



Exalead引领基于搜索应用的革命

Exalead CloudView™

Enablement Discovery & Search

致力于发现与搜索

[www.exalead.com](http://www.exalead.com)

# Agenda

About Exalead

What is Search ?

Exalead Product Overview

SBA Revolution

Use Cases

Architecture

Statement Of Direction

Q&A

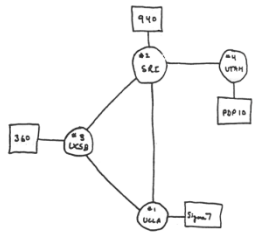
# About Exalead

- › Exalead® 于2000年由搜索引擎先驱创立，现已成长为一家向企业和网络提供信息访问软件的全球供应商。每月，全球250多家公司，1亿名有效用户使用Exalead的CloudView平台对信息资产进行搜索、查找和管理，部分用户包括桑格研究院（Sanger Institute）、泽思博（Jaspersoft）、普华永道、赛诺菲-安万特（Sanofi-Aventis）、捷富凯（Gefco）、标致雪铁龙集团、ViaMichelin、AFP、CSC（计算机科学公司）、黄页集团（Yellow Pages Group）和美国国防部等。
- › 目前，Exalead正引领着搜索型应用（SBA）革命，以令人难以置信的简便性和较低的总体拥有成本，为异构企业信息云中的数据赋予全新的结构、意义和可访问性。在SBA开发方面，Exalead与Capgemini、Sogeti、Logica、Keyrus、ST Groupe和Business & Decision开展了密切的协作。
- › Exalead于2010年被达索系统并购。Exalead在巴黎、旧金山、格拉斯哥、伦敦、阿姆斯特丹、米兰和法兰克福等地均设有办事处。
- › 更多信息请访问：<http://www.exalead.com/software>。



# What is Search ?

# Search Chronology 搜索技术发展史



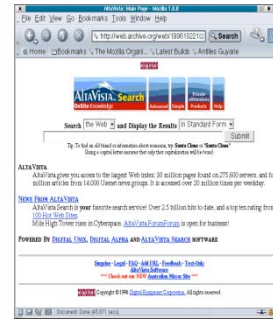
THE ARPANET NETWORK  
DEC 1969  
4 NODES

FIGURE 6.2 Drawing of 4 Node Network  
(Courtesy of Alex McKenzie)

Point to point



SQL search  
结构化查询语言搜索



Keyword search



Browsing



Democratized

1970

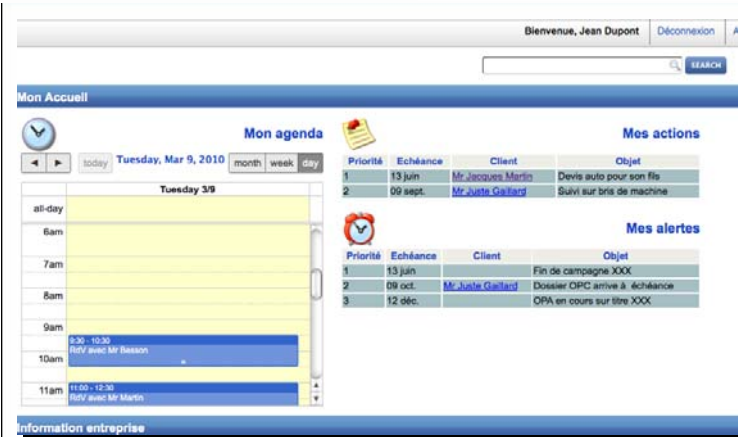
1980

1990

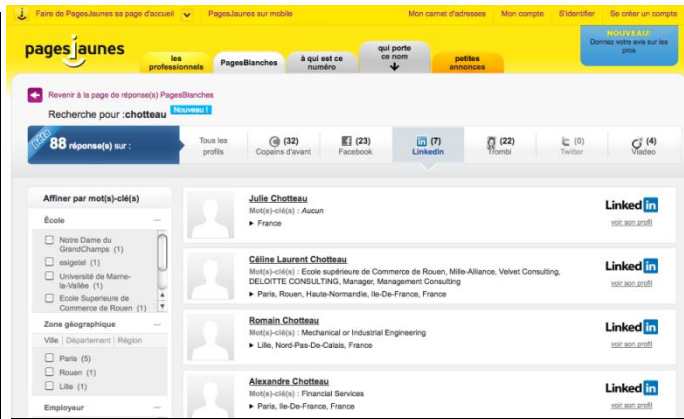
2000

2010

# Search (R)Evolution (演变与创新)?



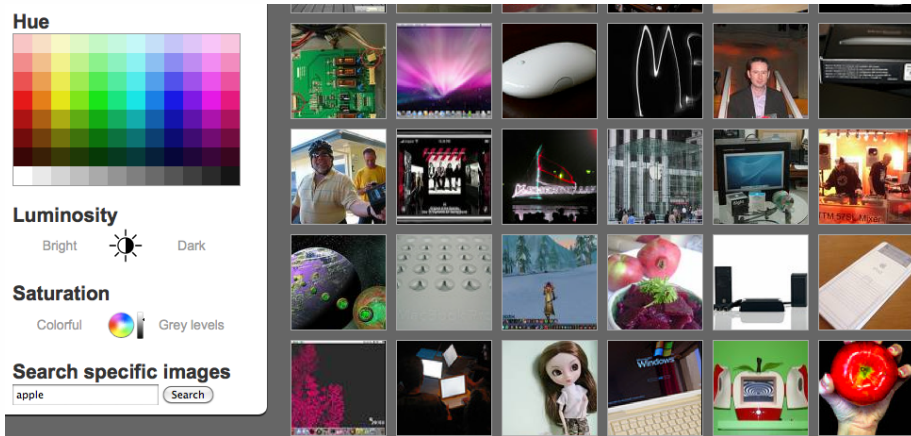
An extended CRM ?



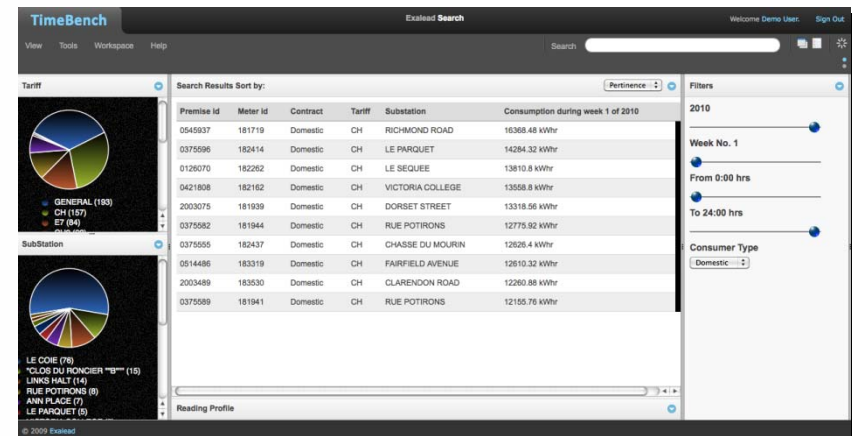
A WW community ?



A geo-spatial search ?



A cutting edge technology to search in non-textual format ?



A smart operational BI tool ?



# SBA Revolution...



Your favorite searching platform present every moment of your life...  
With or without “search bar”...

Your favorite computing device present every moment of your life...





# Exalead Product Overview

# Exalead Desktop™

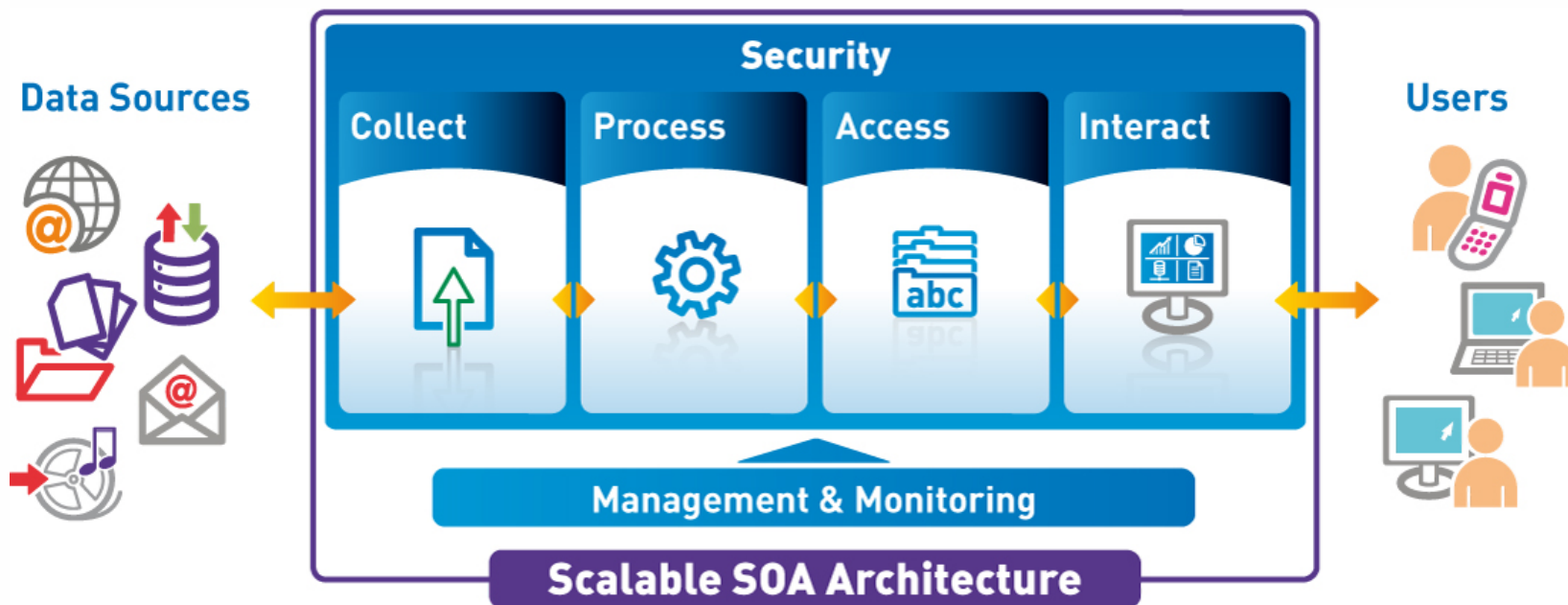
从桌面即时进入所有数据

Exalead Desktop™  
Instant access to all data on your desktop, connected peripherals & shared sources

The image displays a screenshot of the Exalead Desktop application interface. The interface is designed to provide instant access to all data on a user's desktop, connected peripherals, and shared sources. It features a search bar at the top, a list of search results, and a detailed view of a selected item. The detailed view shows various data types, including text, images, and structured data. A central panel highlights key features: 'Named entities', 'Unstructured data', and 'Related Terms'. The interface is clean and modern, with a blue and white color scheme. The background of the interface shows a landscape with a green field and a blue sky with clouds.

# Exalead CloudView™

Connecting the dots in the enterprise data cloud for 360° information access



非并行结构内容检索

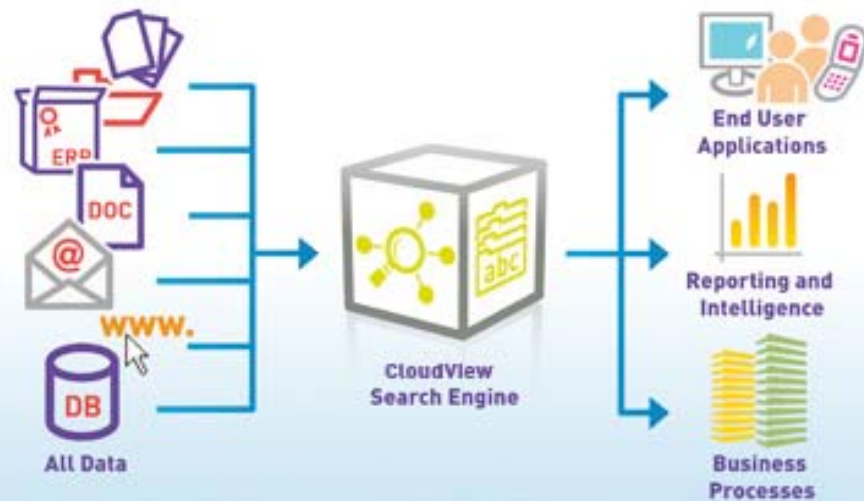
开放的 SOA 架构

严谨的安全策略

简单并强大的管理

高效, 可控

## Unified Access, Reporting and Search



# Exalead CloudView 360 Edition

The screenshot shows the Exalead CloudView 360 Edition interface. At the top, there's a navigation bar with 'Index', 'Search', and 'Typesearch' tabs. Below that, there are tabs for 'Source Editor' and 'Design'. The main workspace is divided into several sections: a central design area with 'Drop "Widgets" here' prompts, a 'Widgets' library on the right, and a configuration panel at the bottom. Callouts highlight key features: 'Reorganise widgets by drag & drop' points to a widget being moved; 'Change Row Layout 排版 by a single click for each section' points to a layout icon; 'Contextual help and suggestions for variables and properties' points to a dropdown menu; 'Use Previously defined data feeds in widgets' points to a list of ontology terms; 'Widget Library' points to the list of widget types; and 'Widget Configuration' points to the configuration panel.

exalead<sup>®</sup> CloudView 360

Index Search Typesearch

Source Editor Design

Drop "Widgets" here

Custom Css

<CSS/>

Logo

Drop "Widgets" here

Drop "Widgets" here

Drop "Widget" here

Widgets

BRGM Search Form

Basic Search Form

Custom Css

Display Hits

Display Hits as table

Empty block

GMap

Horizontal Stack

Logo

Navigation history

Pie Chart

Refines

Search Form

Street View

Reorganise widgets by drag & drop

Change Row Layout 排版 by a single click for each section

Contextual help and suggestions for variables and properties

Use Previously defined data feeds in widgets

Widget Library

Widget Configuration

Ontology (bss)

bss.TYPE

bss.age\_debut

bss.age\_fin

bss.auteur\_coupe

bss.auteur\_dossier

bss.bassin\_versant

bss.confidentialite

bss.coupe\_geologique

bss.coupe\_gtc

bss.coupe\_simplifiee

bss.coupe\_simplifiee\_hors\_gtc

Source Triggers Global config Hit config Size CSS

Url:

Detect type pages: false

JSP path for the hit: default/default.jsp

default/default.jsp

Utilisation) #{bss.nom\_com) #{bss.nom\_dep) #m\_reg) #{bss.nature) #{bss.entrepreneur) documents) #{bss.date\_realisation) #{bss.li\_francais) reference)

Widget, 中文译名被称作是微件, 是一小块可以在任意一个基于HTML的Web页面上执行的代码, 它的表现形式可能是视频, 地图, 新闻, 小游戏等等

# Exalead CloudView 360 Edition

**Global information on an account extracted from the CRM system**

**Search for any information (contact, account...)**

**Global information on a company extracted from Salesforce**

**Current status of the opportunities for that account**

**Related documents hosted on the filesystem of your company**

› Extracted from the CRM, mail databases, websites...

