

Semantic Search by Cortical.io

An application that uses our unique meaning-based algorithm to resolve ambiguity and vocabulary mismatches

Quick facts

- Identifies content by meaning, not keywords
- Searches terabytes of data, orders of magnitude faster
- Quick, unsupervised training with reference material
- No database or metadata management required
- Continuous learning from user feedback
- Adds new terms on the fly, without retraining
- Search query can be a word, a text, or even a sample document

A search engine that understands natural language

The Cortical.io Semantic Search Engine is a search system based on artificial intelligence (AI) that picks out precise, relevant information from hundreds of your company's documents and puts that information at your fingertips.

One search engine, many use cases



Enterprise Search

Find any document in your repositories, based on meaning, not keywords



Handbook Search

Suggest meaningful answers to your customers, even when their language does not match the user documentation vocabulary



Profile Search

Filter the right candidates through a simple comparison with a job profile



Information Discovery

Find relevant information about competitors and scientific publications and identify prior art



Product Search

Recommend relevant products, even when customers are missing the right keyword



Support Intelligence

Search previously solved support cases to quickly solve new, similar customer requests



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Finding the right information has never been so easy

How it works

Setting up:

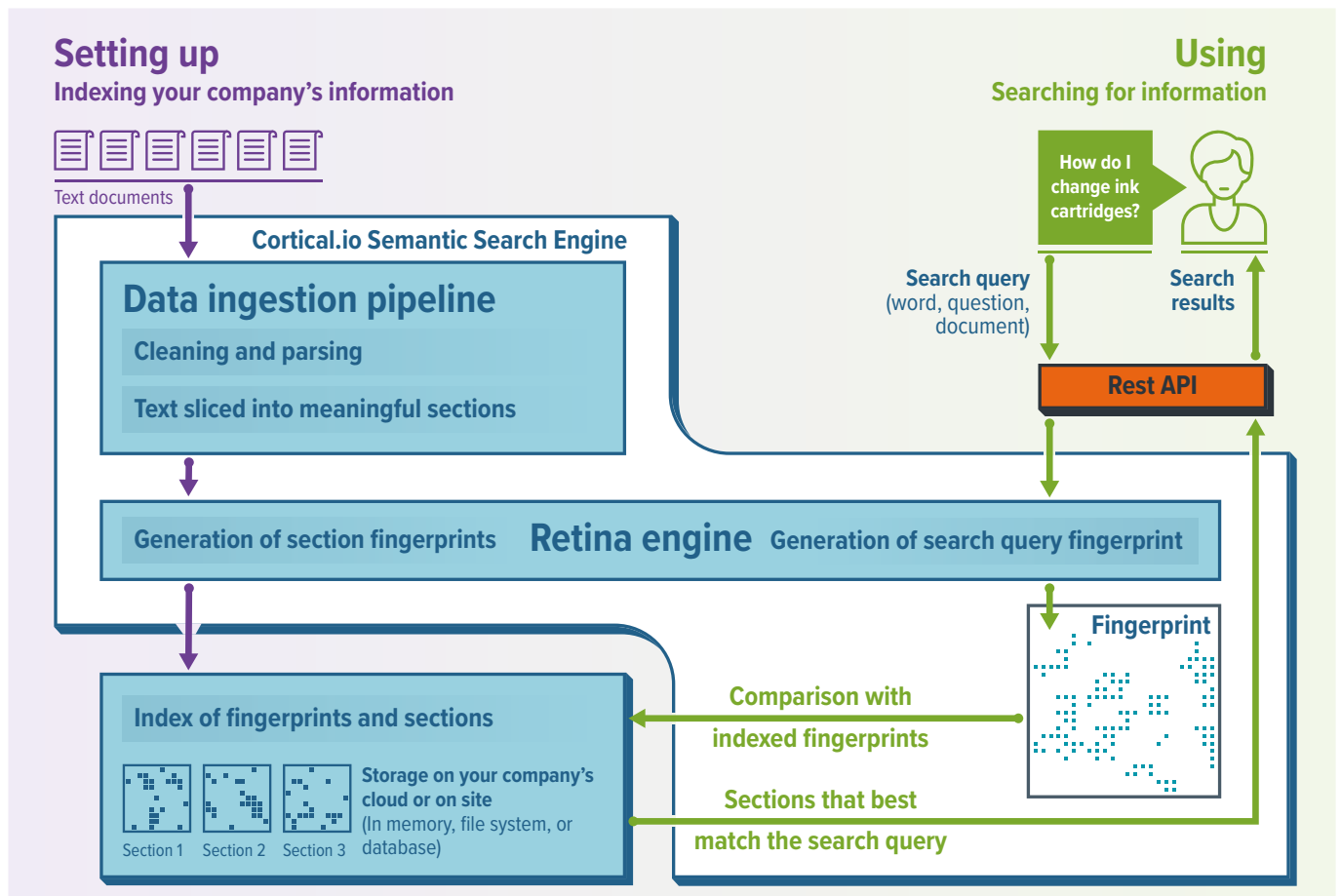
Indexing your company's information

- The documents are cleaned and sliced into meaningful sections
- The meaning of each document section is numerically encoded as a semantic fingerprint
- An inverted index of section fingerprints is generated
- You can easily add, change, or delete document sections in the index

Using:

Searching for information

- You enter a search query that consists of words, semantic expressions, text, or sample documents
- The system numerically encodes the meaning of the search query as a semantic fingerprint
- The fingerprint of the search query is instantly compared with the fingerprints of the indexed documents
- Results are ranked based on semantic similarity
- Accessible through a REST API



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