Overview

Before launching your project using Couchbase Cloud, ensure success by engaging Couchbase experts to review your application architecture and Public Cloud account to ensure readiness for a Couchbase Cloud deployment.

The **Cloud Readiness Review** program is intended for project(s) where there is an understood and well-defined use case with design/architecture phases on-going, or later on to review and validate an existing architecture with its deployment.

The program includes a review of existing and planned architectures, applications, data modeling, and operations. Our consultants (Couchbase experts) will work with client architects, developers and DevOps resources to assess the Couchbase environment and determine, according to Couchbase best practices and NoSQL design principles, the changes required to successfully meet your business and technical requirements.

Specifically, this program includes the following:

Use Case Analysis

- A review of the application use case and overall system requirements.

- This allows the Couchbase team to understand the use case in much greater detail and provide targeted architectural recommendations.

Data and Document Modeling

- A review of the planned document modeling approach followed by a document modeling exercise based on the application data access requirements (key/value, index-query, search, events, analytics).

- Best practices on JSON document management strategies (embed vs. non-embedding, schema versioning).

Couchbase Topology and Cloud Account Review

- Couchbase experts review your Couchbase Cloud deployment, including settings, system resources and tuneables, bucket configurations, Indexes (GSI & Views), N1QL+Analytics queries, Eventing functions, and XDCR configurations.

- Review the connected public cloud in the Couchbase Cloud and the stack resources it has created.

- Review the Organization users and the Project users in the Couchbase cloud.

Sizing Exercise

- This includes a sizing exercise for all Couchbase Cloud clusters based on the information gathered in prior sessions to ensure your SLA, throughput and latency requirements are met.

- How the recommended sizing maps to the different "node types" in Couchbase Cloud.

- Multidimensional Scaling (MDS) deployments approach in Couchbase Cloud.

- Server Groups and setting up for resiliency and high availability.

- Review the namespaces and Couchbase clusters created for the project.

Operational Practices

- Guidance on N1QL query and GSI index tuning.

- What metrics to monitor to gauge cluster health and performance.

- How to backup data in Couchbase Cloud.

- How maintenance activities and version upgrades are approached in Couchbase Cloud.

- How to secure your Couchbase Cloud cluster.

Engagement Approach

The typical approach for a Cloud Readiness Review engagement is as follows:

- An initial meeting is held remotely to understand the client's application and discuss the desired focus of the engagement.

- Couchbase will request pre-requisites based on the focus of the engagement, type of Public Cloud being utilized (AWS, Azure, GCP), including architecture diagrams and configurations to prepare for the on-site engagement.

- On-site engagement dates are planned and logistics are discussed with clients including the required resources that should be in attendance during the review.

- On-site engagement follows. All discussions here will be confidential and information is collected only to help with architecture, data design, and sizing recommendations.

Deliverable: This will include a report with all the recommendations reviewed with the client on-site and any additional recommendations.

Time and Duration: This engagement provided up to a total of **5 days of Couchbase consultant time**.

Expenses: Reasonable travel and expenses incurred in conducting on-site activities at the client's site shall be billable to and paid by the client upon receiving invoice with expense report and receipts.

About Couchbase

Unlike other NoSQL databases, Couchbase provides an enterprise-class, multicloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform. As a distributed cloud-native database, Couchbase runs in modern dynamic environments and on any cloud, either customer-managed or fully managed as-a-service. Couchbase is built on open standards, combining the best of NoSQL with the power and familiarity of SQL, to simplify the transition from mainframe and relational databases.

Couchbase has become pervasive in our everyday lives; our customers include industry leaders Amadeus, American Express, Carrefour, Cisco, Comcast/Sky, Disney, eBay, LinkedIn, Marriott, Tesco, Tommy Hilfiger, United, Verizon, as well as hundreds of other household names. For more information, visit www.couchbase.com.

Couchbase
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