› Dynamic ranking based on business rules to present the most relevant information

› Latest Events and Tasks to complete, related to Acme



# Customer Projects

**Enterprise  
Search**



**Online**



**360 Business  
Applications**



**OEM**

# SBA Revolution



# Let me introduce...



Jim

- › 美国人
- › 毕业于哈佛大学
- › 伦敦商学院MBA



Roger

- › 法国人...

Let me introduce...



### 两人均

- › 掌管电子制造业公司超过20年
- › 有不俗的业务增长
- › 吞并了多家竞争对手
- › 拥有相似的IT环境.....

# IT Eco System



Invested in market  
leaders



Understood the  
power of SBA



# Both need Marketing



Believes in Product marketing

- > 6 analysts are visiting distribution

15 名熟练人员

- > Reports are generated every 6 months to adapt the strategy



Believes in time to market

- > Is monitoring every channel web site

2 个决策人员

Product	Price
Nokia - N97 Téléphone portable UMTS - Clavier QWERTZ / GPS / Wi-Lan / Nokia Maps / Appareil photo 5.5 mégapixels / sans contrat / sans branding / 480p - Noir (Import Allemagne)	488,04 €
Nokia N97 mini - Téléphone intelligent (smartphone) - WCDMA (UMTS) / GSM - QWERTZ - argent	283,20 €
Nokia N97 mini	79 €
Etui Nokia N97 Mini / ETUI CUIR VERMOREL COURU MAIN AVEC CLIP / FAUCON CENTRE DE TACHALE ET SYSTEME AUTO BLOQUANT INTÉRIEUR.	14,20 €



# Both need CRM



Trust in sales forces !



Trust in a social approach

Cover 2 millions customers in 3 geography with a team of 45 peoples !

Covers 20 millions customers in 23 geographies with a team of 3 peoples and 1 million euro in IT automation



› Profiling



# Both need Decisional



Trust in Business Intelligence



Trust in Operation Decisional

Have increase channel satisfaction by 5%



People have the right tool to take decision at the right time... Satisfaction of customer has been double... Implication of employs have been triple and revenue has been increased from 15%



# ROI



Drives a Rolls  
Royce



Just acquired the  
latest Ferrari

Invest 3M€ per  
year

Invest 300K€  
per year

- › Which he bought in the time he could afford it in the mid 80's

# Jim needs a Ferrari !!!



From Jim's perspective his problem is very simple.  
It's just about ...

## Getting some data ....

CRM records  
Comments on the web  
Customer's bill  
Tea Pot Design Sheets  
Feedbacks sessions  
transcripts ...

... well any kind of data

## And produce some nice screen with : ...

Lists  
Pie-Charts  
Summaries  
Pictures  
Tag Clouds  
Pie-Charts  
Search Box

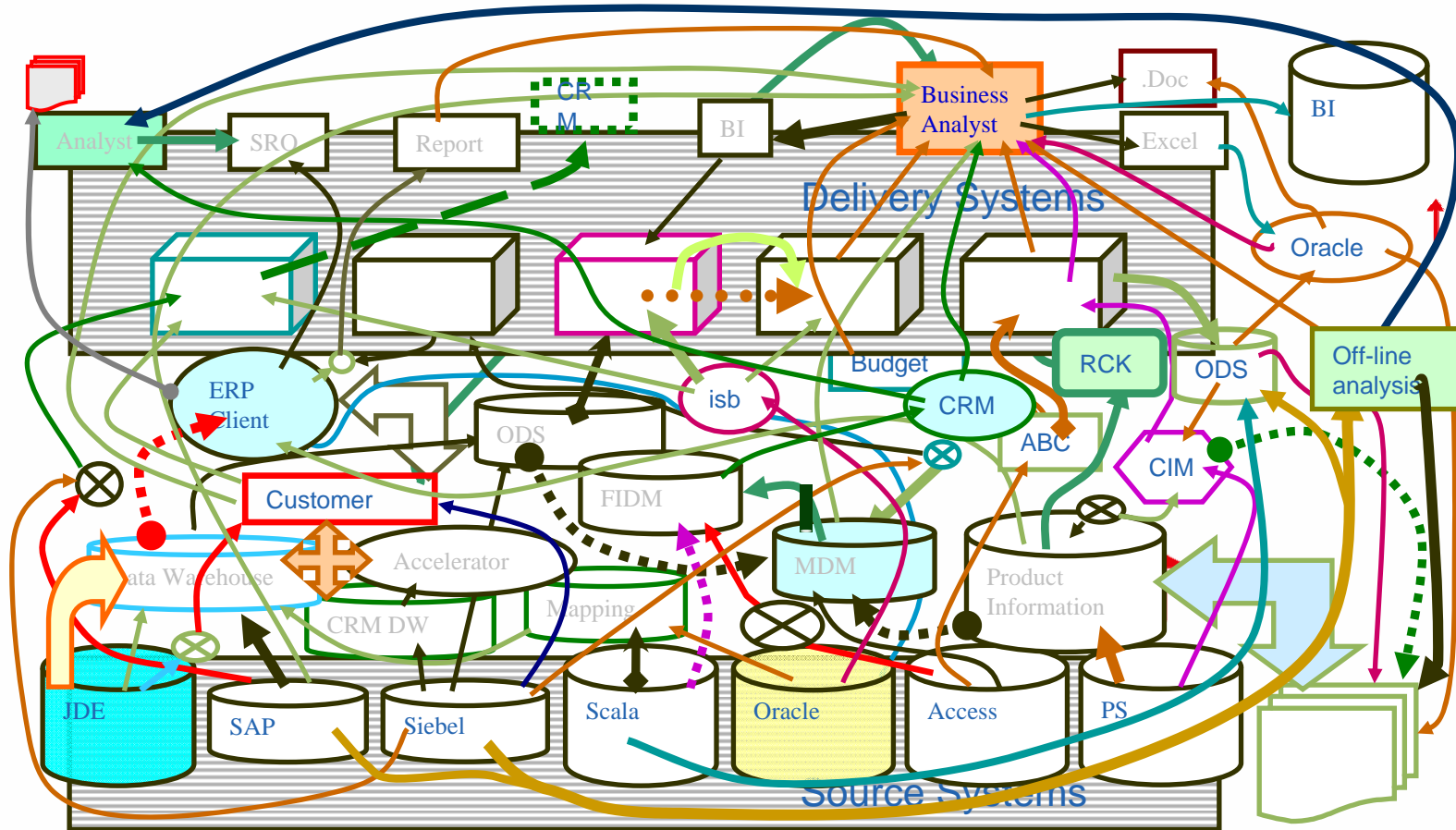
With easy navigation,  
search, etc...

**But IT guys keep saying it's NOT POSSIBLE**  
(or at least too expensive)





# Jim's philosophy : Spaghetti IT ...



# How Exalead Revolutionizes IT

## Jim's Architecture

## Roger's Architecture

Users



**Limited number of users**  
Usage complexity, production costs



**Large number of users**  
Ease of use, traffic scalability

Interface



**Heavy one-shot development**



**Agile applications**

Simple data access, use of standard web technologies

Functional



**Dedicated resources**  
Datamarts, additional hardware



**Generic data layer**

Real time data, high performance querying

Querying



**Structured data**



**All data**

Connectors, structuration of data

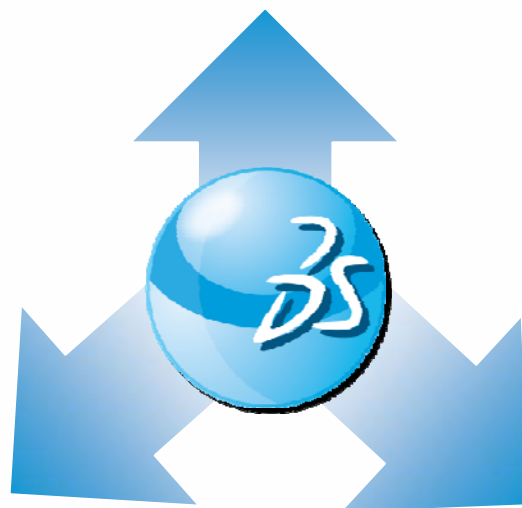
Data Source



# Exalead Value Proposal : Our unique DNA

## Usability 可用性

360° , Google-like, interactive,  
conversational



## Agility 灵活

Flexible, Agile,  
Days vs Months

## Performance 性能

Real time, millions of end-users,  
Terabytes of information

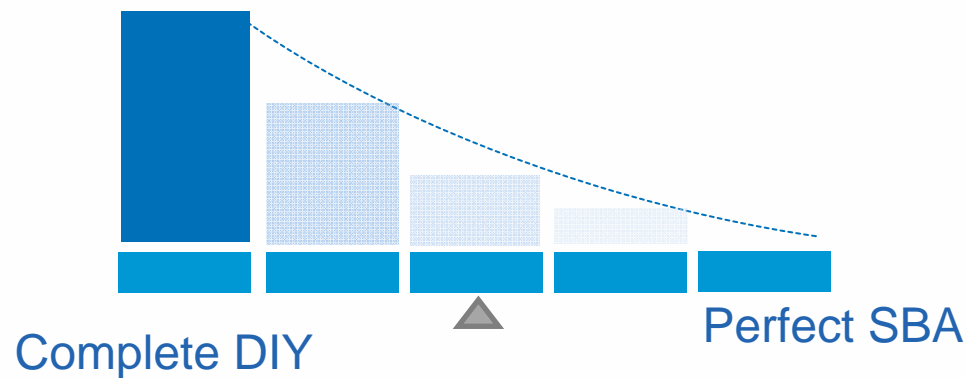
# How can Exalead CloudView™ help ?



Connect	Process	Access	Interact
<ul style="list-style-type: none"> <li>• Get real-time flows of data</li> <li>• Get and maintain security information</li> </ul>	<ul style="list-style-type: none"> <li>• Manage file formats (PDF, office, drawings, XML...)</li> <li>• Ability to understand free text to relate text to business objects</li> </ul>	<ul style="list-style-type: none"> <li>• A highly scalable data repository</li> <li>• full text search, navigation and reporting capabilities (the Index)</li> </ul>	<ul style="list-style-type: none"> <li>• A Framework to create search oriented web applications at the speed of light</li> <li>• Create virtual feeds of information (RSS, etc...) and associate widgets</li> </ul>

