Database. Built on the most powerful NoSQL technology, the Couchbase Data Platform offering includes Couchbase Server and Couchbase Mobile and is Open Source. The platform provides unmatched agility and manageability — as well as unparalleled performance at any scale — to deliver ever-richer and ever more personalized customer experiences.

MEDIA

Gannett, one of America's largest media companies, reaches over 100 million users a month via USA Today and 92 other local and national websites. Gannett migrated its content management system, Presto, to Couchbase Server on AWS to improve performance and scalability. Couchbase Server was selected for its memory-centric architecture – initial load tests exceeded 300,000 operations per second using eight r3.8xlarge instances. With more than 2,700 journalists around the world, Gannett deployed Couchbase Server in multiple AWS regions by leveraging built-in cross datacenter replication (XDCR).

GANNETT

TRAVEL

Ryanair is the largest European airline by scheduled passengers carried and the busiest international airline by passenger numbers. Last year, the company was facing major performance and user experience issues due to their traditional REST mobile architecture. Intermittent network connectivity coupled with scaling challenges was resulting in booking times taking at least 5 minutes to complete. Now, with Couchbase Mobile, Ryanair provides a truly amazing user experience for its 3+ million mobile users, having decreased booking time to under 2 minutes.



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