

Intuition 5.0

Concept-based Access, Search and Navigation Technology

May 2006

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- Sinequa's Mission
- Intuition 5.0
- Clients and Examples
- Intuition Benefits





Press / E-busines / Administration / OEM / Corporate

Some of Sinequa's clients









































L'ÉQUIPE



































Information access for new century companies

- Information both external and internal lies in numerous heterogeneous content systems (formats and languages, structure and content management software, repositories, access patterns,...)
- Instant and reliable access to relevant information has become a key element in corporate efficiency
- Corporate reality is dozens of open or focused queries performed daily by each employee
 - Employees spend 25 % of their time looking for a piece of information*
 - 80 % of information is never accessed again once they it has been created or stored
 - 50 % of searches are unsuccessful





Sinequa's Mission

Concept-Based Access, Search and Navigation

Provide users access to information Simply and Securely

- Intuitively and efficiently
- Exhaustively and rapidly
- In all corporate environments
 - Regardless of technological choices, past or future
 - Designed to comply with corporate productivity
 - With adequate supervision functionalities
 - With adequate support (solution tuning and project organization)









Sinequa: a long industrial and R&D entrepreneurial project

- Software vendor specialized in semantic search and navigation engines
 - Core technology development from 1985 until 2000
 - Fourth profitable year and over 100 customers
- A mature and innovative technology
 - Over 200 H/yr of R&D
 - Intuition 5.0: the industrial concept-based search and navigation solution
 - A patent-protected technology that has a worldwide advance
- An internal Research Lab: Sinequa Labs
 - Participation in numerous national and European research projects (Technolangues...)
 - Partnerships with numerous public research labs (CNRS, LLI, LIA, LADL,...)
- *Intuition*: A proven technology and product
 - Over 100 customers and active partners
 - In Europe, in France
 - In the US and in Asia
- Sinequa = a success story shared with customers and partners

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The Intuition Experience Simple, Intuitive and Right on Target

• A few words...

your search :	OK
	OK



• ... to get to relevant results



- then a few clicks in navigation suggestions...
- ...to get to the right information
- High-lighted





Intuition foundation : morphosyntactic analysis

They plant a tree near the plant?

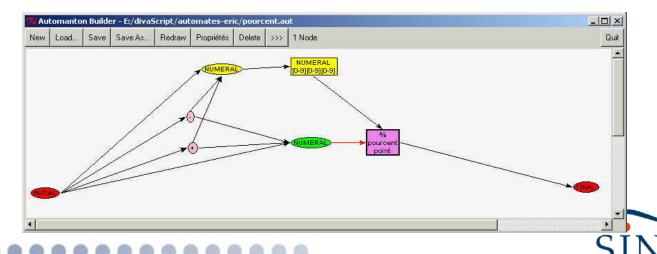
Name : a plant Ver

Verb: to plant

- Gramatical and lexical analysis
- 500 000 lexical forms and 2 000 syntactic rules per language (in 16 languages)

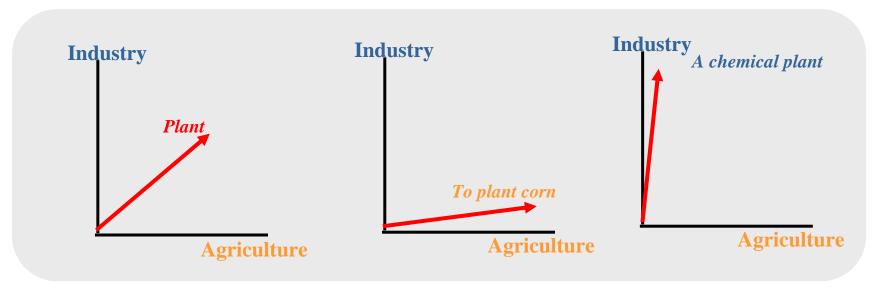
\rightarrow Diagrams and automatas :

- Entity recognition (people, companies, dates, amounts...)
- Anaphora and names resolution, anonymization





Semantic / Concept-based analysis at the heart of Intuition



- A global concept-based approach
 - 100 000 basic forms semantically described in 6 languages
 - Multilingual et Interlingual
 - A deterministic and reliable semantic analysis
- Numerous benefits
 - Independence from words and languages : railroad crash = accident de train = el accidente del Talbo
 - Increased relevancy (one word vs. Semantic density…)
 - Cosely related documents, clones, classification by example,.





