

KeyQ-solr

KeyQ is what you were searching for. Now let us search for you.



KeyQ, el buscador inteligente con el que soñabas

Empieza a realizar búsquedas inteligentes sobre corpus de gran tamaño en cuestión de segundos.

KeyQ Inicio Datos estadísticos Buscador

Proyecto realizado en AI.nnovation Space.
El Centro Tecnológico Mixto UPM-Accenture AI.nnovation Space tiene co...
puedan ser transferidas al mercado.

pulmonal Allow partial matches

- altitud **pulmonary**
- idiopathic **pulmonary**
- obstructive **pulmonary**
- altitud **pulmonary** edema
- chronic obstructive **pulmonary**
- idiopathic **pulmonary** fibrosis
- obstructive **pulmonary** disease
- chronic obstructive **pulmonary** disease

TECNICA

Contact information

Address: ETSI Informáticos (antigua Facultad de Informática)
Ontology Engineering Group (OEG)
Departamento de Inteligencia Artificial
Universidad Politécnica de Madrid
Campus de Montegancedo, sn
Boadilla del Monte, 28660 Madrid
Phone number: 910672915
Website: demo.inno.oeg-upm.net
Email: mariano.rico@upm.es

Technological Offers type

Technological solutions

Research and innovation areas

- Digital Technologies, Artificial Intelligence, Cybersecurity, 5G, Robotics

ODS



Available from: 2021

Where?

Artificial Intelligence R&I Centre (AI.nnovation Space) Ontology Engineering Group

Keywords: | [Key Q](#) | [NLP](#) | [PLN](#) | [recover of information](#) | [seeker](#) | [terminology](#)

Smart searching across millions of documents

Linear scalability and consistent response times

Our tests on corpora of millions of documents show a consistent response time. It can be used by means of a web application or a REST API.

As a web application, it offers a sophisticated but intuitive means of writing search terms.

Demo [here](#).

Description of the technological basis

For storage and recovery, it uses the open-source Apache solr technology standard and KeyQ, our terminology extractor.

The web interface can be adapted to any kind of device (mobile phone, PC, tablet, etc.), using Bootstrap.

Business needs / application

Companies with large volumes of documents, in all kinds of formats (PDF, Word, etc.). Searching for information in their document repositories is a need shared by all kinds of companies.

Competitive advantages

Compared to the basic version, KeyQ (terminology extraction and online command searching, with the corpus stored in the memory), KeyQ-solr distributes the corpus documents to the hard disks of one or several machines using Apache solr technology. Its other features include:

- Filters: partial searches, upper/lower-case sensitivity, file metadata.
 - Granularity selector for the information retrieved: page, paragraph or sentence.
 - Detailed statistics of the corpus texts.
 - Advanced visual analysis to identify thematic groupings.
 - Handling of multiple corpora in different languages.
 - Terminology management. Collaborative terminology evaluator (consensus among experts).
 - Searches with logical operators.
-

Past performance references

We have handled corpora in fields such as:

- Biology: tens of thousands of scientific articles on Covid-19.
- Law: large documents with hundreds of pages, with instant access to the most relevant page/paragraph/sentence for a particular search.
- Energy and the environment: thousands of European Parliament documents in different formats.

KeyQ was developed in the [Artificial Intelligence R&I Centre \(AI.nnovation Space\)](#) (joint UPM-Accenture centre) between 2020 and 2021.

Protection

- **Software registration**
-

Stage of development

CONCEPT
RESEARCH
LAB PROTOTYPE
INDUSTRIAL
PROTOTYPE
PRODUCTION



KeyQ-solr is what you were searching for. Now let us search for you.