Packaged as one, easy to deploy software

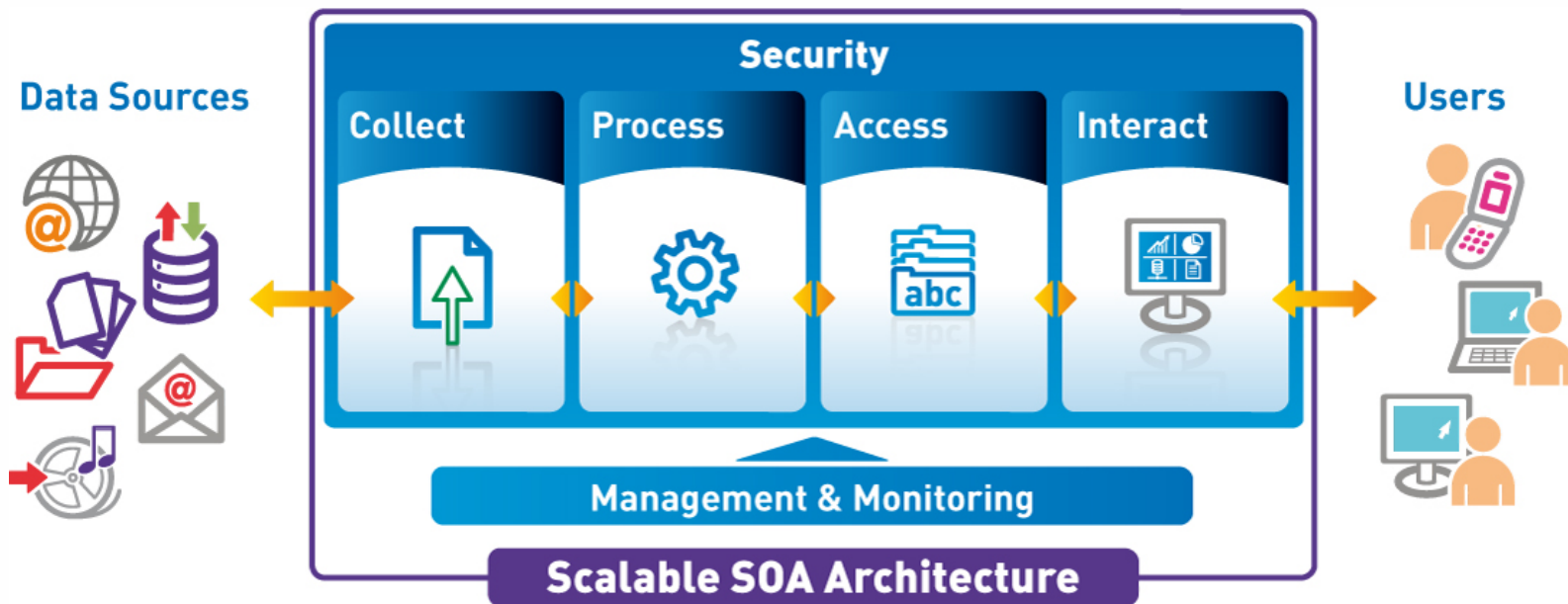
Built-in cluster architecture, for high-availability and scalability



- › Beware that a SBA is not
  - › A replacement for your transactional applications 业务程序
    - A SBA won't manage your workflows, lifecycles, and won't modify the existing systems
  - › A good excuse to drop your business intelligence software
    - A SBA goal is not produce the pixel perfect highly complex final report you have to submit to the SEC (证券交易委员会)
  - › Replace all your complex, historical business systems
    - A SBA goal is not to reproduce all the business logic of existing applications. It's to simplify it for information access
- › A SBA solves critical business issues by enabling easy Search & Discovery into key data by key users  
关键人员通过搜索关键数据来解决危急的业务问题

# Exalead CloudView

- Exalead CloudView is a fully packaged platform to build **SBA** (Search Based Applications)



面向服务的体系结构  
(Service-Oriented Architecture, SOA)

# Search Based Applications Key Characteristics-SBA特性

SEARCH AS YOU  
TYPE

EXPLORE YOUR  
DATABASE

ENRICH /  
STRUCTURE

MERGE

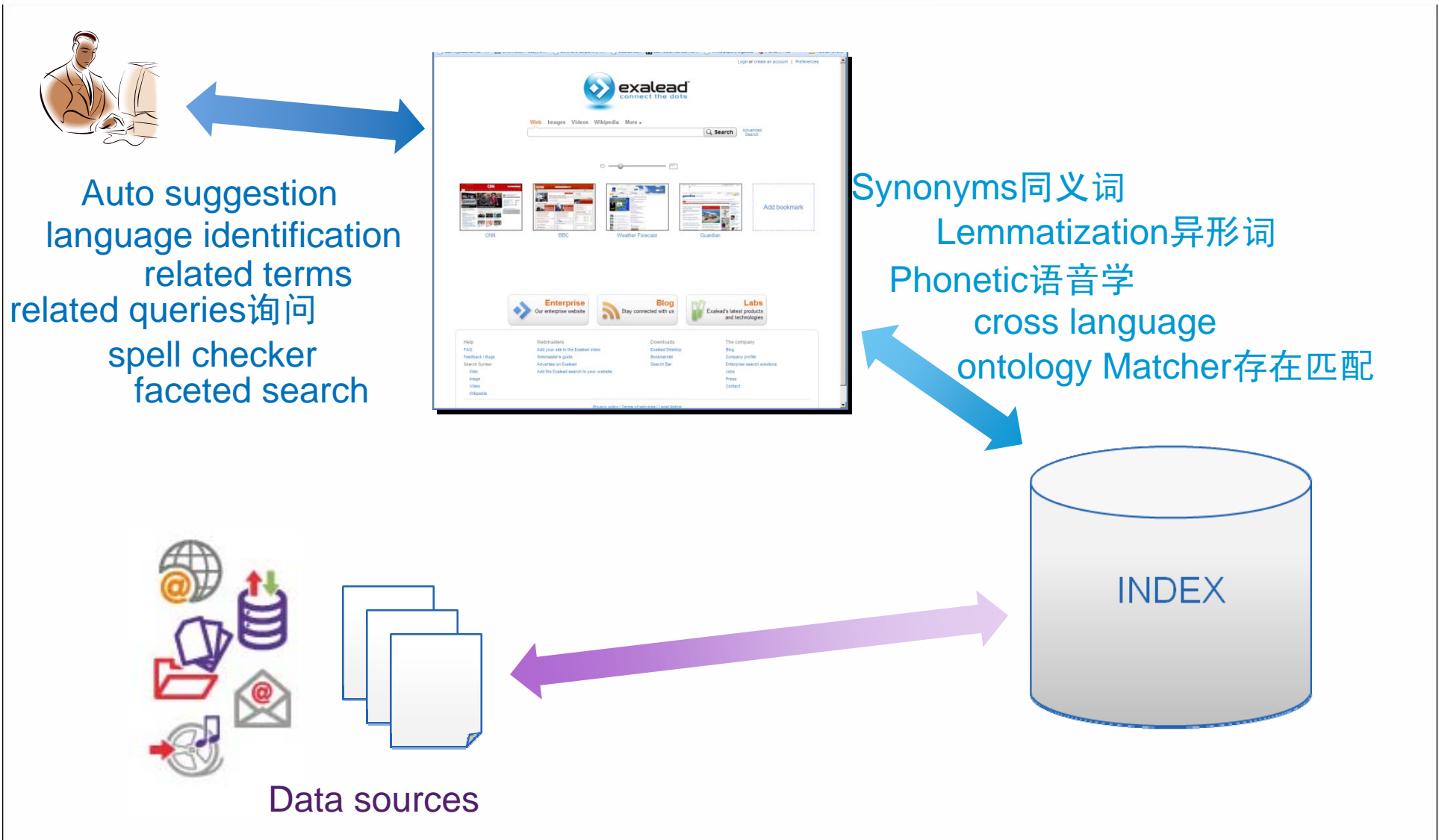
FEDERATE / 360°

OPERATIONAL  
REPORTING

SEARCH AS YOU TYPE



# A powerful semantic语义的 analysis layer



# Auto Suggestion Example



Web Images Videos Wikipedia More ▶

moza

moza

moza

mozart

mozambique

mozarts

mozart effect

mozambique garnet

mozaik

mozart project

mozart festival

mozaiek

mozartkugeln

**Search** Advanced Search

	<i>The Mozart Project</i>	<a href="http://www.mozartproject.org/">http://www.mozartproject.org/</a>
	<i>Wolfgang Amadeus Mozart</i>	<a href="http://w3.rz-berlin.mpg.de/cmp/mozart.html">http://w3.rz-berlin.mpg.de/cmp/mozart.html</a>
	<i>The Mozart Programming System</i>	<a href="http://www.mozart-oz.org/">http://www.mozart-oz.org/</a>

Auto completion of user query as they type



# Synonym, Example

Web Images Videos Wikipedia More

database administrator

Search

Advanced Search

Related Searches: Database Administration, Database, Database Design

Home > Web results 1-10 of 6,768 for "db administrator", Page 1 - Next page

Ads by Google

Your ad here.  
Use Google AdSense to increase your revenue!  
www.google.com

Your ad here.

**DB Administrator Website :: Index**  
[...] Development Welcome to the **DB Administrator** home page. **DB Administrator** is a PHP program that enables you to administrate databases quickly and easily. Copyright (C) 2006 **DB Administrator** Group X/HTML | CSS  
dbadministrator.sourceforge.net  
Cached - Bookmark

**SourceForge.net: Mailing Lists for DB Administrator**  
[...] downloads for **DB Administrator** Find Software Develop Create Project Community Site Support About Search SourceForge.net > Projects > **DB Administrator** > Mail Share **DB Administrator** Summary ...  
sourceforge.net/mail/?group\_id=177180  
Cached - Bookmark

**DB Administrator Jobs in Portland, Or | Indeed.com**  
[...] company Where: city, state, or zip **db administrator** jobs in Portland, OR distance: [...] Get email updates for the latest **db administrator** jobs in Portland, OR My email: You can cancel email alerts at anytime.  
www.indeed.com/q-db-administrator-l-Portland,-OR-jobs.html  
Cached - Bookmark

**Classic Mustang Analyzer Gold Edition Cd-r - HPC-DB Administrator. Softw...**  
HPC-DB Administrator HPC **DB Administrator** is atool that allows you to edit,browse, manage and performsimple queries on databasewith Microsoft Windows poweredHPC, PPC, PocketPCCE V2.0, 2.11, 3.0....  
www.free-pc-download.com/databases--networks-s-98-0-0.html  
Cached - Bookmark

**HPC-DB Administrator**  
HPC-DB Administrator Homepage Software Development Databases & Networks HPC-DB Administrator An advanced utility which lets you manage handheld databases HPC-DB Administrator Download Click ...  
www.shareup.net/Development/Databases-Networks/HPC-DB-Administrator-review-2412.html  
Cached - Bookmark

Site type:  
» Blog  
» Forum

Filetype:  
» pdf  
» powerpoint  
» text  
» word

Related terms:  
» Application Developer  
» Center Server  
» Certification exam  
» Information technologies  
» Practice Exam  
» SQL Servers  
» SQL script  
» Study guide  
» actual questions

Languages :

English (83%)  
German (6%)  
Italian (5%)  
Others (6%)

Countries :

*DB administrator*

is defined as  
synonym of

*Database  
Administrator*

This synonymy  
can be in one  
direction or both  
ways

# Phonetic Example



Web Images Videos Wikipedia More >

soundlike:Filpine

Login or create an account | Preferences

Search

Advanced Search

Home > Web results 1-10 of 20,619,420 for soundlike:Filpine, Page 1 - Next page



## Philippines - Wikipédia

**Philippines** Un article de Wikipédia, l'encyclopédie libre. [...] Pour les articles homonymes, voir République des **Philippines** (homonymie) . [...] renverser les théories admises pour l'histoire des **Philippines**.

[fr.wikipedia.org/wiki/Philippines](http://fr.wikipedia.org/wiki/Philippines)

Cached - Bookmark



## Filippine - geografia cultura e storia

**Filippine**, lunghi week end: i festivi spostati al lunedì **Filippine**, lunghi week end: i festivi spostati al lunedì ... [...] Scuba: **filippine**, isole da sogno Scuba: **filippine**, isole da sogno...

[www.filippine.it](http://www.filippine.it)

Cached - Bookmark



## Misterium - Paranormal, enigme, ozn

Dosarele OZN din **Filippine** devin publice O veste cu adevarat buna: dupa o activitate de aproape doua [...] Cu alte cuvinte, cel putin pentru aceasta organizatie din **Filippine**, acum adevarul poate fi spus.

[misterium.tripod.com/news/2000\\_10/2k10filipin\\_ozn.htm](http://misterium.tripod.com/news/2000_10/2k10filipin_ozn.htm)

Cached - Bookmark



## Philippines - Wikipedia, the free encyclopedia

For the town in the Netherlands, see **Philippine** (Netherlands) . [...] This led to the **Philippine-American War**. [...] It is bounded on the east by the **Philippine Sea**.

[en.wikipedia.org/wiki/Philippines](http://en.wikipedia.org/wiki/Philippines)

Cached - Bookmark

### Site type:

- » Blog
- » Forum

### Multimedia:

- » Audio

### Filetype:

- » pdf
- » word

### Related terms:

- » Cebu City
- » Hotels in Philippines
- » Metro Manila
- » PDFAdobe Acrobat
- » Philippine Business
- » Philippine News
- » Philippines Hotels
- » Philippines Online
- » Rights Reserved
- » Travel Philippines

### Languages :



# Lemmatization

wellcome trust  
sanger  
institute

Sports Field  
Car Park A  
The Sulston Laboratories  
Conference Centre  
Residential Court

Search

cloning Search

Your query matches 6420 entries in the search database. Viewing hits 1-10

1 2 3 4 ... 97 98 99 100

**Cloning**  
Hopefully, this will turn into a full fledged tool to recompute the physical map and assess its reliability. At present, it does very little. This option is not linked in release 1.4 Select project This will look for a binary file \$ACEDB\_DATA/sulston/whatever\_you\_enter.bnd. if it does not exist the program will try

Source: AceDB; public websites

**TAR CLONING:**  
two stages (see figure 1.): In the first stage a targeting vector is created, by cloning a 500bp PCR product into the Xho-I site of pEB2. The PCR product, Telomere Capture URA3 pEB2 6548 bp Xho I TEL Cla I 500bp PCR product is cloned into Xho-I Site. Correct orientation has: CEN TEL Plasmid is linearised by digestion

Source: WTSI; public websites

**The Sanger Institute: Sanger Library & Information Service**  
) Select a Letter

Source: Library; public websites

**S.scrofa**  
and also the name of the BAC from which each BES was produced. A BAC clone name e.g. CH242-196P11, provides a link to further information containing, where possible, as shown in the 'Pig BAC ends' track in human ensembl). d, porcine sequenced clone CH242-196P11 (CR9) contains the porcine homologue to GNMT. e, pig clone map. f,

Source: WTSI; public websites

**S.scrofa**  
Search: All Sequencing Human (HGP) Pathogens Blast S.scrofa Overview: Clone Mapping Clone Sequencing End Sequencing Contacts Website Search

Search  
Date  
2001 (12)  
2002 (10)  
2003 (17)  
2004 (1472)  
05 (277)  
Kind  
excel (2)  
html (5989)  
pdf (108)  
text (297)  
word (3)  
Language  
en (5813)  
pt (4)  
xx (603)  
Source  
public websites (6420)  
AceDB  
GeneDB  
MEROP  
WTSI  
Keywords  
Assembly Zv  
Bacterial col  
Chromosome mapping (5)  
Clone libraries (6)

# Cross Language Information Retrieval

The screenshot displays the Voxalead news website interface. At the top, there are navigation links: Exalabs, Chromatik, Constellations, Exalead Light, MiiGet, Sourcier, Tweepz, **Voxalead**, and Wikifier. A search bar contains the word "afghanistan", which is circled in red. Below the search bar, there are language selection options: All, Français, English, 中文, and العربية. A "Select sources" button is also visible. The main content area shows a grid of news items. The second item in the first row is circled in red and features a microphone icon. The text below it reads: "December 2, 2009: ...美国总统奥巴马公布了阿富汗新政策在明年夏天之前美国...". Other news items include dates like "October 12 2009" and "August 25 2009" with brief descriptions of events related to Afghanistan. The website also features a "Voxalead news" logo and a "Feedback" link in the top right corner.