A Patented Technology Optimized For Professional Environments

Basics

- Stability
- Robustness
- Performance
- Scalability (volume of data and number of users)
- Indexation on-line and off-line (batch)

Advanced differentiation

- Multi platform / 32 and 64 bits / Natively UNICODE
- •SQL API (all programming languages)
- Multi-domain Security
- Around 300 formats
- Documentary sources, structured, process oriented,...
- Adaptability of platform to all applicative contexts
- Easy administration and statistics
- •Full XML and advanced metadata management
- Structured and boolean search

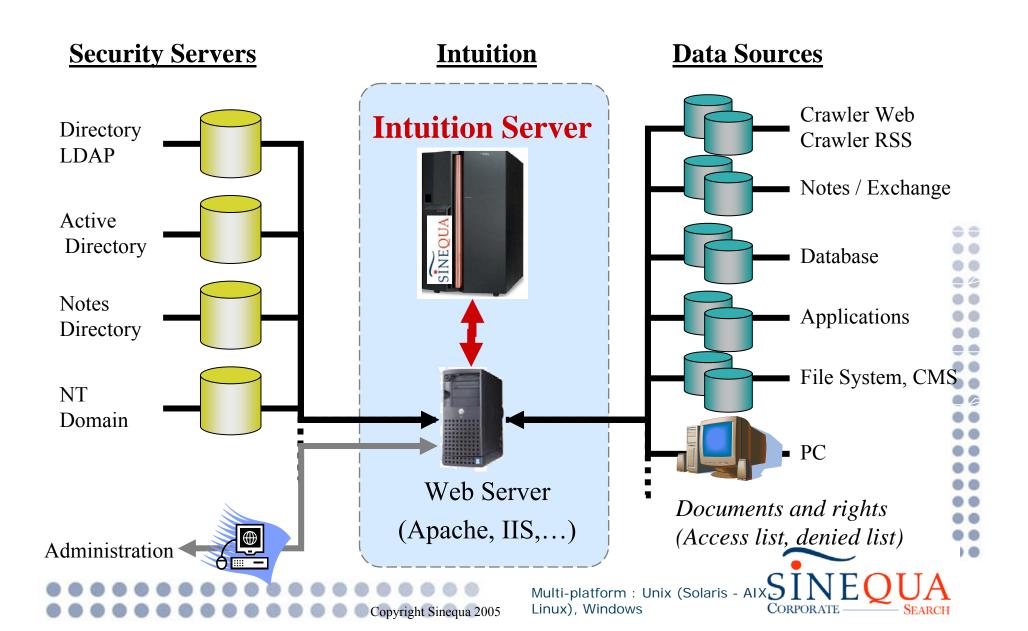
Linguistic and Semantic differentiation

- Relevancy, clones, classification by example
- Entity extraction (text mining)
- Automatic enrichment of documents
- Navigation and refining
- Multilingual and translingual
- « out of the box » and easy to implement



