



SemanticPro

Intelligent Document Processing

Unlock the value hidden inside your data





Cortical.io SemanticPro Intelligent Document Processing solution streamlines your content processing workflows with its innovative approach to natural language understanding. It extracts, classifies, analyzes, and routes large volumes of unstructured documents, emails, text, and message streams automatically and accurately at scale. Cortical.io SemanticPro cuts through the clutter, decreasing error prone manual review cycles to deliver better business outcomes.

The SemanticPro Difference

Exceptional accuracy with unstructured data

Greater reduction in review cycle times versus manual processing

Achieve ROI faster

Up to 80% reduction in manual labor with faster time to deployment

Transform business workflows

Improve service quality and focus workforce on high-value tasks

Turn data into actionable insights

Maximize revenue and reduce risk with real-time data analysis

An IDP solution based on meaning

Interprets meaning from text even when the wording is different to accurately search, compare, classify, and analyze unstructured data such as insurance policies, legal documents, PDFs, presentations, emails, and social media posts.

Empower your business users with IDP

Intuitive low-code user interface is designed for your business users to easily build and refine AI models using any document type and starting with as few as 100 documents – No in-house AI experts needed.

Works with your existing business tools and workflows

Seamlessly integrates with your CRM, CLM, and business intelligence tools, as well as with existing human-in-the-loop or automated business processes.

Unmatched flexibility and customization

Easily deployable to the cloud, highly customizable and can be configured as two independent modules – SemanticPro Extract and Analyze, SemanticPro Classify and Automate, or combined for a comprehensive solution with unlimited possibilities.

SemanticPro Transforms Your Business

Fortune 500 Insurance Company

Goal: Increase the efficiency and quality of their quoting workflow

Results: 30% reduction in manual labor, more timely and accurate quotes

International Transportation Company

Goal: Customize email processing in customer centers

Results: Quick and accurate extraction of relevant terms from hundreds of thousands daily emails.

“After using Cortical.io SemanticPro for over a year, a recently conducted internal study showed a decrease in error rates and overall improvement in quality.”

- Tim Harper, Head of Quote, UNUM Operations

SemanticPro Extract & Analyze

Streamline your document processing workflow

SemanticPro Extract & Analyze automatically extracts and classifies information from large quantities of documents quickly that is difficult to achieve at scale with manual labor or other automation tools. Based on the meaning of words, it accurately extracts information from documents defined by business users and finds and classifies unstructured text and sentences even if the language is different. Organizations have used SemanticPro Extract & Analyze to reduce review cycle times, focus workforce on high-value tasks, and gain efficiencies in human-in-the-loop and automated business workflows.

SemanticPro Classify & Automate

Automatically process messages and documents in real-time

SemanticPro Classify & Automate automatically classifies and routes unstructured message streams such as email messages (including attachments) and social media text to appropriate mailboxes, and enterprise applications for real-time review, analysis, and action. Based on the meaning of words, it extracts information from messages and attachments accurately and includes language and sentiment built-in classifiers. With SemanticPro Classify & Automate, organizations reduce messaging processing costs, improve response times, and accelerate time to market.



SemanticPro – One solution endless possibilities



Intuitive low code UI accelerates time to market, allows business users to create custom pipelines and build AI models with minimal training data.



Quickly build highly accurate custom semantic classifiers and fine-tune them for increased accuracy.



Automatically and accurately interpret and classify information extracted from unstructured data based on user-defined extractions unique to your organization.



Seamlessly connect to wide variety of enterprise business tools with REST API architecture – transform your processing workflows and drive better business decisions.



Integrated dashboards with drill-down capabilities provide at-a-glance reporting on the performance of AI models, classifiers, and user-defined workflows.



Advanced semantic search cuts through the clutter with a meaning-based approach to filter content across documents, extractions, annotations and message streams.

