

## Overview

The Advanced Query Tuning service can be used to support a project in its development phase after a preliminary data model has been defined and the needs for querying capabilities are well understood. The package can also be used to optimize the next version of an application that is already in production.

Specifically, this service includes:

- Review the use case and its requirements for data access, including the query capabilities and requirements for performance and consistency
- Choose the query technology and specific features to meet identified requirements
- Review the existing data model and query design
- Help with challenging query and index designs
- Discuss the best practices for query design and performance tuning
- Identify the performance issues in the existing deployments
- Find and optimize slow queries
- Review and optimize the set of indexes in the cluster
- Review cluster sizing for relevant query services

## Engagement Approach

A typical Advanced Query Tuning engagement follows these steps:

- We hold an initial meeting remotely to gain an understanding of your use case and the status of the project, and to discuss the desired focus of the engagement.
- Based on the focus of the engagement, we request prerequisites such as requirement and design documents.
- Together, we plan on-site engagement dates and discuss logistics.
- The on-site engagement begins. All discussions are confidential, and information is collected only to help with the query design and optimization.



### **Deliverable**

We'll provide a written report that summarizes the results of the query design review and the performance analysis, general recommendations, and concrete query designs developed during the visit.

### **Scope**

The engagement will be restricted to one Couchbase use case or project deployment.

### **Expenses**

Reasonable travel and expense costs incurred in conducting on-site activities at your site shall be billable to and paid by you upon receiving an invoice with an expense report and receipts.

### **Learn More**

To learn more, contact your Couchbase sales representative today or visit:

[www.couchbase.com](http://www.couchbase.com)

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### **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](http://www.couchbase.com).

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