

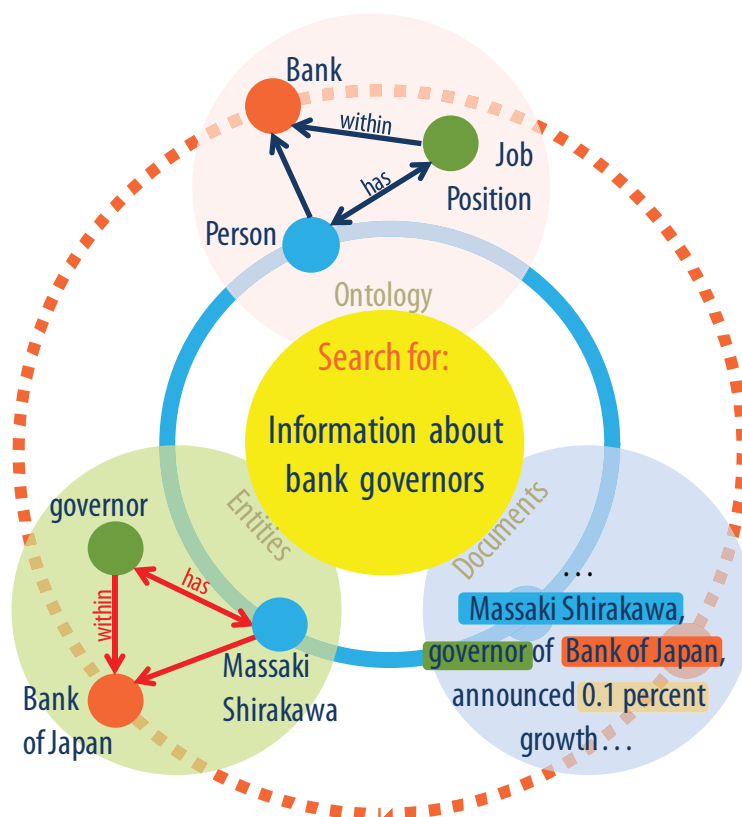
FINDING WHAT YOU NEED

Large amounts of documents and data >> multiple search paradigms >> rich results

KIM EMPOWERS YOU TO LINK, SEARCH, AND NAVIGATE your information space to find content, data, and facts.

KIM CREATES SEMANTIC LINKS between your documents, data, domain models (ontologies), and linked data, finding mentions of entities, relationships, and facts in texts.

As a platform, **KIM IS HIGHLY CUSTOMIZABLE** for different data, domains, search and navigation needs. It scales up as your needs grow and can be smoothly integrated in your existing software environment.

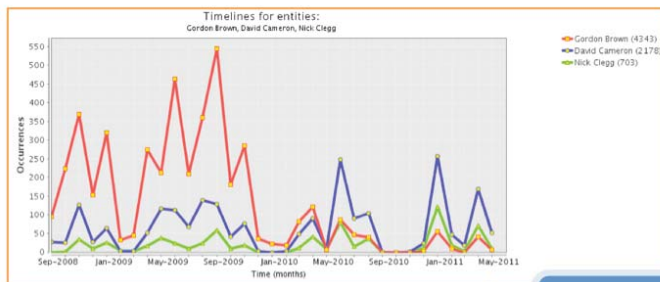


SEMANTIC ANNOTATION and SEARCH



HOW TO DO IT

Select entities >> find relations >> get rich results



Space
Office Space [General Term]
Russian Space Agency [Organization]
Http://spaceflight.nasa.gov [Web Page]
Space [Organization]
National Aeronautics and Space Agency [Government]
Goddard Space Flight Center [Government]
Johnson Space Center [Organization]

Selected items
<input type="checkbox"/> Gordon Brown
<input type="checkbox"/> David Cameron
<input type="checkbox"/> Nick Clegg
<input type="checkbox"/> Republic of Iraq
<input type="checkbox"/> United Nations