# Ontology Matcher : add an alternative indexing form to a string span

The screenshot shows the Exalead search engine interface. At the top, the search bar contains the text "01090". A red circle highlights this search term, and a red arrow points from it to another red circle highlighting the search results for "Montmerle sur Saône (01090)". The search results are displayed in a list format, with each result showing a thumbnail, title, and description. The first result is "Montmerle sur Saône - Commune de l'Ain - Rhône-Alpes". The second result is "Montmerle-sur-Saône - Wikipédia". The third result is "Café de la Mairie de Montmerle sur Saône restaurant Montmerle-sur-Saône...". The fourth result is "Montmerle sur Saône - Commune de l'Ain - Rhône-Alpes". The fifth result is "Maison a vendre Montmerle sur Saône (01090) Achat Appartement Montm...". On the right side of the interface, there are filters for "Type de site", "Type de fichier", "Termes associés", and "Langues". There are also two pie charts showing the distribution of results by language and country.

01090

Rechercher Recherche Avancée

Accueil > Résultats Web 1-10 de 83 751 pour "montmerle sur saone", Page 1 - Page suivante

Annonces Google

**Montmerle sur saone**  
Toutes les infos sur Montmerle sur saone  
Météo, trafic, plan, spectacles  
[www.pagesjaunes.fr](http://www.pagesjaunes.fr)

**Saone**  
Maison D'hôtes aux Porte de Lyon  
Sélectionnée par Guides de Charme  
[www.lhb-hote.fr](http://www.lhb-hote.fr)

**Montmerle sur Saône - Commune de l'Ain - Rhône-Alpes**  
Dernières ACTUALITES sur la commune - Informations administratives - Marchés publics Site du CAMPING de Montmerle sur Saône Montmerle est une agréable cité de 3786 habitants ...  
[www.mairie-montmerle.fr](http://www.mairie-montmerle.fr)  
En cache - Raccourci

**Montmerle-sur-Saône - Wikipédia**  
Montmerle-sur-Saône Un article de Wikipédia, l'encyclopédie libre. [...] Montmerle-sur-Saône Ajouter une image Administration Pays [...] Les habitants de Montmerle-sur-Saône s'appellent les Montmerlois.  
[fr.wikipedia.org/wiki/Montmerle-sur-Saône](http://fr.wikipedia.org/wiki/Montmerle-sur-Saône)  
En cache - Raccourci

**Café de la Mairie de Montmerle sur Saône restaurant Montmerle-sur-Saône...**  
[...] de la Mairie de Montmerle sur Saône Montmerle-sur-Saône Restaurant Montmerle-sur-Saône Video resto Montmerle-sur-Saône Coupon restos Newsletter restaurants Agenda Resto lyon Blog lyonresto.com ...  
[www.cafe-mairie-montmerle.com](http://www.cafe-mairie-montmerle.com)  
En cache - Raccourci

**Montmerle sur Saône - Commune de l'Ain - Rhône-Alpes**  
Montmerle, entre Dombes et Beaujolais, est une agréable cité de 3649 habitants située en bordure de rivière à une quarantaine de kilomètres de Lyon. En saison estivale, elle accueille de nombreux ...  
[montmerle.fr](http://montmerle.fr)  
En cache - Raccourci

**Maison a vendre Montmerle sur Saône (01090) Achat Appartement Montm...**  
[...] 465332 : APPARTEMENT RENOVE 3 CHAMBRES Maison à vendre Montmerle sur Saône (01090) : APPARTEMENT RENOVE 3 CHAMBRES Appartement Montmerle sur Saône (01090) : APPARTEMENT RENOVE 3 CHAMBRES - 23/10/2009 - ...  
[www.alliancesudexpertise.com/ventes-appartement-maison-465332-montmerle\\_sur\\_saone-01090...](http://www.alliancesudexpertise.com/ventes-appartement-maison-465332-montmerle_sur_saone-01090...)  
En cache - Raccourci

Type de site :  
» Blog  
» Forum

Type de fichier :  
» excel  
» pdf  
» text  
» word

Termes associés :  
» Codes postaux  
» présentes conditions

Langues :

Langue : Français (93%)  
Anglais (5%)  
Autres (2%)

Pays :  
France (86%)  
États-Unis (5%)  
Allemagne (2%)  
Royaume-Uni (2%)  
Autres (5%)

For example, we can use the ontology matcher so that searching any postal code will also search for any cities matching that code.

EXPLORE YOUR  
DATABASE



# How to explore a database ?

The screenshot shows a web application interface for GEFCO. The main content area is titled 'Recherche T & T' and contains a search form with the following fields: 'VIN', 'Code constructeur (XXX)', 'VDS (XXXXXX)', 'Immatriculation', and 'Num DIALOG'. The 'Num DIALOG' field is highlighted with a red box. There are also buttons for 'Réinitialiser' and 'Rechercher', and a dropdown for 'Nombre de résultats par page' set to 10. The interface is part of a larger system with a navigation menu on the left and a top header with the GEFCO logo and 'LOGISTICS FOR MANUFACTURERS'.

**Traditional search on database is complicated:**

- Several fields to fill in
- Need to know field values

# Natural language query on Database

The screenshot shows the GEFCO Automotive Portal interface. At the top, the logo 'GEFCO' is displayed in yellow, with the tagline 'LOGISTICS FOR MANUFACTURERS' and the title 'PORTAIL AUTOMOTIVE'. Navigation links include 'Track & Trace', 'Demande de livraison', 'En-cours', and 'Espace partenaires'. A user session indicator shows 'root root | Déconnexion'.

The main section is titled 'Track & Trace' and contains a search form. The search input field contains the text 'C4 picasso rouge rennes' and is highlighted with a red border. A blue 'Recherche' button is positioned to the right of the input field. Below the input field, there is a small icon and the text 'Entrée multiple'. A link for 'Recherche avancée' is located to the right of the search button.

Below the search form, a message states: '75 résultats affichés sur 0 véhicules trouvés (La recherche est limitée à 999 véhicules.) | 1 véhicule recherché'. There are links for 'Ajouter au panier' and 'Exporter'.

<input type="checkbox"/>	VIII	Immat	OF	Ligne de produit	MAD RTR	Date d'affectation	Opération en cours	Date début opération	Agence de départ	Agence d'arrive
	<a href="#">VF7UA9HZC45044886</a>	-	7B310317	C4 PICASSO	15/02/2007	15/02/2007	Stockage	13/02/2007	GEFCO RENNES	GEFCO RENNES
	<a href="#">VF7UD9HZC45085181</a>	-	7D301482	C4 PICASSO	17/04/2007	02/05/2007	-	-	-	-
	<a href="#">VF7UD9HZC45085181</a>	-	7D301482	C4 PICASSO	02/05/2007	02/05/2007	Stockage	02/05/2007	GEFCO RENNES	GEFCO RENNES

**Exalead CloudView** allows Natural Language queries on structured data

# Infer semantic from your database 从你的数据库里进行语义推断

**1**

Sources HTML filters Document filters Index **Categorization**

**CATEGORIZATION**

**AXES LIST**

Attributes	
Commercial	rename delete
Licence	rename delete
Prestation	rename delete
Reglement	rename delete
Societe	rename delete
Source	

**SOURCE: my\_GRM** wizard connection parameters queries fields selection help

copy config from Choose

Global configuration

DISPLAY SUMMARY  accept

Fields configuration

**SQL FIELDS**

Reffacture (string_k)	delete
RefCommande (string)	delete
<b>Raison_Societe (string)</b>	delete
Type_Licence (string)	delete
Type_Prestation (string)	delete
Nb_Jour_prestation (double)	delete
Date_de_valeur (datetime)	delete
Date_de_Paiement (datetime)	delete
Pave (string)	delete
RaisonNonPaiement (string)	delete
Commercial (string)	delete
Adresse (string)	delete
URL (string)	delete
Montant (double)	delete
RefClient (string)	add

**Field: Raison\_Societe**

PRIMARY KEY	<input type="checkbox"/>
USE AS TIMESTAMP	<input type="checkbox"/>
REF.	\$(3)
ACCUMULATE	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
URL	<input type="checkbox"/>
THUMBNAI URL	<input type="checkbox"/>
INDEX CONTENT	<input checked="" type="checkbox"/>
TEXT SCORE	Normal text
HTML CONTENT	<input type="checkbox"/>
DISABLE WORD FILTERS	<input type="checkbox"/>
DISPLAY	<input checked="" type="checkbox"/>
DISPLAY NAME	Raison_Societe
DISPLAY LENGTH IN RESULTS	0
ADD TO SUMMARY	<input checked="" type="checkbox"/>
DATE	<input type="checkbox"/>
SIZE	<input type="checkbox"/>
LANGUAGE	<input type="checkbox"/>
SECURITY TOKEN	<input type="checkbox"/>
DISPLAY IN PREVIEW	<input checked="" type="checkbox"/>
CATEGORIZATION ROOT	Societe
FIELD	<input type="checkbox"/>
FIELD NAME	raison_sociale
ENUM FIELD	<input type="checkbox"/>
FILE	<input type="checkbox"/>
FILE ROOT	

**2**

**3**

**Refine your search**

**Date**

- 2008 (58) [exclude](#)
- June 2008 [exclude](#)
- July 2008 [exclude](#)

**Societe**

- Cab Gerini (11) [exclude](#)
- Auchon (11) [exclude](#)
- Nara Fr (6) [exclude](#)
- Mind4all Gmbh (5) [exclude](#)
- Aras Creation (5) [exclude](#)
- KnowledgeCI (3) [exclude](#)
- Sacrosoft US (3) [exclude](#)
- Nara Spain (3) [exclude](#)
- CNP Paris (2) [exclude](#)
- FRA Systems (2) [exclude](#)

**Reglement**

- Oui (48) [exclude](#)
- Non (10) [exclude](#)

**Commercial**

- Francois Martin (16) [exclude](#)
- Jean-Pierre Durand (12) [exclude](#)
- Helene France (11) [exclude](#)
- Christine Fontaine (10) [exclude](#)
- Jean-Luc Dupont (9) [exclude](#)

**Licence**

- Deluxe (7) [exclude](#)
- Standard (6) [exclude](#)
- Basic (5) [exclude](#)

**Prestation**

- Developpement (13) [exclude](#)
- Formation (12) [exclude](#)
- Deploiement (9) [exclude](#)
- Configuration (7) [exclude](#)

Search within results

**Go**

[+ Less choices](#)

[matrix](#) | [mailing lists](#) | [marketing](#) | [airtube](#) | [sales](#) | [bugs](#)  
  [Advanced search](#)

**Search Results** Results 1-10 of about 840 for developing countries

**Sort by relevance** - [Sort by date](#) - [Sort by size](#) | View:  HTML  XML

**1** [IDC WW Search Discovery Forecast 2007-2011.pdf](#)  
 The search market is in for another tumultuous year of fast growth. I ... Whether this consolidation will be in conjunction with business intelligence applications. ...  
 29 May 2008 - 220k  
 Source: [Via société](#) - [Formations Nouveaux Arrivants](#) - [Resources](#) - [Additional interesting documents](#)  
 Famous people: [Susan Feldman](#), [Basel II](#)  
 Geographic location: [Dss](#), [Americas](#), [Asia](#), [Spain Street](#), [USA](#), [United States](#), [Geographic Region](#), [White North](#)  
 Organization: [Microsoft](#), [IBM](#), [Oracle](#), [Google](#), [Asx Jeeves](#), [AJAX](#)

**2** [Research Areas, FP7](#)  
 International collaboration with **Developing Nations** and **Emerging Economies** PAGEREF  
 \_Too193707850 in Editors ... Further, since the combination of media and ...  
 21 Mar 2008 - 656k  
 Source: [Via société](#) - [Documentation](#) - [Contracts](#) - [Consortium Projects](#) - [z\\_FFP](#) - [CHORUS](#)  
 Famous people: [Pedro Pablo Kuczynski](#), [Luis Suarez-Villa](#), [Petros Dares](#)  
 Geographic location: [Europe](#), [Business North](#), [Japan](#)  
 Organization: [FMI](#), [EU](#), [European Commission](#), [European Union](#), [Information Society](#), [The European Commission](#), [Gartner Group](#), [Enabling New Mobile](#), [Virtual Community](#)