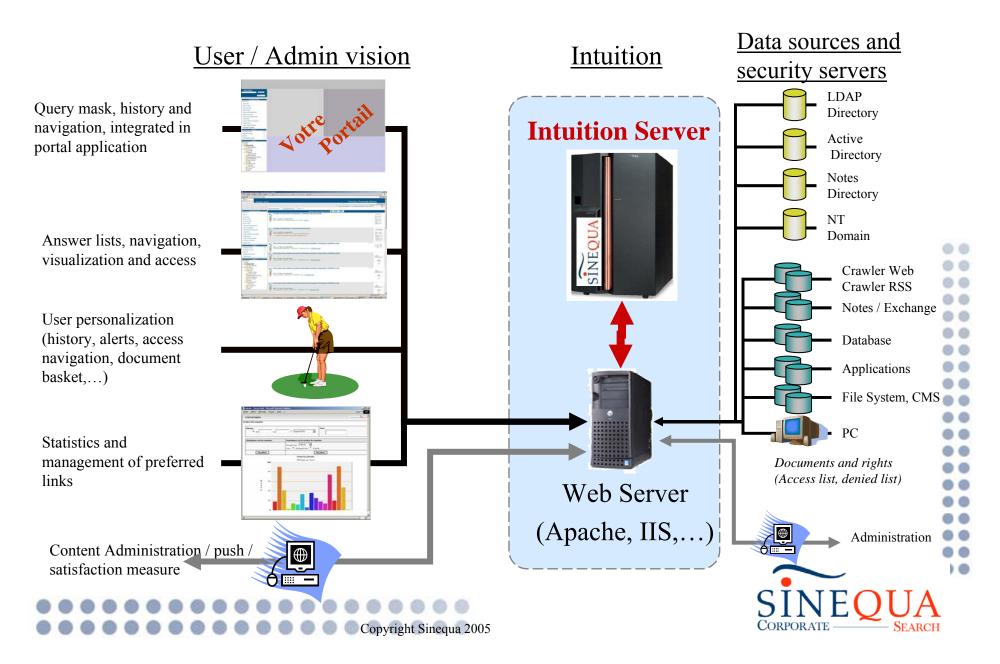


Back-Office Intuition Architecture





Front-Office Intuition Vision



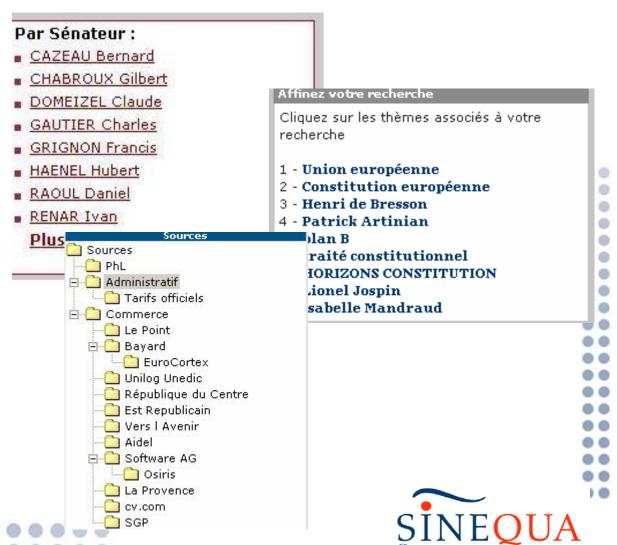


A complete philosophy of navigation

Relevancy and precision in the corporation

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- Examples of navigation possibilities
 - By entities (names, companies, places, ...)
 - By related concepts (dynamic calculation)
 - By metadata (date, author, source, type of document...)







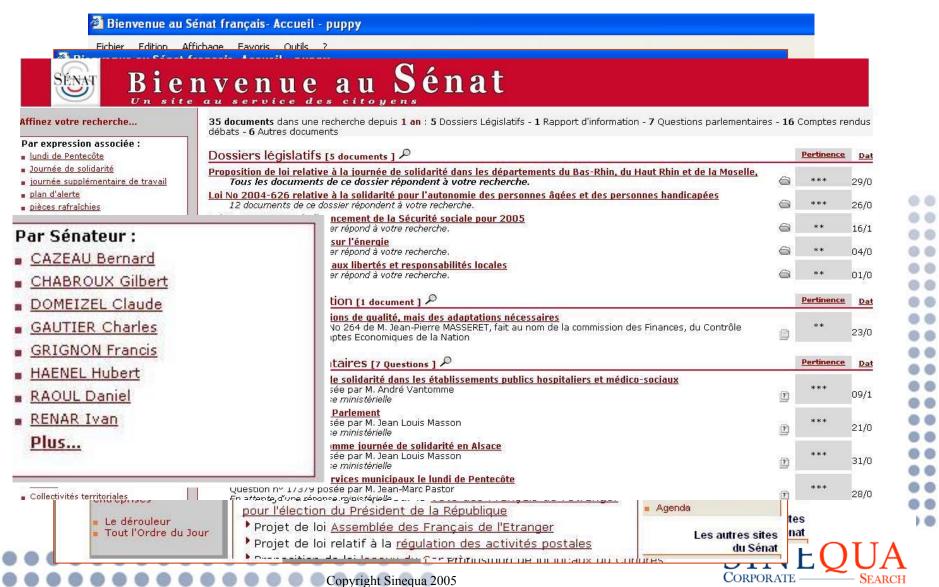
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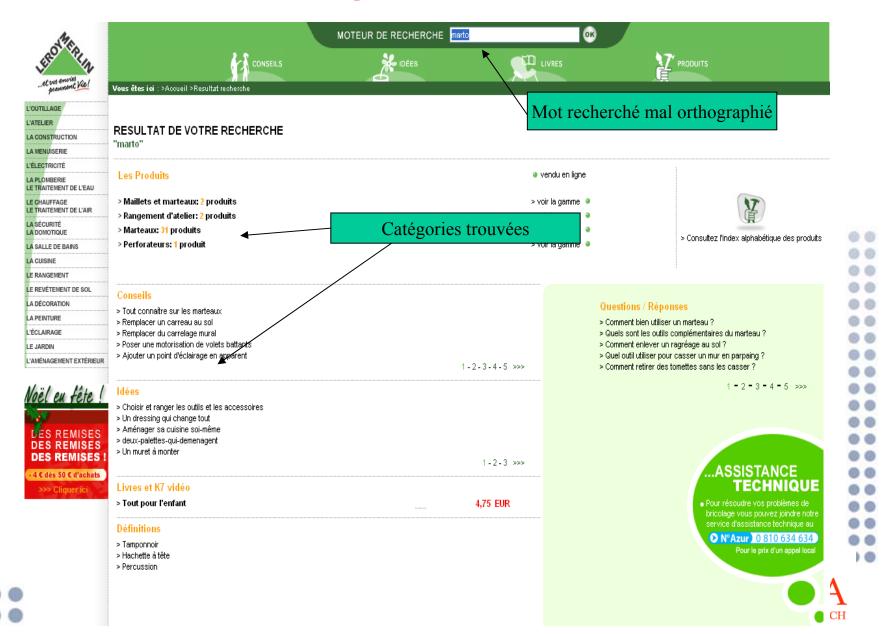


