



Advanced Query Tuning

ENHANCE QUERY PERFORMANCE AND OPTIMIZE COUCHBASE EFFICIENCY

Key benefits

- **Faster time to value:** Accelerate deployment and enhance operational efficiency to maximize your return on investment with Couchbase.
- **Reduced risk:** Proactively identify and resolve query-related issues before they can impact production or cause service disruptions.
- **Operational control:** Achieve greater control over performance, costs, and resource management to ensure optimal efficiency and reduce overhead.
- **Couchbase expertise:** Use our deep expertise in NoSQL to ensure that your queries and data models are fully optimized for high performance.

Overview

The **Advanced Query Tuning** service is designed to address all your potential query issues before deployment and in production or to resolve any performance concerns within your production environment. Our Professional Services team collaborates with your architects and developers to fine-tune your queries and provides expert guidance and best practices to ensure successful testing, staging, and preproduction transitions. With our assistance, you can ensure that your queries are optimized for peak performance and scalability.

Engagement approach

The Advanced Query Tuning service offers end-to-end support in identifying and optimizing slow or complex queries. Our team works closely with you throughout the entire process – development, preproduction, and after go-live – to ensure queries are tuned for the best possible performance. The engagement follows these key stages:

1. Assessment

- Understand project environments, challenges, and historical performance issues.
- Review the use case and data access requirements to ensure performance and consistency goals are met.

2. Query performance review:

- Evaluate the data model, indexes, query plans, and monitoring metrics.
- Identify and optimize slow queries to improve response times and resource utilization.



3. Implementation assistance:

- Address performance bottlenecks and implement optimizations in both the preproduction and production environments.
- Provide ongoing support to ensure long-term query efficiency.

Scope

The Advanced Query Tuning service is tailored to your specific use case or project requirements and focuses on optimizing individual queries or sets of queries based on performance analysis.

Deliverables

At the end of the engagement, you'll receive a customized report that includes:

- A detailed summary of the query design review and performance analysis.
- General recommendations for query optimization.
- Specific query designs and performance improvements implemented during the engagement.

Expenses

Travel and on-site expenses are billed separately and will be documented with a detailed expense report that includes receipts for transportation, accommodations, and other necessary costs incurred by the Professional Services team during the engagement.

Learn more

To learn more about how Couchbase can assist with your upgrade or migration, please contact your Couchbase sales representative or visit our website: www.couchbase.com



Modern customer experiences need a flexible database platform that can power applications spanning from cloud to edge and everything in between. Couchbase's mission is to simplify how developers and architects develop, deploy and run modern applications wherever they are. We have reimagined the database with our fast, flexible and affordable cloud database platform Capella, allowing organizations to quickly build applications that deliver premium experiences to their customers – all with best-in-class price performance. More than 30% of the Fortune 100 trust Couchbase to power their modern applications. For more information, visit www.couchbase.com and follow us on X (formerly Twitter) @couchbase.

