

FULL-TEXT SEARCH

Integrated JSON search on the Couchbase Data Platform



START A REVOLUTION

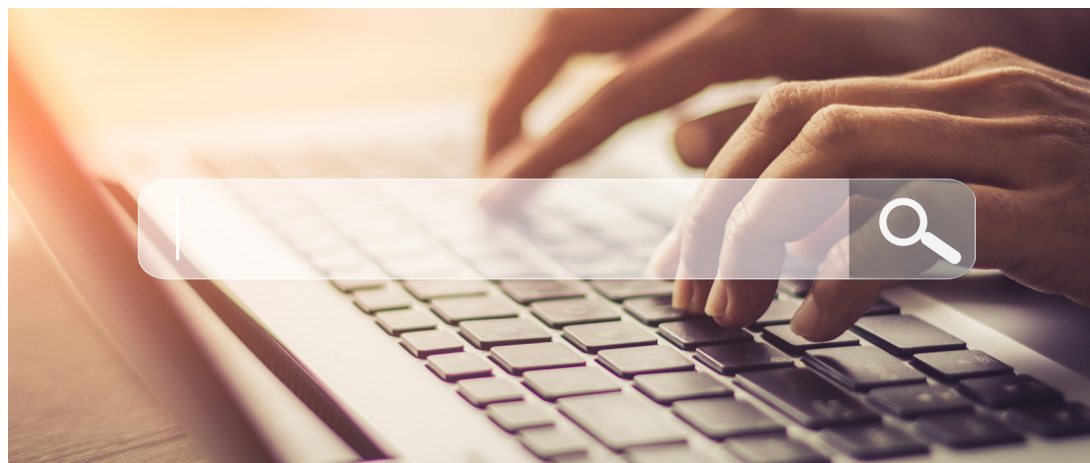
Key benefits

- Reduce time coding search applications through a single platform
- Search unstructured JSON data directly on both mobile and web applications
- Scale service up and down to meet any business needs
- Safeguard data with built-in enterprise-grade security

Extracting information from unstructured data is challenging

Modern applications need much more than simple predicate-based queries which rely on well-defined search terms. They need the benefits of facets, relevance scoring, advanced queries, fuzzy logic, and more. But no matter which third-party text search engine you use for your search needs, things like maintenance and setting up external services can prove challenging.

Specifically, synchronizing data and indexes separately on disparate search and database systems is labor-intensive which reduces productivity. Using multiple vendors creates duplicate costs for search and database system licensing, training, and support, increasing the total cost of owning the technology stack. And multi-system architectures make it harder to centrally manage role-based access control and security policies, reducing the security and reliability of the whole system.



Liberate your JSON data with real-time search

Enterprises can maximize return on investment on their existing Couchbase deployments by immediately enabling Full-Text Search (FTS) on their operational data. This out-of-the-box integration with the Couchbase Data Platform delivers enhanced capabilities from the database, increases productivity, and simplifies maintenance. Developers can get started easily with the integrated web user interface for building indexes and testing search queries quickly.

Native support of FTS in Couchbase Server and Couchbase Mobile enables developers to build amazing search experiences for customers in the cloud or on edge devices. With built-in end-to-end data encryption and fine-grained access control, data can be safeguarded from one central place, while a consistent programming model for building web and mobile apps simplifies development using client SDKs and REST APIs.

FTS also leverages the Multi-Dimensional Scaling capability of the Couchbase Data Platform to deliver predictable performance of real-time operational and search queries from a heterogeneous system.

Key features:

- Powerful English language analyzers built into the search system, along with support for nineteen other languages from community libraries
- Built-in search results scoring and sorting to streamline development experience
- Centrally managed role-based security from database to search
- Rich graphical web user interface for configuring and prototyping search applications

“At Seenit, we depend on our database to store hundreds of gigabytes of data associated with our videos, including entities, visual tags, transcriptions, and sentiments. We already extensively use N1QL for our structured querying, but now with full-text search integrated into Couchbase, we can seamlessly search all this data and derive relevance-based intelligence using a single data platform.”

– Dave Starling,
CTO





Helps businesses create compelling, collaborative videos to improve customer experience and engagement



Powers full-text searches on tens of millions of customers for faster, more accurate customer-360 information

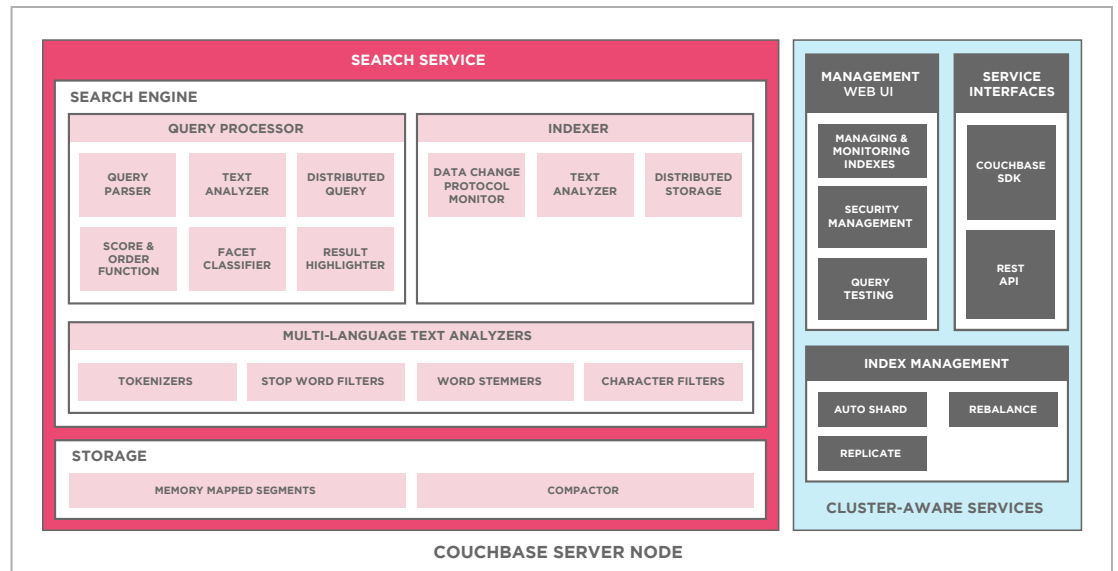


Figure 1: Couchbase's Full-Text Search provides comprehensive indexing and search features, including natural language text analysis, all while taking advantage of the distributed scalability of the overall data platform.

Integrated search platform delivers agility, simplicity, and security

Unmatched agility and flexibility

Full-Text Search sifts through unstructured JSON data from device to web applications, making it easier for developers to build engaging applications. Plus, developers spend less time coding with a single-platform approach.

Unparalleled performance at any scale

Full-Text Search capabilities are integrated into the Couchbase Data Platform, so you can scale search with Multi-Dimensional Scaling to meet any business demands. No third-party search solution is needed, and no additional Couchbase download or installation is required. Simply enable the feature, create an index, and start searching right away.

Easiest platform to manage

A single-platform search service eliminates the need for third-party integrations and enables management stability with centralized role-based security from server to edge.

Learn more

To learn more, contact your Couchbase sales representative today or visit: couchbase.com/products/full-text-search | couchbase.com/downloads

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 to help deliver ever-richer and ever-more-personalized customer and employee experiences. Built with the most powerful NoSQL technology, the Couchbase Data Platform was architected on top of an open source foundation for the massively interactive enterprise. Our geo-distributed Engagement Database provides unmatched developer agility and manageability, as well as unparalleled performance at any scale, from any cloud to the edge.



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