Intuition Web Content Edition / Navigation through extracted entities and classification trees





Intuition E-Business : Search in a catalog, pre-structuration



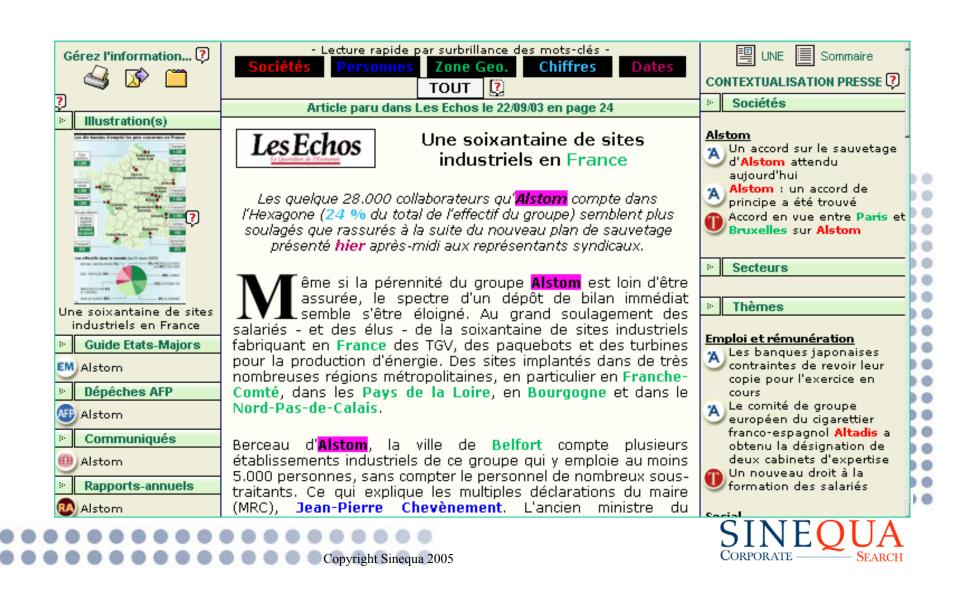


Intuition Press Edition / Navigation through dynamically generated related topics





Intuition Press Edition : Faster reading and alerts





Intuition Corporate Edition

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BtoB clients

You can try our search engines on numerous Websites applications :

Le Monde : www.lemonde.fr

Le Sénat : www.senat.fr

Leroy Merlin : www.leroymerlin.fr

Europages: www.europages.fr

La Revue Fiduciaire : www.grouperf.com

La CCIP: www.ccip.fr

Carrefour Local: www.carrefourlocal.org



















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Better use of a query

- Proposals for a given query :
 - Most read documents
 - Users or experts having asked similar queries
- Benefit from the experience of peers
 - The "Best" related queries or documents
- Offer possibilities of navigation
 - By entities, by topics, by all metadata
- Offer possibility to "promote" a link related to a subject
 - For a type of query, promote access to a specific application or information notice
- Monitor statistics and put them to use

But also

- Offer alert functionalities
- Memorization of queries, document basket







A few technical benefits

- Crawling and agent technology
 - Unified access to all sources (from PC to the Web, RSS, all databases, applications, CMS, ..., all structured information repositories,...)
 - Advanced crawling through, Basic, MD5-digest, NTLM, Kerberos, certificat client SSL, login password proxy management, Redirections, ...
- Distributed Index
 - High "scalability" and performances
 - broker and balancer architecture
- Information Bus
 - Guarantee of an open and evolutive architecture
- Security Framework
 - Multidomain security management
- Designed to be easy to integrate in IT infrastructure and corporate portal applications
 - Integration APIs (J2EE,BEA,IBM,.Net,C#,PHP,...)
 - Applicative Connectors with most corporate applications and portals







An easy search

- A single entry point
 - For all users, all sources, all usages
 - Intuitive
 - Easy correction of typo and phonetic errors
- A modern and intuitive interface
 - Document basket
 - Memorization and history
 - All information elements are in the first page
- A reliable search
 - Exhaustive, relevant, fast and efficient







Thank you for your attention

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