**3** [SIXTH FRAMEWORK PROGRAMME](#)  
 search engines with the goal of **developing** an open source prototype of a distributed, semantic-based search ... goals, **developing** a system that is both ...  
 24 Apr 2007 - 3109k  
 Source: [Via société](#) - [Documentation](#) - [Contracts](#) - [Consortium Projects](#) - [z\\_FFP](#) - [SeenOnTV](#)  
 Famous people: [Aline Blomfontaine](#), [Karl Aberer](#), [Henry Yim](#), [Wray Bunting](#), [Alvin Architecture](#), [Adeline Nazareno](#)  
 Geographic location: [Paris](#), [Europe](#), [US](#), [Pu](#), [Denmark](#), [France](#), [Finland](#)  
 Organization: [INRA](#), [EU](#), [Exalead](#), [EPFL](#), [Google](#), [Microsoft](#), [IBM](#), [Project Management Committee](#), [Université Paris](#), [European Commission](#)

**4** [2](#)  
 2.2 individual participants (Maximum length ... efficiency and satisfaction, and **developing** applications and platforms with which ageing people feel more at ...  
 02 May 2007 - 102k  
 Source: [Via société](#) - [Documentation](#) - [Contracts](#) - [Consortium Projects](#) - [z\\_FFP](#) - [SeenOnTV](#) - [Admin](#)  
 Famous people: [Ayala Renuw](#), [Simon van Dam](#), [Daniel Ockerden](#), [Florjan van der Velden](#), [John De Vei](#), [Kees Tulenbreijer](#)  
 Geographic location: [France](#), [Adress](#), [The Netherlands](#), [Europe](#), [Italy](#), [Greece](#), [Halle](#)  
 Organization: [IBM](#), [Exalead](#), [Philips](#), [Jorn Halbe](#), [EU](#), [Iligellan Partners](#), [European Commission](#), [Philips Consumer Electronics](#), [Digital TV](#), [Carnegie](#)

**5** [untitled](#)  
 Preparing for Digital Natives Joining Your Workforce November 3-7, 2008 ... access to the internet, which will be nearly fully democratized in most countries.  
 20 Oct 2008 - 752k  
 Source: [Via société](#) - [Documentation](#) - [Sales and communication kit](#) - [Powerpoint Presentation](#) - [Event presentations](#) - [Gartner Symposium Cannes 2008](#)  
 Famous people: [Monica Basso](#), [Mark Prentky](#), [Chris Anderson](#), [Abraham Maslow](#), [Will They Be](#)  
 Geographic location: [Cannes](#), [France](#), [Africa](#)  
 Organization: [Gartner](#), [Inc](#), [Gartner](#), [Communities and Social Networks](#), [Disney](#), [Fun Community](#), [LEGO](#), [Diversity II and Mobile Skills Information Retrieval Consumer Products](#), [Social Networks](#), [Amazon](#), [Arista](#)

**6** [untitled](#)  
 The Big Bang: Demand for Advanced Leadership ... rather than directing, by **developing** self-organizing structures rather than reporting structures and by ...  
 07 Nov 2008 - 520k  
 Source: [Via société](#) - [Documentation](#) - [Sales and communication kit](#) - [Powerpoint Presentation](#) - [Event presentations](#) - [Gartner Symposium Cannes 2008](#)  
 Famous people: [Diane Moretto](#), [Marine Corps](#), [Will Exploit](#)  
 Geographic location: [Marines](#), [U.S.](#), [Cannes](#), [France](#), [Ghana](#), [Philippines](#)  
 Organization: [Gartner](#), [Inc](#), [Gartner](#), [IBM](#), [Zappos.com](#), [America's NASA](#), [Internal Parties External Partners](#), [Homogeneous Limited](#)

**7** [untitled](#)  
 Retirement: In developed countries, retirement will be pushed back ... as business activities move within developed, emerging and **developing** countries.  
 07 Nov 2008 - 622k  
 Source: [Via société](#) - [Documentation](#) - [Sales and communication kit](#) - [Powerpoint Presentation](#) - [Event presentations](#) - [Gartner Symposium Cannes 2008](#)  
 Famous people: [Yvonne Genouève](#), [Mark Prentky](#)  
 Geographic location: [Cannes](#), [France](#), [India](#), [U.S.](#), [Applications Building](#), [Berkeley](#), [Belling](#), [Hyderabad](#)

**Source**  
 Via société (402) exclude  
 Documentation (221) exclude  
 Commercial (81) exclude  
 Marketing (36) exclude  
 Client (20) exclude  
 Professional Services (19) exclude  
 Documentation (222) exclude  
 Contracts (93) exclude  
 Sales and communication kit (59) exclude  
 Archives (29) exclude  
 Press (27) exclude  
 Competition (12) exclude  
 Commercial (89) exclude  
 ADK (66) exclude  
 Philippe DELTENRE (19) exclude  
 Sylvain CHENE (2) exclude  
 Emmanuel VION (2) exclude  
 Exalead E-Mail (88) exclude  
 Shared Folders (88) exclude  
 Sales and communication kit (58) exclude

**Sender**  
 Ameri Rizvi (2) exclude  
 Carole Offredo (16) exclude  
 Cella Reul (11) exclude  
 Ella Maria Barragan (4) exclude  
 Florian Douveteau (4) exclude  
 Giuseppe Comissa (6) exclude  
 Julien Glede (23) exclude  
 Manufacturing News (2) exclude  
 gcanolas@aimsoo.com (15) exclude  
 mqtraud@aimsoo.com (5) exclude

**Recipient**  
 dles-alls@atosorigin.com (20) exclude  
 francois.laquinas@exalead.com (12) exclude  
 jim@imperial.ac.uk (11) exclude  
 jobs-fr@exalead.com (22) exclude  
 lucretia.maiorese@chevo.ro (11) exclude  
 pablo.franceschini@cheura.com (11) exclude  
 pelisse-duplohot-zirah@wanadoo.fr (11) exclude  
 presse@exalead.com (11) exclude  
 r.attias-dc@portasso.fr (11) exclude  
 santor@cirfd.unibo.it (11) exclude

**Document type**  
 Acrobat (.pdf) (503) exclude  
 Word (.doc) (321) exclude  
 HTML (.html) (24) exclude  
 Rich Text Format (.rtf) (21) exclude  
 PowerPoint (.ppt) (19) exclude  
 Excel (.xls) (18) exclude  
 E-Mail attachments (11) exclude  
 Text (10) exclude  
 E-Mail (10) exclude  
 MS Open XML Word (.docx) (6) exclude

**Date**  
 2009 exclude  
 2008 (276) exclude  
 March 2008 exclude  
 April 2008 exclude



# Tabular facets

**GEFCO**  
LOGISTICS FOR MANUFACTURERS

**PORTAIL AUTOMOTIVE**

Track & Trace | Demande de livraison | En-cours | Espace partenaires

marc@gefcocorpel | Déconnexion

## En Cours

**Vous avez filtré 499 véhicules**

**Recherche avancée :**

- Destination :** JPN - Supprimer
- Statut :** En cours - Supprimer
- Agence départ :** Usine - Supprimer

**Annuler les filtres**

**Afficher véhicules**

**Statut** [Voir le graphique](#)

<input checked="" type="checkbox"/> - En cours	499	100.0 %
--	-----	---------

**Type d'opération** [Voir le graphique](#)

<input checked="" type="checkbox"/> - Livraison maritime	264	52.9 %
<input checked="" type="checkbox"/> - Usine	191	38.27 %
<input checked="" type="checkbox"/> - Transit sur Centre	44	8.81 %

**Type de transport** [Voir le graphique](#)

<input checked="" type="checkbox"/> - Transport mer	264	100.0 %
---	-----	---------

**Agence départ** [Voir le graphique](#)

<input checked="" type="checkbox"/> - GEFCO LE HAVRE	299	97.07 %
<input checked="" type="checkbox"/> - ***À SUPPRIMER***	9	2.92 %

**Agence arrivée** [Voir le graphique](#)

<input checked="" type="checkbox"/> - CHIBA	264	85.71 %
<input checked="" type="checkbox"/> - GEFCO LE HAVRE	35	11.36 %
<input checked="" type="checkbox"/> - ***À SUPPRIMER***	9	2.92 %

**Destination** [Voir le graphique](#)

<input checked="" type="checkbox"/> - JPN	499	100.0 %
---	-----	---------

**Usine de production** [Voir le graphique](#)

<input checked="" type="checkbox"/> - (102) Sochaux	190	38.46 %
<input checked="" type="checkbox"/> - (130) Poissy	139	28.13 %
<input checked="" type="checkbox"/> - (120) Rennes	101	20.44 %
<input checked="" type="checkbox"/> - (368) Vigo	42	8.5 %
<input checked="" type="checkbox"/> - (109) Mulhouse	11	2.22 %
<input checked="" type="checkbox"/> - 377	9	1.82 %
<input checked="" type="checkbox"/> - (367) Villaverde	2	0.4 %

**Type de véhicule** [Voir le graphique](#)

<input checked="" type="checkbox"/> - VN	499	100.0 %
--	-----	---------

**Genre** [Voir le graphique](#)

<input checked="" type="checkbox"/> - VEHICULE PARTICULIER	494	98.99 %
<input checked="" type="checkbox"/> - REMORQUE	3	0.6 %
<input checked="" type="checkbox"/> - MATERIELS DIVERS	1	0.2 %
<input checked="" type="checkbox"/> - BATTERIE	1	0.2 %

**Marque** [Voir le graphique](#)

<input checked="" type="checkbox"/> - PEUGEOT	351	70.34 %
<input checked="" type="checkbox"/> - CITROEN	143	28.65 %
<input checked="" type="checkbox"/> - TOUTES MARGUES	5	1.0 %

**Ligne de produit** [Voir le graphique](#)

<input checked="" type="checkbox"/> - 308	191	38.27 %
<input checked="" type="checkbox"/> - 207	141	28.25 %
<input checked="" type="checkbox"/> - C5 2	85	17.03 %
<input checked="" type="checkbox"/> - C4 PICASSO	42	8.41 %
<input checked="" type="checkbox"/> - 407	10	2.0 %
<input checked="" type="checkbox"/> - C4	10	2.0 %
<input checked="" type="checkbox"/> - 206	9	1.8 %

**Statut blocage** [Voir le graphique](#)

<input checked="" type="checkbox"/> - Non bloqué	498	99.79 %
<input checked="" type="checkbox"/> - Bloqué	1	0.2 %
<input checked="" type="checkbox"/> - ___ Exp	1	___ 100 %

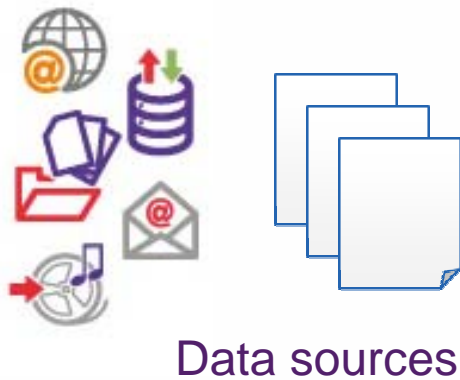
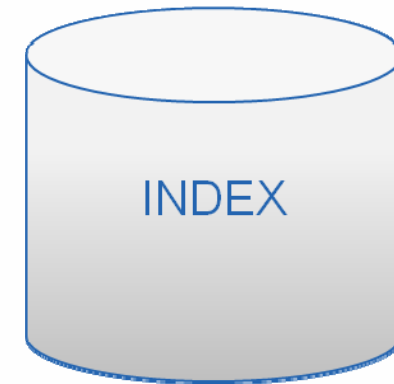
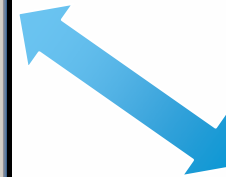
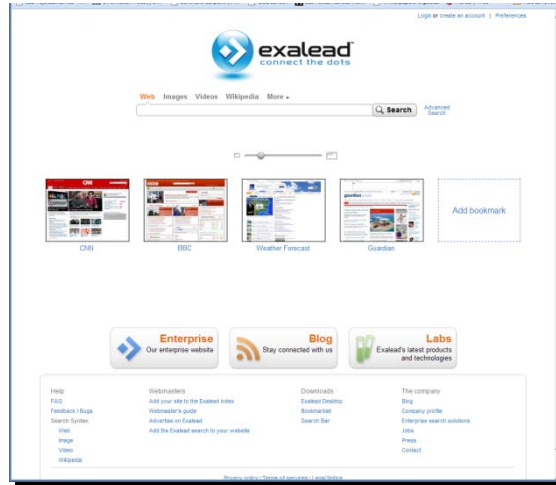
**Centre de gestion** [Voir le graphique](#)

