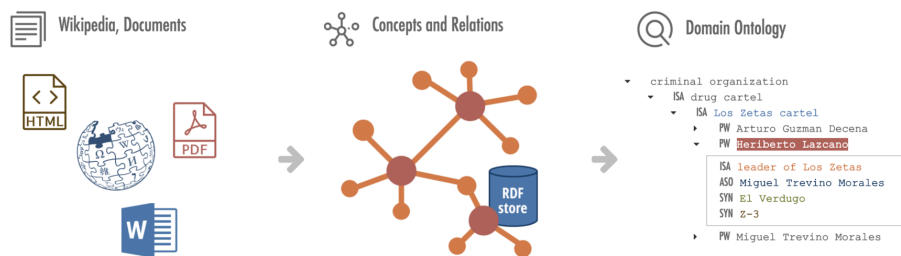




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Jaguar™ Ontology Builder: Grasp knowledge without reading

Customer Scenario

Need

Quickly grasp key ideas, players and jargon in a domain. Automatically expand search queries to retrieve relevant documents

Domain knowledge is presented as collections of text documents: publications, reports, textbooks, etc. In most cases reading the entire collection is not practical or necessary.

Browsing through the content is limited to using index or an exact keyword find function.

Challenge

Lymba's Solution

Solution

Our automatic ontology extraction tool **Jaguar** was applied in a broad range of domains:

- Law enforcement: illicit drugs, weapons, missiles, terrorism.
- Finances: banking, investment, acquisitions.
- Education: convert textbooks into ontologies to provide students with browsing and advanced search and to identify gaps in course materials.

Input

A collection of your documents, Wikipedia and web pages, optionally – seeds or existing ontology to define the targeted knowledge more precisely.

An ontology in a standard OWL format, each concept and relation are linked to a text fragment from which it was extracted.

Output

Key Features

- **Automatic Generation:**

Extraction of concepts and their semantic relations from a collection of documents:

- IS-A
- PART-WHOLE
- LOCATION
- RELATED

- **Multi-Ontology Support:**

Merging and extending existing customer-provided ontologies.

- **Configurable:**

Full control over coverage versus relevance. When ontology is required for semantic search, prefer coverage and extract maximum knowledge. On the contrary, when ontology is for human consumption, it needs to be compact and contain only the most important concepts – [Jaguar](#) will maximize relevance.

- **Integration Options:**

Hassle-free integration of generated ontologies into other tools like [Collaborative High Precision Search \(CHiPS\)](#) our intelligent search system to support query expansion.

- **Interactive Browsing:**

A browsing tool that allows viewing and manual curation of ontologies.

Check out Jaguar for more details on the product and its features.

Or request a demo with us:

Contact Us

Products

Knowledge Extraction
Jaguar: Ontology
NL2Query™
CHIPS: Semantic Search
PowerAgent:

Use Cases

Text Analytics
Systematic Literature Review
Ontology Creation for Training and Search
Scientific Profile Generation
Patient Profile
Social Media

Solutions

Knowledge Base Creation

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