Fast, Precise and Intuitive Natural Language Processing

Cortical.io's brain-like technology helps to understand the meaning hidden in Big Text Data.

What we offer



With the Retina Engine, you can now develop intelligent applications that analyze text in real time, in any language.

What our customers are saying

"The results delivered by the Retina API are so fast and efficient that we could not have built our Content Optimizer without Cortical.io."

semantics.

Scott Johnson, Founder & CEO, Zoomrank

Learn more

Visit us at www.cortical.io to try our demos and learn more about our technology.

information discovery, etc.



Retina API:

Compare the semantic content of two texts with a single call to the API

Highlights

- Extract keywords, get context terms, disambiguate words and sentences, create a category filter with just one click
- Uses semantic space instead of keywords and enables Text context-based search
- Very simple to use without any prior experience in NLP or linguistics
- Works across languages, e.g. compares directly an English text with a Spanish one
- Highly computationally efficient: enables real-time NLP
- No configuration or parameter tweaking
- Customizable via unsupervised learning for any language and domain



Because of their small size, Cortical.io fingerprints require only 10% of the memory usually required to perform complex NLP operations. Execution on modern superscalar CPUs can be orders of magnitudes faster, terabytes of data can be processed efficiently.

Retina API Features:

Perform complex NLP operations with single calls to the API:

- Get similar terms
- Extract keywords
- Slice a text into sub-sections corresponding to semantic changes
- Tokenization
- Use Boolean operators to refine queries
- Measure the **semantic similarity** between two terms, texts or expressions
- Get a visual representation of the semantic overlap of two terms, texts or expressions
- Create a category filter
- Send bulk requests

About Cortical.io:

Cortical.io develops and commercializes Natural Language Processing (NLP) solutions based on its proprietary Semantic Folding technology, which offers a fundamentally new approach to handling Big Text Data. Inspired by the latest findings on the way the human neocortex processes information, Cortical.io represents language with highly efficient semantic fingerprints. The Cortical.io Retina is the first semantic engine that can process terabytes of unstructured text in real time, for any language and business domain – thus enabling global businesses to leverage the value Big Text Data has to offer. The company was founded in 2011 and holds a broad general license for Numenta's HTM technology. Cortical.io has offices in in Vienna, Austria, and the San Francisco Bay Area.

cortical.io A partner of

For additional information, please visit www.cortical.io

Access:

- Free public API available at www.cortical.io (fair usage)
- Available as private API instance on major cloud platforms like Amazon Web Services and Microsoft Azure
- Easy switch from free trial API to production system
- REST API
- Java, JavaScript and Python client libraries

If you are interested in high performance semantic text processing, please consult the product fact sheet for the Retina Spark.