<input checked="" type="checkbox"/> - U.K. PC TRANSITAIRE	299	97.07 %
<input checked="" type="checkbox"/> - U.K. PC TRANSITAIRE	9	2.92 %

version 1.1

ENRICH / STRUCTURE

# A powerful semantic analysis layer



Data sources

sentiment analysis  
named entity



QueryMatcher

FastRules

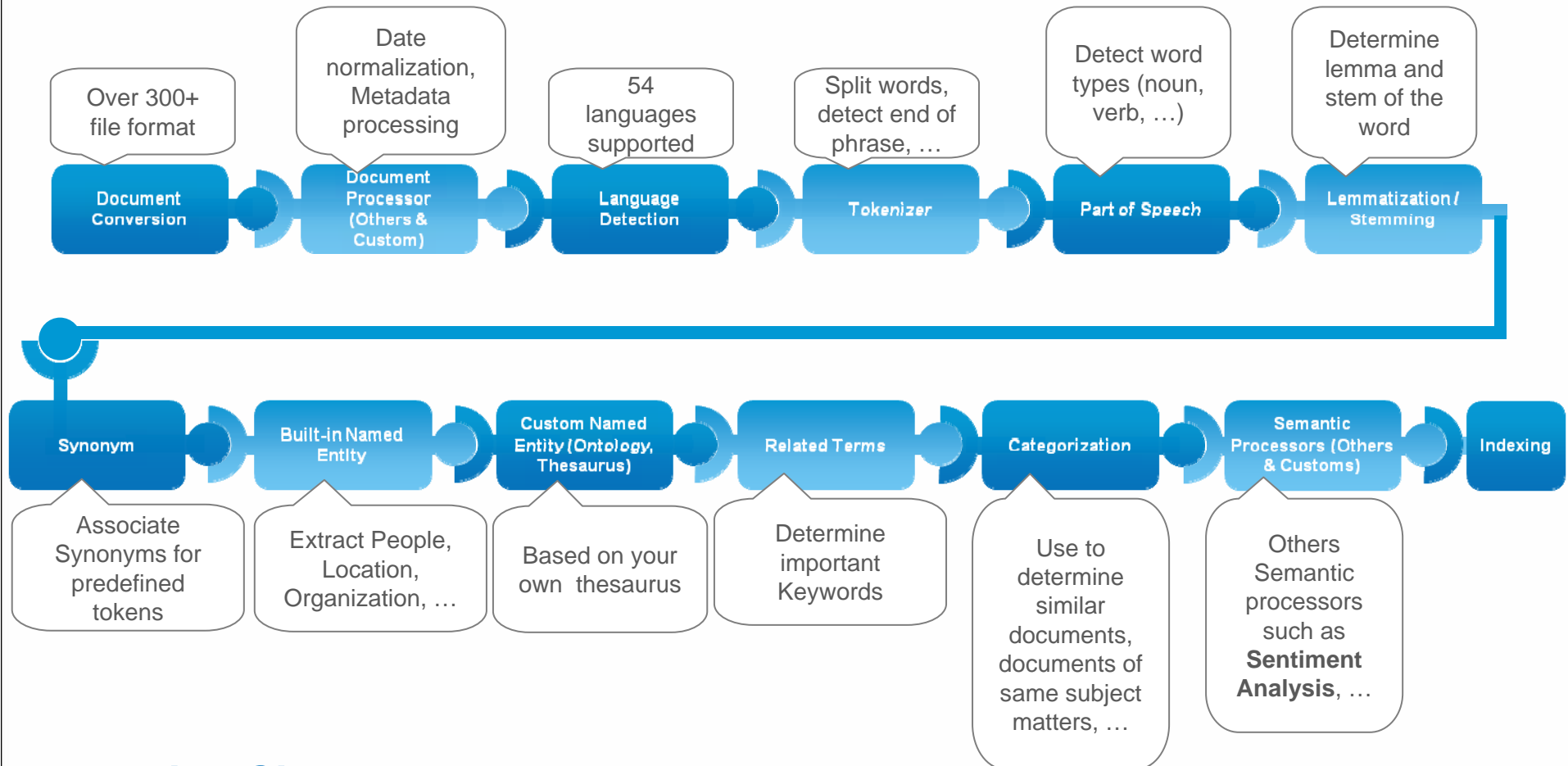
HTMLRelevantContextExtractor

Categorizer

Clusterer

# Processing Pipelines

*Get the most out of your content*



## Indexing Side



# Rules Matcher Named Entities



exalead

Web Images Vidéos **Wikipédia** Plus ▶

Michelle Obama

Rechercher

Recherche Avancée

Recherches associées : Michelle Obama Plante

S'identifier ou créer un compte | Préférences

Accueil > Résultats Wikipédia 1-10 de 301 pour Michelle Obama, Page 1 - Page suivante

Langue : Anglais



## Michelle Obama

See also: **Michelle** Robinson's family tree [...] 2008 Presidential election Campaigning for Barack **Obama** [...] conservative columnist **Michelle** Malkin about ...  
[en.wikipedia.org/wiki/Michelle\\_Obama](http://en.wikipedia.org/wiki/Michelle_Obama)  
En cache - Raccourci

Catégories : illinois democrats, women in illinois politics, plus...

Personnes : Oprah Winfrey, Maria Pinto, plus...

Organisations : AFL-CIO, Home Journal, plus...

Lieux : Illinois, Chicago, Illinois, plus...



## Oprah Winfrey's endorsement of Barack Obama

Endorsing Barack **Obama** [...] vote for **Obama**, if only because they thought her endorsement made **Obama** more [...] "It made **Obama** more than a 'Black' candidate."  
[en.wikipedia.org/wiki/Oprah\\_Winfrey's\\_endorsement\\_of\\_Barack\\_Obama](http://en.wikipedia.org/wiki/Oprah_Winfrey's_endorsement_of_Barack_Obama)  
En cache - Raccourci

Catégories : oprah winfrey, barack obama

Personnes : Oprah Winfrey, Andrew Pease, plus...

Organisations : Amazon.com, Democratic Party, plus...

Lieux : Illinois, Amarillo, Texas, plus...



## Marian Shields Robinson

[...] Lady of the United States **Michelle Obama**. She is the mother-in-law of President Barack **Obama** and the only surviving grandparent of Malia and Sasha **Obama**.  
[en.wikipedia.org/wiki/Marian\\_Shields\\_Robinson](http://en.wikipedia.org/wiki/Marian_Shields_Robinson)

Catégorie Personne

Lieu Organisation

Chicago John McCain

german-americans

united states presiden...

United States First Lady

The New York Times

english americans

Hillary Clinton

Senator Barack Obama

Fox News Bill Clinton

George W. Bush

President George W. Bush

USA american television ac...

living people CBS Illinois

Anna's New York Times

grammy award winners

barack obama US NBC

american roman catholics U.S.

american film actors

Michelle Obama

# Sentiment Analyzer



## Restminer

Search

Advanced Search



### Blue Smoke

116 E 27th St, New York, NY 10016, USA

Phone: (212) 447-7733

Subway: 6 at 28th St.

Website: <http://www.bluesmoke.com> - Book Online!

Kind of food: Barbecue, American, American Traditional, Southern & Soul, American (Traditional)

Overview

Comments

Menu

## Overview

### Review

«forget what the 'cue quibblers sayx97blue smoke is an ingenious manhattan barbecue joint with a woody barroom full of red-vinyl booths, a skylit dining room, and a hot jazz club downstairs. true, some of the barbecue isn't there yet, but each visit shows improvement, as pit master kenny callaghan breaks in those missouri-made smokers. salt-and-pepper beef ribs are terrific; so are sides and desserts, and as far as pit-smoked foie gras and salmon goes, what's the problem? this ain't east treestump, texas, after all.»

From New York Magazine

### Most viewed comment

«Went to Blue Smoke tonight. The waitstaff was friendly, even if the last sip of my beer was whisked away without so much as an Are you finished with that? Had the baby back ribs, with a side of fries, mac & cheese and hush-puppies. The remoulade that comes with the hush-puppies makes this dish a real specialty. The mac & cheese was creamy, to put it mildly; very tasty, but for the hint of chemically Veltita-esque after-taste. The fries - excellent: they arrived fresh, hot, with a crispy exterior (no batter on these little critters) and with the genuine taste of potato without t... More >>>

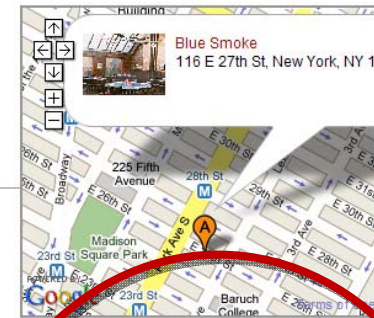
From New York Magazine

### Bloggers entries about Blue Smoke

- Restaurant Week '08: Chase Away the Blues At Blue Smoke (*New York City's Hottest Restaurant Deals*)
- Summer Restaurant Week 2007 Pick: Blue Smoke (*New York City's Hottest Restaurant Deals*)
- Hill Country to Challenge Blue Smoke, RUB on Their Own Turf (*Grub Street*)
- Restaurant Week Picks: Winter 2008 (Part 2) (*New York City's Hottest Restaurant Deals*)
- The Big Apple BBQ Block Party Demands a Lot From Its Vendors (*Grub Street*)
- Meyer Makes a Move on Citi Field (*Grub Street*)
- Robbie Richter and Hill Country Part Ways (*Grub Street*)
- B.R. Guest's New BBQ: Will Wildwood Succeed? (*Grub Street*)
- Heroic Blogger Saves Burger Lovers From Winter of Discontent (*Grub Street*)
- Profiled: Midtown Lunch'er "Vanessa" (& Big Apple BBQ Fast Pass Giveaway!) (*Midtown Lunch*)
- PROFILE: Midtown Lunch'er "Chris" (*Midtown Lunch*)
- Daisy May's BBQ Cart... the best-scratch-that- ONLY BBQ in Midtown (*Midtown Lunch*)

### Details

Payment options: AMEX, Diners Club, Discover, MasterCard, Visa



### People sentiments

reasonable okay **spicy** inspired **hot** baked  
cheap habitual **overpriced** juicy hard grilled  
bizane famous impressed boiled impressive airy  
**amazing** consistent negative expensive superb  
efficient endless tiny **meaty** base Salty available  
genuine cute typical picky yummy

**good** popular outer tasteless

rude serious spacious unacceptable interesting  
**pretty** incredible obscene lukewarm low

comfortable **pricey** saucy boring OK stellar  
impeccable affordable disgusted **quality** sorry

unbelievable vinegary returning small cleared  
**delicious** barbecued excited refreshing usable

nasty traditional polite scrummy **exceptional**  
**fasty** ridiculous huge fond

thursday	11am - 1am
friday	11am - 1am
saturday	12pm - 1am
sunday	12pm - 11pm

# Related Terms

The image shows a search engine results page for the query "hubble". The search bar at the top contains the text "hubble" and a "Rechercher" button. Below the search bar, there are navigation tabs for "Web", "Images", "Vidéos", "Wikipédia", and "Plus". A dropdown menu is open under "Web", showing the search term "hubble". Below the search bar, there are "Recherches associées" (related searches) for "Hubble Space Telescope", "Telescope Spatial Hubble", and "Hubble Telescope". The search results are displayed in a list format. The first result is "HubbleSite -- Out of the ordinary...out of this world" with a snippet about Hubble discoveries. The second result is "Main Hubble Page" with a snippet about NASA releasing images from the refurbished Hubble. The third result is "The Hubble Heritage Project Website". On the right side of the page, there is a sidebar with filters for "Type de site" (Blog, Forum), "Multimédia" (Audio, Vidéo), "Type de fichier" (pdf), and "Termes associés" (Advanced Camera for..., Planetary Camera, SPACE SHUTTLE, Science Institute, Space Telescope Sci...). The "Termes associés" section is circled in red. A red arrow points from the search bar area to the "Termes associés" section. Another red arrow points from the "Termes associés" section to the search bar area. A third red arrow points from the "Termes associés" section to the search bar area.

Web Images Vidéos Wikipédia Plus >

hubble

Rechercher Recherche Avancée

Recherches associées : Hubble Space Telescope, Telescope Spatial Hubble, Hubble Telescope

493 774 pour hubble, Page 1 - Page suivante

Type de site :  
» Blog  
» Forum

Multimédia :  
» Audio  
» Vidéo

Type de fichier :  
» pdf

Termes associés :  
» Advanced Camera for ...  
» Planetary Camera  
» SPACE SHUTTLE  
» Science Institute  
» Space Telescope Sci...