EXPLORE ENTITY DESCRIPTIONS OR DOCUMENTS MENTIONING THEM

LOOK FOR ENTITIES MENTIONED IN THE SAME TEXT

ANALYZE POPULARITY TRENDS IN A DATA SUBSET

LOOK FOR ENTITIES

GET SUGGESTIONS

SELECT ENTITIES

GET DOCUMENTS

EXPLORE ENTITY DESCRIPTIONS

FIND RELATED ENTITIES

EXPLORE RELATIONS

GET A LIST OF RELATED ENTITIES (OR DOCUMENTS)

<input type="checkbox"/> California Amplifier, Inc.
<input type="checkbox"/> Call-Net Enterprises Inc.
<input type="checkbox"/> D&E Communications, Inc.
<input type="checkbox"/> Eagle Broadband Inc.
<input type="checkbox"/> EarthLink, Inc.

Company	
active in Industry Sector	Telecom
	Telecommunications Industry Sector

Title
Yahoo Reports a Profit, but Revenue F...
SAN FRANCISCO (AP) Yahoo annou...
Yahoo names tech veteran Carol Bartz
Yahoo names tech veteran Carol Bartz
Google loses board member over links
Google loses board member over links
...organisations. But although his depe...
Appeals court orders new trial in Broca
Appeals court orders new trial in Broca
against ...
Apple buds recession with some of be...
...best financial results in its history, th...
...last week that the Seattle technolog...
Engineers sentenced to 1 year for esp...
...were sentenced to a year in prison f...
...case against Ye and Zhong stretches
Copple's slowing 3D ad rates surges...

San Francisco is a City, TrustedSM

has Alias [San Francisco](#)

has Main Alias [San Francisco](#)

Part of [United States](#), [California](#), [North America](#)

Located in [United States](#), [California](#), [North America](#)

America

Subregion of [United States](#), [California](#), [North America](#)

rank "4583"

Related Entities

The Fed Located in [San Francisco](#)

the House Located in [San Francisco](#)

Federal Reserve Bank Located in [San Francisco](#)

Government Located in [San Francisco](#)

FDIC Located in [San Francisco](#)

Securities and Exchange Commission Located in [San Francisco](#)

WHAT WE CAN DO FOR YOU

We can analyze your needs and fully tailor KIM to suit you by:

ADAPTING THE EXTRACTION METHODS

DESIGNING AND INTEGRATING RELEVANT ONTOLOGIES

SEMANTICALLY INTEGRATING YOUR VARIOUS INFORMATION AND DATA SOURCES

TRANSFERRING KNOWLEDGE TO YOUR TECHNICAL TEAM

APPLICATIONS AREAS

ENTERPRISE SEARCH AND SEMANTIC CONTENT MANAGEMENT: linking multiple sources of structured data and texts to provide an integrated view over your data

HEALTHCARE, PHARMACEUTICAL AND CHEMICAL INDUSTRIES: annotation, search and semantic data integration in clinical studies, patient records, scientific articles, and patents

NEWS ENRICHMENT for major media companies

LINKED DATA BASED ANNOTATION AND SEARCH: for public and corporate documents

ENTITY PROFILING: based on profile feeds like World Check and Dow Jones, and extending profiles automatically with what appears about people, organizations and their relations on the Web, to be applied for asset recovery with several governments' financial intelligence units

REGULATIONS AUTHORIZING, MANAGEMENT, AND SEARCH: ontology-driven searching capabilities that will vastly improve access to key regulatory information for US government users