A Game-Changing Approach to Natural Language Understanding

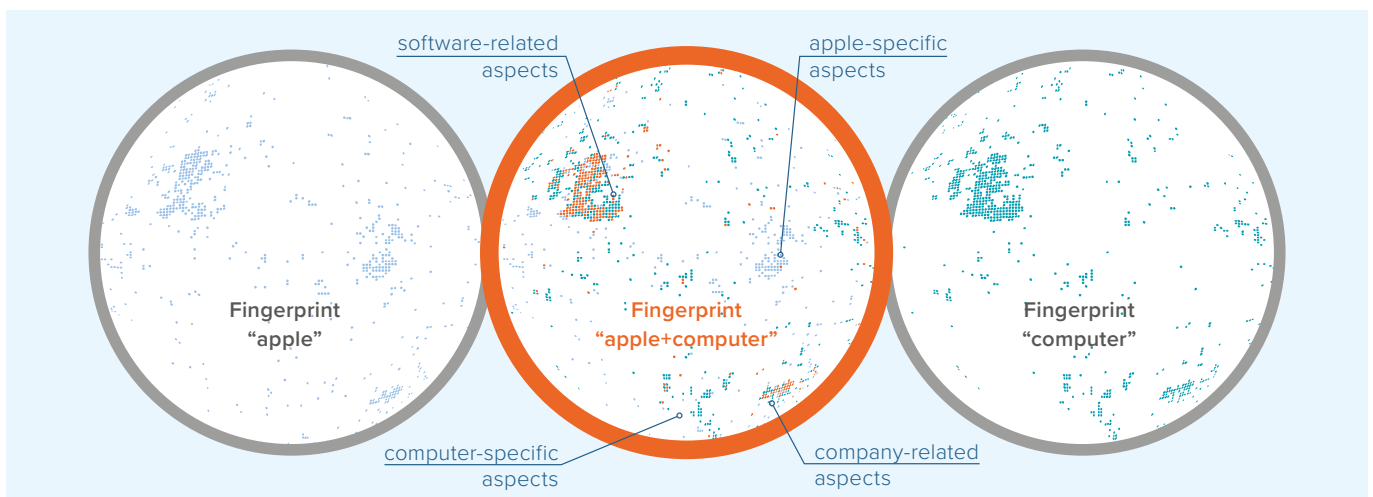
SemanticPro is based on Cortical.io patented Semantic Folding theory, a unique approach that combines high accuracy, efficiency flexibility and transparency.

Cortical.io creates a new paradigm for Natural Language Understanding (NLU) that overcomes the limitations of other artificial intelligence approaches. Inspired by neuroscience, Semantic Folding converts text into a semantic fingerprint – a fine-grained, numeric representation that encodes all contexts of text and is computationally highly efficient.

Semantic Folding is a real differentiator in addressing the challenges of processing unstructured text as it enables SemanticPro to get accurate results with

as little as one hundred annotated examples, even when the language is ambiguous, and the content is not standardized. SemanticPro easily scales to other use cases and languages and supports transparent inspection of results, enabling enterprises to meet compliance requirements.

With SemanticPro, enterprises can quickly implement a custom NLU solution and generate actionable insights within a few weeks, limiting their risk and investment.



Unlocking Value by Understanding Natural Language

Cortical.io delivers highly efficient AI-based solutions that help enterprises unlock the value of unstructured text by leveraging a game-changing approach to Natural Language Understanding (NLU). Cortical.io SemanticPro is an intelligent document processing solution that accurately extracts, analyzes and classifies information based on meaning and builds the basis for document workflow automation. With more than 10 years expertise in implementing NLU solutions in the enterprise, Cortical.io has demonstrated its ability to solve the challenges of language ambiguity and variability across many use cases and verticals for Fortune 500 companies.

Key Benefits of Semantic Folding

- ▶ High Accuracy
- ▶ High Efficiency
- ▶ High Scalability & Flexibility
- ▶ High Transparency & Explainability

