

# Semantic Search by Cortical.io

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

## Quick facts

- Represents every word with roughly 16,000 semantic features, which allows for very fine semantic distinctions
- Requires little training material, which is particularly helpful in use cases where such material is scarce
- Takes only a few hours to index your entire repositories
- Is customized to your use case and fully operable within a few days
- No database or metadata management required
- 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 picks out precise, relevant information buried in terabytes of text repositories and instantly puts it at your fingertips. By measuring the semantic overlap, the engine is able to match a query with indexed information even if they do not use the same words.

## 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 vocabulary used in the documentation



### 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:

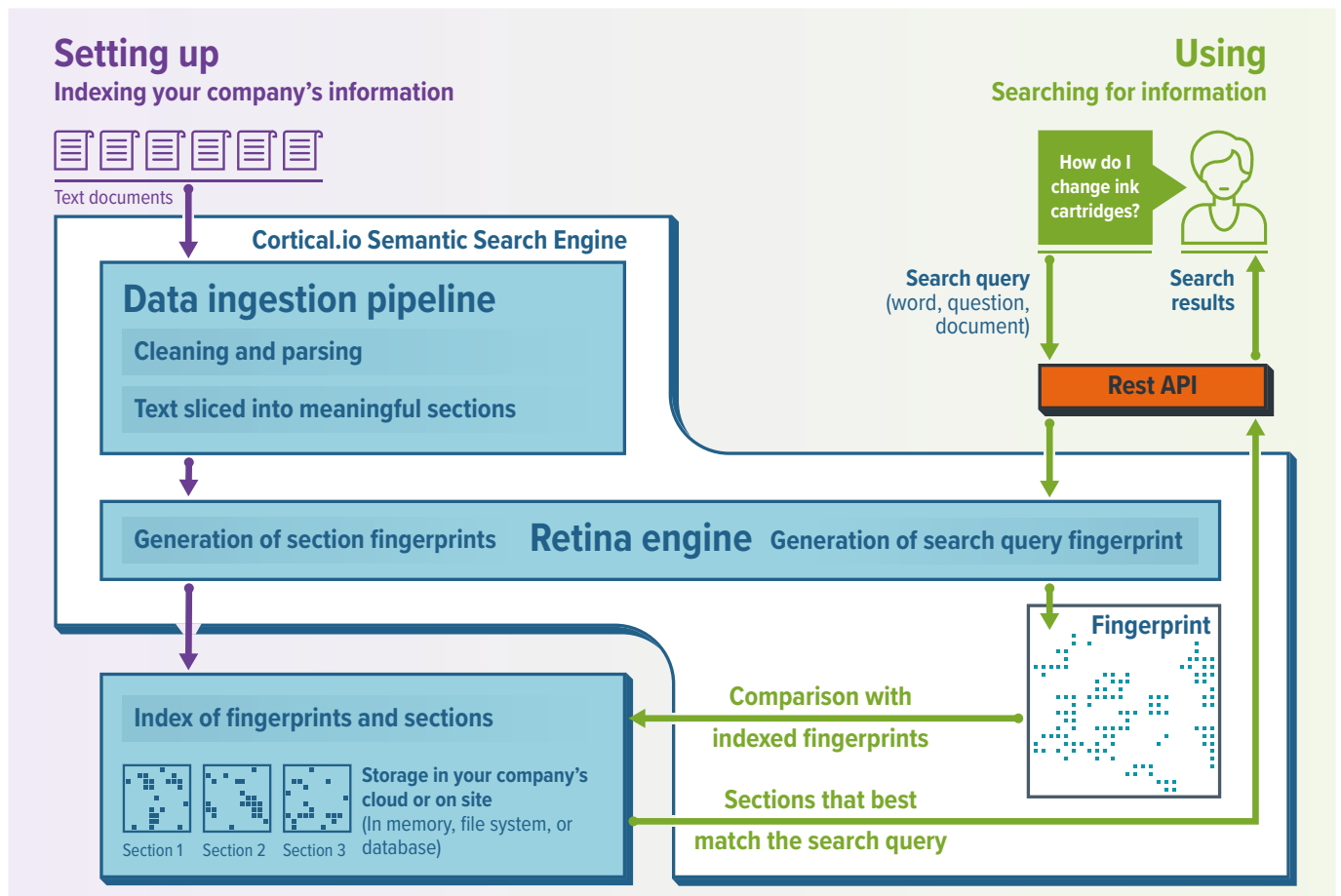
#### Indexing your company's information

- 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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