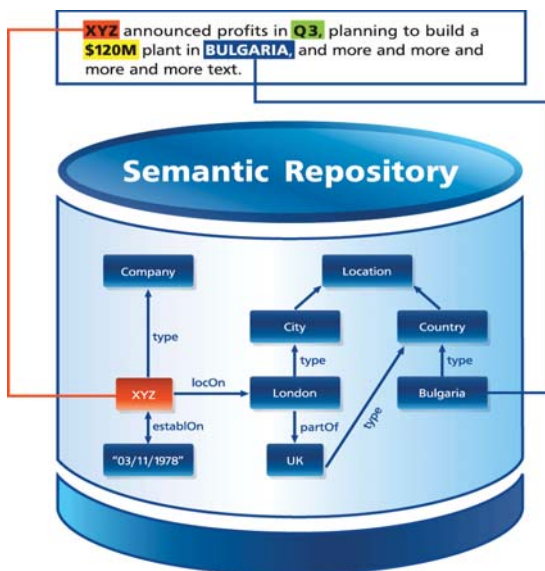
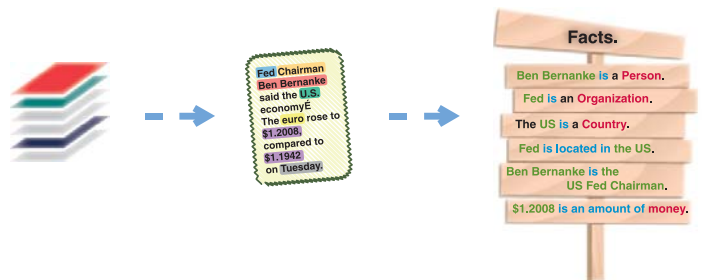
TEXT ANALYSIS

Automatic extraction of facts >> linking content and structured knowledge >> advanced filter and search

INFORMATION EXTRACTION

To link your different types of data, KIM employs text mining, finding entity and relation mentions in the analyzed content.

It combines symbolic and statistical methods and can be adapted to any domain.



SEMANTIC ANNOTATION

The extracted metadata is further linked to relevant conceptual models to create a semantic index over content, facts and background knowledge in the system.

Semantic annotation goes beyond the mere categorization of entity mentions. It determines their identity through disambiguation and matching to knowledge base instances.

ARCHITECTURE

Modular >> scalable >> highly customizable

KIM is a highly adaptable and modular platform for linking and navigating data, content, and knowledge. It can be configured to use all or some of its components to suit different needs. Computationally intense components as concept extraction and semantic database can be clustered to reach the performance you need.

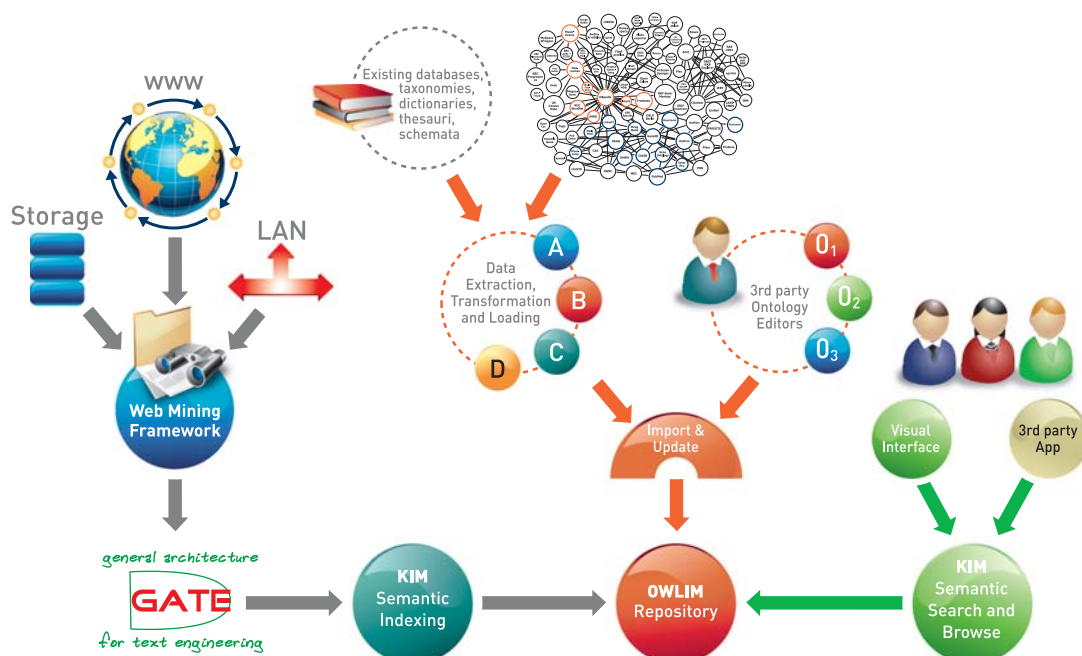
ACQUIRES CONTENT through focused Web crawling or import from file storage