Langues :

HubbleSite -- Out of the ordinary...out of this world  
HUBBLE DISCOVERIES hubble's astronomical breakthroughs. The science behind the scenery...and what it means. [...] Speaking of Hubble ... [...] follow Hubble on Twitter.  
hubblesite.org  
En cache - Raccourci

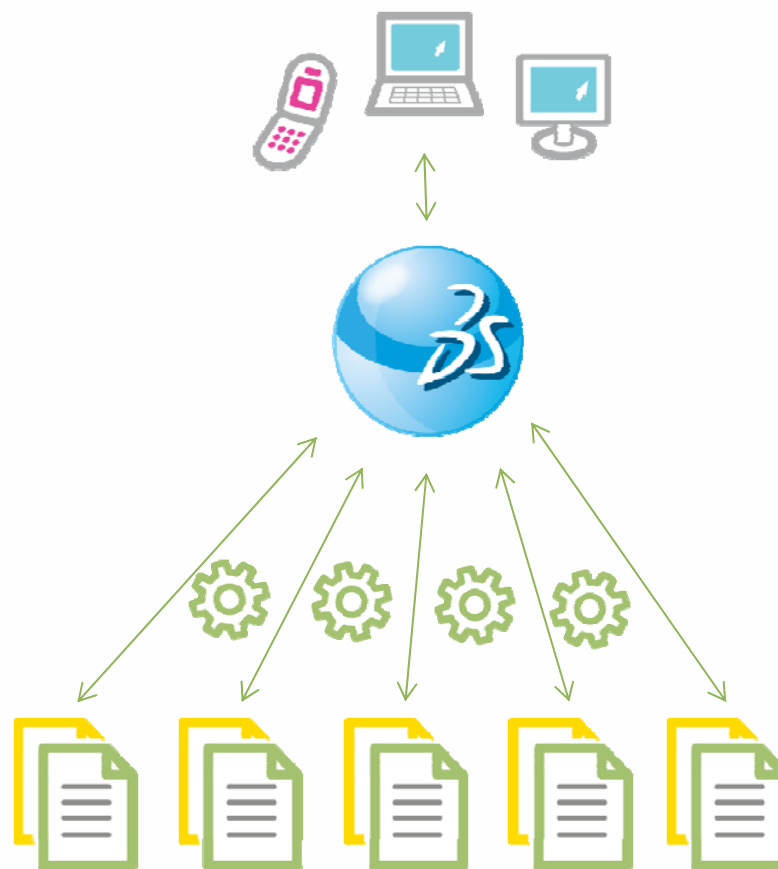
Main Hubble Page  
NASA Releases Images from Refurbished Hubble (09.09.2009) NASA's Hubble [...] + Read [...] View Hubble Program News Archive Images of Hubble New images of Hubble and astronauts working on it.  
hubble.nasa.gov  
En cache - Raccourci

The Hubble Heritage Project Website

# Create a unique data model

## 整合众多的离散的数据源

- › Index a large number of unstructured data sources  
检索数据
- › Intelligent analysis of data to extract relevant information  
智能分析萃取关联信息
- › Create a unique data model for all sources  
创建统一的数据模型
- › Refinement of content through generated meta-data  
通过海量数据提炼内容



apartment in san francisco Search Real Estate Search Everywhere Advanced search Specify the location

For Sale For Rent Vacation Roommates Commercials

Type for rent for sale vacation  
 Price \$1,000 \$1,200 \$1,400 \$1,600 \$1,800 \$2,000 \$3,000 \$4,000 \$10,000 To be discussed  
 Rooms 1 2 3 4 5 6 >7 Not specified  
 Sqft 150 ft² 400 ft² 500 ft² 600 ft² 800 ft² 1000 ft² 1200 ft² 1500 ft² > 1500 ft² Not specified  
 Bedrooms 1 2 3 4 5 6 >7 Not specified  
 Picture pictures only

☆ Apartment - for rent



San Francisco CA for rent apartment if everything is about location, this is the place. i'm offering a master bedroom with it's own full bathroom in a spacious well-lit flat right across the street from golden gate park. great coffee shops, bars, ...  
 craigslist - 2009/05/26  
 Similar searches apartment in san francisco : san francisco

☆ Apartment - for rent



San Francisco CA for rent apartment beautiful apartment in san francisco view full listing details & pictures 793 o'farrell st - san francisco, ca 94110 - \$1,450 / month, 1 baths  
 rentalsource - 2009/06/08

☆ 2 bedroom apartment - for rent



San Francisco CA for rent apartment 2 bedrooms balcony ...fine dining and nightlife of soma. these newly renovated san francisco apartments include granite countertops, pergo flooring, and balconies with ...view full listing details & pictures 1390 market st, 2x1 - san francisco, ca 94102 - \$3,880 / month, 2 beds, 2 baths  
 rentalsource - 2009/06/08

☆ 3 bedroom apartment - for rent



San Francisco CA for rent apartment 3 bedrooms pool newly renovated apartment homes at avalon at diamond heights! just a few minutes away you will find cultural attractions, ...full listing details & pictures 5285 diamond heights Blvd, 3 - san francisco, ca 94131 - \$2,999 / month, 3 beds, 2 baths ...  
 rentalsource - 2009/06/08

☆ 2 bedroom apartment - for rent



San Francisco CA for rent apartment 2 bedrooms recently updated 2br flat in duoce triangle, pets- ok! view full listing details & pictures 14th - san francisco, ca 94101 - \$2,100 / month  
 rentalsource - 2009/06/06

☆ Apartment - for rent



San Francisco CA for rent apartment balcony san francisco vacation rental - orange county vacation - backpage.com san francisco vacation rental - orange county vacation - backpage.com  
 backpage - 2009/06/03

Vacation Rentals

0:00 / 1:05

Latest Rentals

Vacation Villa	ID: 17925	Bathrooms: 3
		Sleeps: 14
		More Details...

Featured Rentals

Vacation Villa	ID: 17371	Bathrooms: 3
		Sleeps: 14
		More Details...

Vacation Rental Homes are the travel industry's best kept

4,376 classifieds

Exact 5mi 10mi 20mi 50mi State US



\$925

Email to a friend  
View on a map

\$1,450

Email to a friend  
View on a map

\$3,880

Email to a friend  
View on a map

\$2,999

Email to a friend  
View on a map

\$2,100

Email to a friend  
View on a map

Email to a friend  
View on a map

Map view Gallery view

Ads by Google

Local Apartment in

Find Apartment in Near You.  
The Web's Local Search Engine!  
www.local.com

Suite Inn

Golf, Wedding, Group Meetings And  
Summer Specials In Lake Tahoe Area.  
www.hamptonintruckee.com

San Francisco Apartment

Apartments, Roommates, Sublets  
Post & Search FREE U.S., CAN, U.K.  
www.Roomster.com



# Create a unique data model

## aggregating numerous unstructured data sources

**Yakaz** REAL ESTATE ADS > APARTMENT IN SAN FRANCISCO

apartment in san francisco Search Real Estate Search Everywhere Advanced search Specify the location

For Sale For Rent Vacation Roommates Commercials

Type [for rent](#) [for sale](#) [vacation](#)  
Price [\\$1,000](#) [\\$1,200](#) [\\$1,400](#) [\\$1,600](#) [\\$1,800](#) [\\$2,000](#) [\\$3,000](#) [\\$4,000](#) [\\$10,000](#) [To be discussed](#)  
Rooms [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [>7](#) [Not specified](#)  
Sqft [150 ft²](#) [400 ft²](#) [500 ft²](#) [600 ft²](#) [800 ft²](#) [1000 ft²](#) [1200 ft²](#) [1500 ft²](#) [> 1500 ft²](#) [Not specified](#)  
Bedrooms [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [>7](#) [Not specified](#)  
Picture [pictures only](#)

**4,376 classifieds**  
Exact [5mi](#) [10mi](#) [20mi](#) [50mi](#) [State](#) [US](#)

**\$925**  
Email to a friend View on a map

**Apartment - for rent**  
San Francisco CA for rent apartment if everything is about location, this is the place. i'm offering a master bedroom with it's own full bathroom in a spacious well-lit flat right across the street from golden gate park. great coffee shops, bars, ...  
craigslist - 2009/05/26  
Similar searches [apartment in san francisco](#): [san francisco](#)

Type [for rent](#) [for sale](#) [vacation](#)  
Price [\\$1,000](#) [\\$1,200](#) [\\$1,400](#) [\\$1,600](#) [\\$1,800](#) [\\$2,000](#) [\\$3,000](#) [\\$4,000](#) [\\$10,000](#) [To be discussed](#)  
Rooms [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [>7](#) [Not specified](#)  
Sqft [150 ft²](#) [400 ft²](#) [500 ft²](#) [600 ft²](#) [800 ft²](#) [1000 ft²](#) [1200 ft²](#) [1500 ft²](#) [> 1500 ft²](#) [Not specified](#)  
Bedrooms [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [>7](#) [Not specified](#)  
Picture [pictures only](#)

**2 bedroom apartment - for rent**  
San Francisco CA for rent apartment 2 bedrooms balcony ...  
newly renovated **san francisco apartments** include granite countertops, pergo flooring, and balconies with ...view full listing details & pictures 1390 market st, 2x1 - **san francisco, ca** 94102 - \$3,880 / month, 2 beds, 2 baths ...  
rentalsource - 2009/06/08

**3 bedroom apartment - for rent**  
San Francisco CA for rent apartment 3 bedrooms pool newly renovated **apartment** homes at avalon at diamond heights| just a few minutes away you will find cultural attractions, ...  
5285 diamond heights blvd, 3 - **san francisco, ca** 94131 - \$2,999 / month, 3 ...  
rentalsource - 2009/06/08

**2 bedroom apartment - for rent**  
San Francisco CA for rent apartment 2 bedrooms recently updated 2br fl ...  
view full listing details & pictures 14th - **san francisco, ca** 94101 - \$2,100 / m ...  
rentalsource - 2009/06/06

**Apartment - for rent**  
San Francisco CA for rent apartment balcony **san francisco** vacation rental ...  
backpage.com **san francisco** vacation rental - orange county vacation - back ...  
backpage - 2009/06/03

**\$2,999**  
Email to a friend

Map view | Gallery view

Ads by Google

**Local Apartment in**  
Find Apartment in Near You.  
The Web's Local Search Engine  
[www.local.com](#)

**Suite Inn**  
Golf, Wedding, Group Meetings And Summer Specials In Lake Tahoe Area.  
[www.hamptonintruckee.com](#)

**San Francisco Apartment**  
Apartments, Roommates, Sublets Post & Search FREE U.S ,CAN, U.K  
[www.Roomster.com](#)

Feature rich navigation  
Navigation is refined dynamically  
to unstructured information

MERGE

# Hybrid Search:

## Unify structured and unstructured data sources

The screenshot shows a search interface for hotels in Paris. At the top, a search bar contains the text "english speaking hotel paris" and a "JE TROUVE" button. Below the search bar, there are filters for "Localité" (paris), "Catégories" (hotels, restaurants, etc.), "Capacité", "Services", "Mode de paiement", and "Fourchette de prix". The search results are displayed in a list format, with each result showing the hotel name, address, phone number, and a brief description. Three results are visible: "Auberge Internationale des Jeunes", "Hôtel Danemark", and "Hôtel Perfect". Each result includes a "SMS" button, a link to "Ajouter à mes contacts", a link to "Signaler une erreur", and a link to "+ de détails".

**A unique search bar**

**Structured results from a Database**

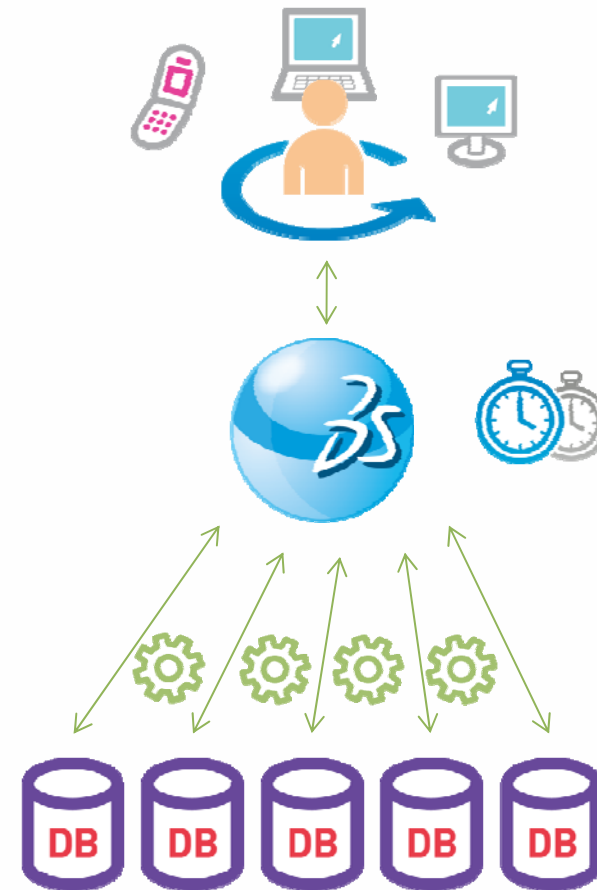
**Unstructured data from the Web**



FEDERATE / 360°

# Single query on multiple databases

- › Unify several Databases with a single index
- › Intelligent analysis of data to extract relevant information
- › Create a unique data model for all sources
- › A single point of access for all data



# Unify structured and unstructured data sources

**Restminer** Search  
Advanced Search

**Blue Smoke**

116 E 27th St, New York, NY 10016, USA  
Phone: (212) 447-7733  
Subway: 6 at 28th St.  
Website: <http://www.bluesmoke.com> - Book Online!  
Kind of food: Barbecue, American, American Traditional, Southern & Soul, American (Traditional)

Overview Comments Menu

### Overview

### Review

«forget what the 'cue quibblers sayx97blue smoke is an ingenious manhattan barbecue joint with a woody barroom full of club downstairs. true, some of the barbecue isn't there yet, but each visit shows improvement, as pit master kenny callan's salt-and-pepper beef ribs are terrific; so are sides and desserts, and as far as pit-smoked foie gras and salmon goes, after all.»

