

# Architecture Review Program

## Overview

Before launching your project using Couchbase, ensure success by engaging Couchbase experts to review your application architecture and deployment implementation.

The **Architecture Review Program** is intended for deployments with fewer than three use cases. The program includes a review of existing and planned architectures, applications, data modeling, and operations. Our consultants (Couchbase experts) will work with client architects and developers 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.
- Couchbase Topology Review
  - 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) and Couchbase Views review.
- Data and Document Modeling
  - Couchbase experts review your deployment, including Couchbase settings, system resources and tuneables, bucket configurations, Views and XDCR configurations.
- Sizing Exercise
  - This includes a sizing exercise for all Couchbase clusters based on the information gathered in prior sessions to ensure throughput and latency requirements are met.
- Operational Practices
  - A review of your monitoring, backup, failure handling and maintenance practices with recommendations to improve the availability of your clusters.

## Engagement Approach

This program is provided on-site as a **three-day engagement**.

The typical approach for an Architecture 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, including architecture diagrams and configurations to prepare for the on-site engagement.
- On-site engagement dates are planned and logistics are discussed with clients.
- 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 provides up to a total of **3 days of Couchbase consultant time on-site**. An additional 10 hours of remote time is included for deliverable creation and review.

**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.



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