Intuition 5.0
Conception-based Access, Search and Navigation Technology

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Agenda

- Sinequa’s Mission
- Intuition 5.0
- Clients and Examples
- Intuition Benefits
Some of Sinequa’s clients
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

* Source : panel of large European corporation
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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A few words...

Then a few clicks in navigation suggestions...

...to get to the right information

High-lighted

... to get to relevant results
They *plant a tree near the plant*?

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

→ 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 and 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…)
  - Closely 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 translilingual
- « out of the box » and easy to implement

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Back-Office Intuition Architecture

Security Servers
- Directory LDAP
- Active Directory
- Notes Directory
- NT Domain

Intuition
- Intuition Server
- Web Server (Apache, IIS, …)

Data Sources
- Crawler Web
- Crawler RSS
- Notes / Exchange
- Database
- Applications
- File System, CMS
- PC
- Documents and rights (Access list, denied list)

multi-platform: Unix (Solaris - AIX - Linux), Windows
Front-Office Intuition Vision

**User / Admin vision**
- Query mask, history and navigation, integrated in portal application
- Answer lists, navigation, visualization and access
- User personalization (history, alerts, access navigation, document basket, ...)
- Statistics and management of preferred links
- Content Administration / push / satisfaction measure

**Intuition Server**

**Web Server (Apache, IIS, ...)**

**Data sources and security servers**
- LDAP Directory
- Active Directory
- Notes Directory
- NT Domain
- Crawler Web
- Crawler RSS
- Notes / Exchange
- Database
- Applications
- File System, CMS
- PC
- Documents and rights (Access list, denied list)

**Statistics and management of preferred links**

**Query mask, history and navigation, integrated in portal application**

**Answer lists, navigation, visualization and access**

**User personalization (history, alerts, access navigation, document basket, ...)**

**Statistics and management of preferred links**

**Content Administration / push / satisfaction measure**

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A complete philosophy of navigation

Relevancy and precision in the corporation

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

Par Sénateur:
- CAZEAU Bernard
- CHABROUX Gilbert
- DOMEIZEL Claude
- GAUTIER Charles
- GRIGNON Francis
- HAENEL Hubert
- RAOUl Daniel
- RENAR Ivan

Plus

Affinez votre recherche
Cliquez sur les thèmes associés à votre recherche
1 - Union européenne
2 - Constitution européenne
3 - Henri de Bresson
4 - Patrick Artinian

Plan B
traité constitutionnel
HORIZONS CONSTITUTION
lioniel Jospin
sabelle Mandraud

Sources
- Sources
  - Ph.L
  - Administratif
  - Tarifs officiels
  - Commerce
  - Le Point
  - Bayard
  - EuroCortex
  - Unilog Unedic
  - République du Centre
  - Est Republicain
  - Vers l'Avenir
  - Aidel
  - Software AG
  - Osiris
  - La Provence
  - cv.com
  - SGP
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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

1 - Union européenne
2 - Constitution européenne
3 - Henri de Bresson
4 - Patrick Artinian
5 - plan B
6 - traité constitutionnel
7 - HORIZONS CONSTITUTION
8 - Lionel Jospin
9 - Isabelle Mandraud
Una soixantaine de sites industriels en France

Les quelque 28.000 collaborateurs d’Alstom compte dans l’Hexagone (24% du total de l’effectif du groupe) semblent plus soulagés que rassurés à la suite du nouveau plan de sauvetage présenté hier après-midi aux représentants syndicaux.

Même si la pérennité du groupe Alstom est loin d’être assurée, le spectacle d’un dépôt de bilan immédiat semble s’être éloigné. Au grand soulagement des salariés - et des élus - de la soixantaine de sites industriels fabriquant en France des TGV, des paquebots et des turbines pour la production d’énergie. Des sites implantés dans de très nombreuses régions métropolitaines, en particulier en Franche-Comté, dans les Pays de la Loire, en Bourgogne et dans le Nord-Pas-de-Calais.

Berceau d’Alstom, la ville de Belfort compte plusieurs établissements industriels de ce groupe qui y emploie au moins 5.000 personnes, sans compter le personnel de nombreux sous-traitants. Ce qui explique les multiples déclarations du maire (MRC), Jean-Pierre Chevènement. L’ancien ministre du
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- Leroy Merlin : www.leroymerlin.fr
- Europages : www.europages.fr
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- 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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