

Entity-Based Search in Quantexa News API

News Intelligence processes and applications rely on accurate search capabilities to pinpoint and uncover what matters in millions of news articles published globally every day. Entity-based searches are more precise than keyword searches, significantly reducing noise and false positives, enabling you to focus on the news that matters, and deliver business insights in your media intelligence apps and processes.



5.6 million

Entities recognised

↑ 65%

More entities recognised than competitors *



95%

Precision for S&P 500 and Russell 2000 company entities **

THE PROBLEM: TOO MUCH NOISE

Relying on keywords to find business insight amongst the deluge of daily global news is no longer effective or efficient. As a result data quality is low, important signals are missed, and precious time is wasted.

THE SOLUTION : INTELLIGENT ENTITY-BASED SEARCH

Leverage machine learning and natural language processing (NLP) to search the world's news by entities (people, companies, places, concepts, and products, etc). It saves time and increases accuracy, reducing false positives and filtering out irrelevant articles.

How it works

Quantexa News API's named entity recognition (NER) models accurately recognise mentions of entities while disambiguating them so you can be sure you're tracking what matters. Enhanced search capabilities powered by NER models means improved accuracy and reduced false positives in query results. Combine entities, categories, keywords and sentiment to increase the quality of your news data.

Enhanced search capabilities

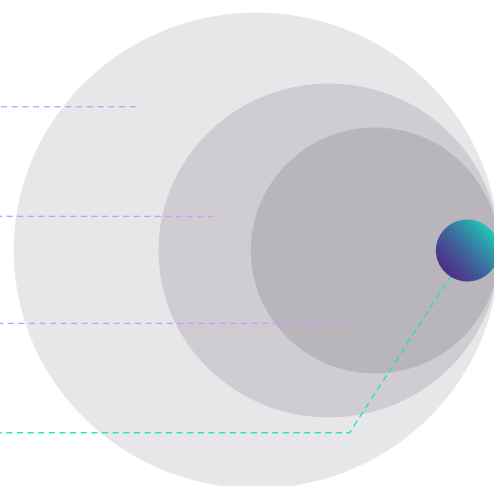
A keyword search returns every instance of that word regardless of context, leading to masses of irrelevant results. But combining Entities with Quantexa News APIs's other enhanced search features (entity type and entity sentiment) uses NLP to contextualize your search, significantly reducing noise, and pinpointing the news that's relevant to you.

Keyword only

Entity only

Entity and type

Entity, type and sentiment



AI-powered search supercharges your monitoring capabilities

More accurate search

Cut out the noise that affects data quality for models and apps.

Reduce false positives

Waste less time investigating entirely irrelevant articles.

No more complex queries

No need to create and maintain long, complex Boolean queries.

* In direct comparison of APIs on the same sample set of articles ** Based on a sample of companies from S&P 500 and Russell2000

Keywords vs Entities

Traditional news search and aggregation services require you to build complex keyword-based queries that become increasingly difficult to optimize and maintain. With the simplicity and efficiency of entity based search you can vastly improve search performance while completely removing the need for building and maintaining ineffective keyword based queries.

Keyword Search

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"Zurich" NOT ("city" OR "capital of Switzerland" OR "canton" OR "Greater Zurich Area" OR "Zurich metropolitan area" OR "Zurich downtown" OR "ETH Zurich" OR "Eidgenössische Technische Hochschule" OR "Swiss Federal Institute of Technology" OR "FC Zurich" OR "Swiss Super League" OR "Letzigrund" OR "football" OR "Grasshopper" OR "Lake Zurich" OR "Zurich Airport" OR "Kloten" OR "Flughafen Zurich" OR "University of Zurich" OR "UZH" OR "Uni Zurich" OR "Universität Zurich" OR "Kansas" OR "Montana" OR "Illinois" OR "United States" OR "Kunsthau" OR "Zentralbibliothek" OR "Schauspielhaus" OR "Winterthur" OR "Kilchberg" OR "Hauptbahnhof" OR "Uster" OR "opera" OR "Borbetomagus" OR "University Hospital"....
```

Entity Search

Entity	<input type="text" value="Zurich"/>
Type	<input type="text" value="Business"/>
Element	<input type="text" value="Title & Body"/>
Sentiment	<input type="text" value="Positive"/>
	<input type="text" value="Neutral"/>
	<input type="text" value="Negative"/>

Solutions for

Risk Intelligence

- Our entity model performs highly for S&P 500 and Russell 2000 companies.
- Augment risk monitoring processes and apps with a 360 view of external threats.
- Build more accurate models with high quality NLP-enriched data.

Media Intelligence

- Proactively monitor what matters by evolving beyond keyword search.
- Never miss a mention or event with comprehensive coverage and machine translation.
- Track media reaction with Entity-Level Sentiment Analysis.

How Aylien Works



Aggregate

Quantexta News API sources and ingests 90,000+ mainstream and longtail sources in real time, from 200 countries, in multiple languages, leaving no signal left uncovered.



Understand

Our research-powered NLP models enrich every article with 26 datapoints, adding structure to the world's unstructured news content making it easier to extract business insight.



Deliver

Enhance dashboards, apps, workflows, and models with our flexible and scalable delivery methods through our News API.



Simplified Integration

WE MAKE IT EASY TO AGGREGATE, UNDERSTAND, AND DELIVER NEWS CONTENT AT SCALE.

Free 14 day trial

Flexible APIs

SDKs in 4 Languages

Extensive Documentation

Clean JSON Output