ORGANIZES AND UPLOADS KNOWLEDGE through mapping of ontologies, taxonomies, Linked Data

EXTRACTS FACTS from content

CREATES SEMANTIC INDEX linking content and knowledge

PROVIDES MULTI-PARADIGM SEMANTIC SEARCH over your data, documents, and facts



Each of the major platform components can be customized and used independently in a 3rd party system. KIM is based on GATE (text analysis components) and OWLIM (semantic index).

SHOWCASE

Multi-paradigm indexing >> advanced filter and search

Ontotext together with the GATE team from the University of Sheffield and System Simulation Ltd. were granted a project to create a semantic knowledge base (SKB) to improve the search and navigation in the UK Government Web Archive. SKB interlinks the UK Government Web Archive with DATA.UK.GOV and other LOD datasets to deliver semantic search at ultimate scale: 150 million documents annotated against 5 billion triples.

KIM was applied to the National Archive project to provide:

SOFTWARE FRAMEWORK FOR MULTI-PARADIGM INDEXING: accessing and linking together multiple information sources, such as textual content of documents, the semantic metadata associated with the documents and data in knowledge bases, such as the linked data cloud

ADVANCED FILTER AND SEARCH: pattern search, faceted search, semantic suggestions and timelines; RDF-level exploration and SPARQL querying

"The Semantic KB implementation delivered by Ontotext solves two problems: the collection contains a large amount of near-duplicate material which makes conventional search tools not very effective; another major issue is how users continue to find topical information when government structures change over time"



Amanda Spencer, Head of Web Continuity

SHOWCASE

Automatic concept extraction >> linking assets and data >> concept relevance ranking

BBC's 2010 World Cup web site was the first project running on Dynamic Semantic Publishing (DSP) architecture. DSP provided an improved navigation, content re-use and re-purposing, and support of semantic advertisement.

OWLIM serves as an RDF store in the middle of the architecture facilitating metadata-based management and retrieval of content. Later on, Ontotext also implemented another important part of the DSP architecture - the Concept Extraction Service.

Based on GATE, the Concept Extraction Service provides "advanced methods for analysing content and deciding how to tag this content with precise metadata linked to uniquely identified concepts (a concept usually being a person, place or thing)".

The main benefits of the Concept Extraction Service are:

AUTOMATIC LINKING of assets and concepts.

DYNAMIC EXTRACTION ACCURACY IMPROVEMENT based on journalist curation.

MULTI-COMPONENT RELEVANCE RANKING of extracted concepts.

"A high-performance dynamic semantic publishing framework. This framework facilitates the publication of automated metadata-driven web pages that are light-touch, requiring minimal journalistic management, as they automatically aggregate and render links to relevant stories."



"The Concept Extraction Service developed by Ontotext becomes the main content enrichment facility for BBC SPORT"

Jem Rayfield, Senior Technical Architect

CONTACT INFORMATION

If you are interested, you can subscribe to:

KIM-info@ontotext.com

FOR GENERAL PURPOSE QUESTIONS, comments, feedback, etc.

interested-in-KIM@ontotext.com

FOR GENERAL INFORMATION about known issues, major updates, news, and etc.

Please note that you cannot reply directly to this mailing list address.

KIM-discussion@ontotext.com

FOR TECHNICAL QUESTIONS, issues, requests, and comments, and if you want to join the growing KIM Platform community.

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