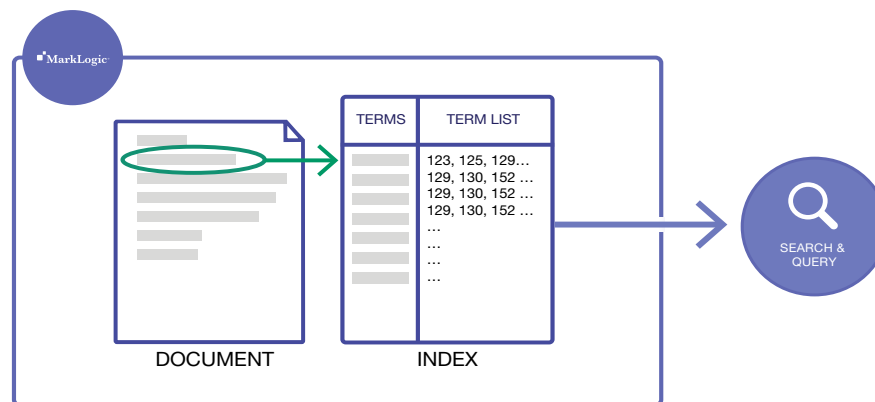


# “Ask Anything” Universal Index

MarkLogic® is a database with the heart of a search engine, providing a single platform to load data from silos and query across all of that data. MarkLogic requires less time and effort to build and configure indexes for standard queries, and does not require a bolt-on search engine for full-text search like other databases. MarkLogic uses an “Ask Anything” Universal Index that indexes data immediately when it is loaded, and you can immediately begin asking questions of your data.

- Index at ingest and query endlessly across all of your data
- Scale to petabytes of data and billions of documents
- Unlimited real-time alerts on new data at time of ingestion
- Lightning fast, sub-second results



## Sophisticated Indexes

MarkLogic ingests all of your data, regardless of schema. This includes JSON and XML documents, RDF triples, geospatial data, and large binaries. All of that data is immediately indexed at ingest using MarkLogic’s “Ask Anything” Universal Index. In addition, for certain data types and queries, MarkLogic has even more indexes.

- **Index “everything”** – The Universal Index indexes the content and structure of documents immediately at ingest, including words, phrases, relationships, and values
- **Index even more** – Toggle range indexes, geospatial indexes, the triple index, and reverse indexes on or off based on your data, the kinds of queries that you will run, and your desired performance
- **Get real-time results** – Search data using JavaScript, XQuery, SPARQL, and SQL, and get lightning fast, sub-second results over a transactional repository that provides a fully consistent view of your data
- **Ingest multi-lingual content** – Load content in over 200 languages and get advanced support including tokenization, collation, and stemming for core languages



## Key Search Features

When it comes to search, MarkLogic has all the key features expected of an enterprise-grade search engine. These key features are listed below, and a more complete list can be found in the Search Guide at [docs.marklogic.com/guide/search-dev](https://docs.marklogic.com/guide/search-dev).

- **Robust full-text search** – Search across all of your data using a word or phrase and rely on Boolean logic, stemming, wildcards, case sensitivity, punctuation sensitivity, diacritic sensitivity, and search term weighting
- **Type-ahead suggestions** – See results as you type, including relevant suggestions for words and phrases
- **Co-occurrence relationships** – Search for pairs or N-tuples of specified elements across disparate data sources
- **Document structure** – Not just content, structure too. Search for specific XML tags in the hierarchy of documents
- **Facets** – Show a sidebar of aggregate counts based on categories
- **Snippeting** – Return snippets of documents to show context
- **Highlighted search terms** – Highlight search terms or phrases in results
- **Proximity boosting** – Push results higher based on whether terms are found in closer proximity
- **Relevance ranking** – Tunable, document-level “page ranking” based on term frequency and other variables
- **Explicitly sorted results** – Order by relevance or metadata (string, numerical, or date and time formats)

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## Advanced Features

The following advanced enterprise features are also integrated directly into MarkLogic:

- **Geospatial Search** – Search across data that has geospatial coordinates using complex queries and get precise results
- **Semantic Search** – Expand search based on relationships (e.g., a search for “cardiac catheter” can be expanded to include anything related to “implantable devices” by using a semantic ontology)
- **Advanced Language Support** – Tokenization, stemming, and collation for Arabic, Chinese (Simplified), Chinese (Traditional), Dutch, French, German, Italian, Japanese, Korean, Norwegian, Persian (Farsi), Portuguese, Russian, Spanish

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## About MarkLogic

MarkLogic is the world’s best database for integrating data from silos, providing an operational and transactional Enterprise NoSQL database platform that integrates data better, faster, with less cost. Visit [www.marklogic.com](http://www.marklogic.com) for more information.

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