### Most viewed comment

«Went to Blue Smoke tonight. The waitstaff was friendly, even if the last sip of my beer was whisked away without so much as a word. The ribs, with a side of fries, mac & cheese and hush-puppies. The remoulade that comes with the hush-puppies makes this a bit of a mess to put it mildly; very tasty, but for the hint of chemically Velvita-esque after-taste. The fries - excellent: they arrived fresh, hot and with the genuine taste of potato without t... More >>>

### Bloggers entries about Blue Smoke

- Restaurant Week '08: Chase Away the Blues At Blue Smoke (*New York City's Hottest Restaurant Deals*)
- Summer Restaurant Week 2007 Pick: Blue Smoke (*New York City's Hottest Restaurant Deals*)
- Hill Country to Challenge Blue Smoke, RUB on Their Own Turf (*Grub Street*)
- Restaurant Week Picks: Winter 2008 (Part 2) (*New York City's Hottest Restaurant Deals*)
- The Big Apple BBQ Block Party Demands a Lot From Its Vendors (*Grub Street*)
- Meyer Makes a Move on Citi Field (*Grub Street*)
- Robbie Richter and Hill Country Part Ways (*Grub Street*)
- B.R. Guest's New BBQ: Will Wildwood Succeed? (*Grub Street*)
- Heroic Blogger Saves Burger Lovers From Winter of Discontent (*Grub Street*)
- Profiled: Midtown Lunch'er "Vanessa" (& Big Apple BBQ Fast Pass Giveaway!) (*Midtown Lunch*)
- PROFILE: Midtown Lunch'er "Chris" (*Midtown Lunch*)
- Daisy May's BBQ Cart... the best-scratch that- ONLY BBQ in Midtown (*Midtown Lunch*)

### Details

Payment options: AMEX, Diners Club, Discover, MasterCard, Visa

**Structured results from a Database**

**Unstructured data from the Web**

**Opening Hours**

monday	11:30am - 11pm
tuesday	11:30am - 11pm
wednesday	11:30am - 11pm
thursday	11am - 1am
friday	11am - 1am
saturday	12pm - 1am
sunday	12pm - 11pm

**People sentiments**

reasonable okay spicy inspired hot baked  
cheap habitual overpriced juicy hard grilled  
bizare famous impressed boiled impressive airy  
**amazing** consistent negative expensive superb  
efficient endless tiny meaty base salty available  
genuine cute typical picky yummy

**good** popular outer tasteless  
rude serious spacious unacceptable interesting  
**pretty** incredible obscene lukewarm low  
comfortable pricey saucy boring OK stellar  
impeccable affordable disgusted **quality** sorry  
unbelievable vinegary returning small cleared  
**delicious** barbecued excited refreshing usable  
nasty traditional polite scrawny exceptional  
**tasty** ridiculous huge fond

# Unify structured and unstructured data sources



## Similar Matches

- [Blue Smoke](#)
- [Don's Bogam BBQ & Wine Bar](#)
- [Wildwood Barbeque](#)
- [Duke's](#)
- [Live Bait](#)
- [Duke's](#)
- [Brother Jimmy's](#)
- [Rodeo Bar](#)
- [Best Wingers Express](#)
- [Waterfront Ale House](#)
- [BBQ Pit](#)
- [Jazz Standard](#)
- [More similar restaurants >>](#)

Overview

## Overview

## Review

«forget what the club downstairs, salt-and-pepper after all.»

## Most viewed

«Went to Blue Smoke tonight. The waitstaff was friendly, even if the last sip of my beer was whisked away without so much as an "Are you finished with that?" Had the baby back ribs, with a side of fries, mac & cheese and hush-puppies. The remoulade that comes with the hush-puppies makes this dish a real specialty. The mac & cheese was creamy, to put it mildly; very tasty, but for the hint of chemically Velvita-esque after-taste. The fries - excellent: they arrived fresh, hot,

## Bloggers en

- Restaurant V
- Summer Res
- Hill Country t
- Restaurant V
- The Big Apple
- Meyer Makes a Move on Citi Field (*Grub Str*)
- Robbie Richter and Hill Country Part Ways
- B.R. Guest's New BBQ: Will Wildwood Succ
- Heroic Blogger Saves Burger Lovers From
- Profiled: Midtown Lunch'er "Vanessa" (& Bi
- PROFILE: Midtown Lunch'er "Chris" (*Midto*)
- Daisy May's BBQ Cart... the best-scratch th

## Details

Payment options: AMEX, Diners Club, Discover

## Blue Smoke

\$\$\$ Barbecue, Southern & Soul

116 E 27th St  
New York 10016  
(Btwn Lexington & Park Ave)

[Show Map](#) | [Subway Directions](#)

Phone: (212) 447-7733  
Fax: (212) 576-2561

[Make a Reservation Online](#)

REVIEWS from nymag.com

USER RATINGS (Based on 157 reviews)		Rate and Review this restaurant	
Food	★★★★☆	Value	★★★★☆
Service	★★★★☆	Atmosphere	★★★★☆

## OTHER RESTAURANT INFO

Website: [www.bluesmoke.com](http://www.bluesmoke.com)

Notes: Take Out  
Catering  
Private Parties  
Major Credit Cards

Hours: Sun-Mon: 11:30am-10pm  
Tue-Thu: 11:30am-11pm  
Fri-Sat: 11:30am-1am

Serves: Lunch, Dinner

Features: Kid-friendly, Open Late, Outdoor Dining, Prix Fixe, Trendy, Live Entertainment, Gluten Free Items, Online Reservations

## USER REVIEWS

Posted by photobean on 02/25/2006

### Great Mac and cheese!

This place was pretty packed when we showed up so it was a good thing that we had reservations. My gf somehow coerced me to try the okra stew which to my surprise was quite tasty. Although our entrees were good, (rib sampler and beef brisket), the winning dish of the night was definitely the mac and cheese. It was a baked casserole of cheesy goodness. I cant wait to go back to Blue Smoke for that alone! Service was friendly, but sometimes slow because the restaurant was so busy. Prices were on the moderate to high side.

Posted by Ishilin on 02/19/2006

### "noth napkin" feel, but best BBQ?

Went to Blue Smoke tonight. The waitstaff was friendly, even if the last sip of my beer was whisked away without so much as an "Are you finished with that?" Had the baby back ribs, with a side of fries, mac & cheese and hush-puppies. The remoulade that comes with the hush-puppies makes this dish a real specialty. The mac & cheese was creamy, to put it mildly; very tasty, but for the hint of chemically Velvita-esque after-taste. The fries - excellent: they arrived fresh, hot,

On Screen Menu

Printable Menu (PDF)

- + Add to My MenuPages
- ✉ Email this page
- ! Report menu problems
- ? Menus Not Displaying?

ADVERTISING

REPLAY

Enter to Win a party at [macerationisnatural.com](http://macerationisnatural.com)

BELVEDERE VODKA

## NEWSLETTERS

Keep up with all of New York City's restaurant news, menus, openings, closings, and food events by subscribing to our free weekly newsletter.

Your email address

SIGN UP

## Search

Advanced Search

Blue Smoke  
116 E 27th St, New York, NY 10016

## people sentiments

okay spicy inspired hot baked  
overpriced juicy hard grilled  
impressed boiled impressive airy

Extraction of relevant content to enrich existing structured data

thursday	11	impeccable affordable disgusted quality sorry
friday	11	unbelievable vinegary returning Small cleared
saturday	12	delicious barbecued excited refreshing usable
sunday	12pm - 11pm	nasty traditional polite sarawny exceptional
		tasty ridiculous huge fond

# OPERATIONAL REPORTING

# Facets = Semantic Dimension

1

The screenshot shows the 'Categorization' configuration page in Exalead. It features a table of 'AXES LIST' with columns for the axis name and 'rename'/'delete' actions. The 'Raison\_Sociale' axis is highlighted. Below this is the 'Fields configuration' section, which includes a list of 'SQL FIELDS' and a detailed configuration for the 'Raison\_Sociale' field. The 'CATEGORIZATION ROOT' is set to 'Societe'.

AXES LIST	rename	delete
Attributes		
Commercial	rename	delete
Licence	rename	delete
Prestation	rename	delete
Reglement	rename	delete
Societe	rename	delete
Source		

SQL FIELDS	delete
RefFacture (string_k)	delete
RefCommande (string)	delete
Raison_Sociale (string)	delete
Type_Licence (string)	delete
Type_Prestation (string)	delete
Nb_Jour_prestation (double)	delete
Date_de_valeur (datetime)	delete
Date_de_Paiement (datetime)	delete
Paye (string)	delete
RaisonNonPaiement (string)	delete
Commercial (string)	delete
Adresse (string)	delete
URL (string)	delete
Montant (double)	delete

Field: Raison_Sociale	
PRIMARY KEY	<input type="checkbox"/>
USE AS TIMESTAMP	<input type="checkbox"/>
REF.	\$(3)
ACCUMULATE	<input type="checkbox"/>
TITLE	<input type="checkbox"/>
URL	<input type="checkbox"/>
THUMBNAIL URL	<input type="checkbox"/>
INDEX CONTENT	<input checked="" type="checkbox"/>
TEXT SCORE	Normal text
HTML CONTENT	<input type="checkbox"/>
DISABLE WORD FILTERS	<input type="checkbox"/>
DISPLAY	<input checked="" type="checkbox"/>
DISPLAY NAME	Raison_Sociale
DISPLAY LENGTH IN RESULTS	0
ADD TO SUMMARY	<input checked="" type="checkbox"/>
DATE	<input type="checkbox"/>
SIZE	<input type="checkbox"/>
LANGUAGE	<input type="checkbox"/>
SECURITY TOKEN	<input type="checkbox"/>
DISPLAY IN PREVIEW	<input checked="" type="checkbox"/>
CATEGORIZATION ROOT	Societe
FIELD	<input type="checkbox"/>
FIELD NAME	raison_sociale
ENUM FIELD	<input type="checkbox"/>
FILE	<input type="checkbox"/>
FILE ROOT	

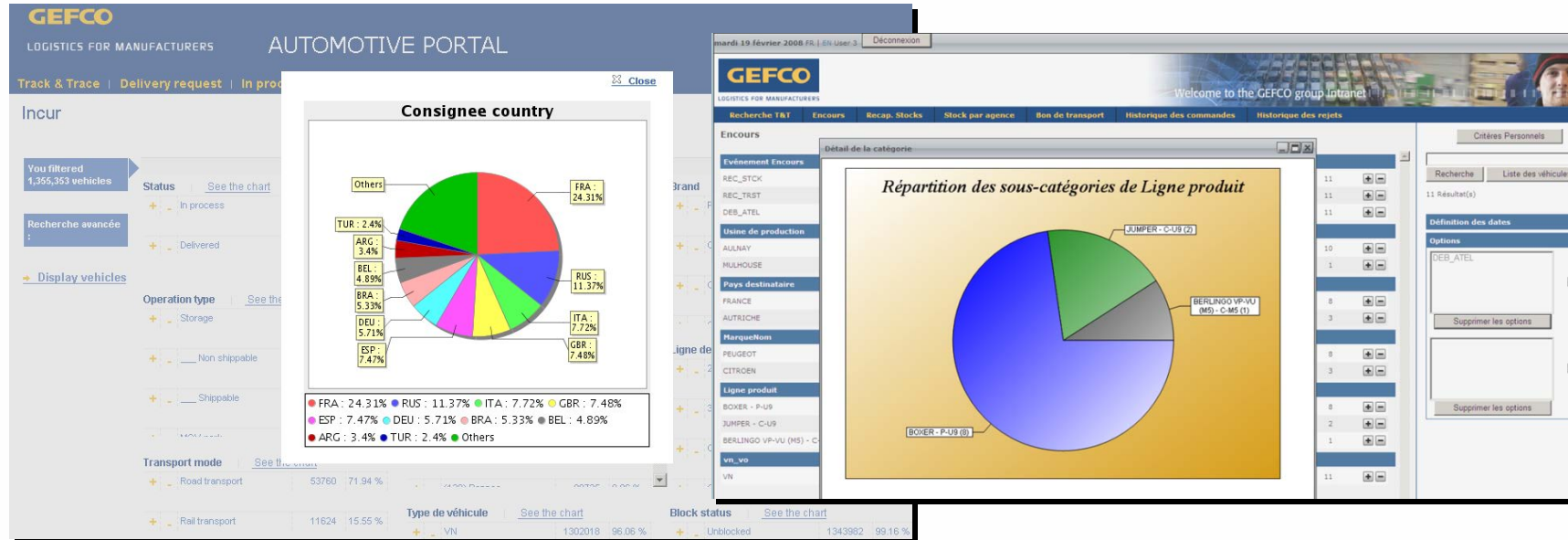
2

The screenshot shows the 'Refine your search' sidebar in Exalead. It displays various facets with their respective counts and 'exclude' links. The facets are: Date (58), Societe (11), Reglement (48), Commercial (16), Licence (7), and Prestation (13). A search input field and a 'Go' button are at the bottom.

Facet	Count	Exclude
Date	58	exclude
June 2008		exclude
July 2008		exclude
Societe	11	exclude
Cab Gerini	11	exclude
Auchon	11	exclude
Nara Fr	6	exclude
Mind4all Gmbh	5	exclude
Aras Creation	5	exclude
KnowledgeCl	3	exclude
Sacrosoft US	3	exclude
Nara Spain	3	exclude
CNP Paris	2	exclude
FRA Systems	2	exclude
Reglement	48	exclude
Oui	48	exclude
Non	10	exclude
Commercial	16	exclude
Francois Martin	16	exclude
Jean-Pierre Durand	12	exclude
Helene France	11	exclude
Christine Fontaine	10	exclude
Jean-Luc Dupont	9	exclude
Licence	7	exclude
Deluxe	7	exclude
Standard	6	exclude
Basic	5	exclude
Prestation	13	exclude
Developpement	13	exclude
Formation	12	exclude
Deploiement	9	exclude
Configuration	7	exclude

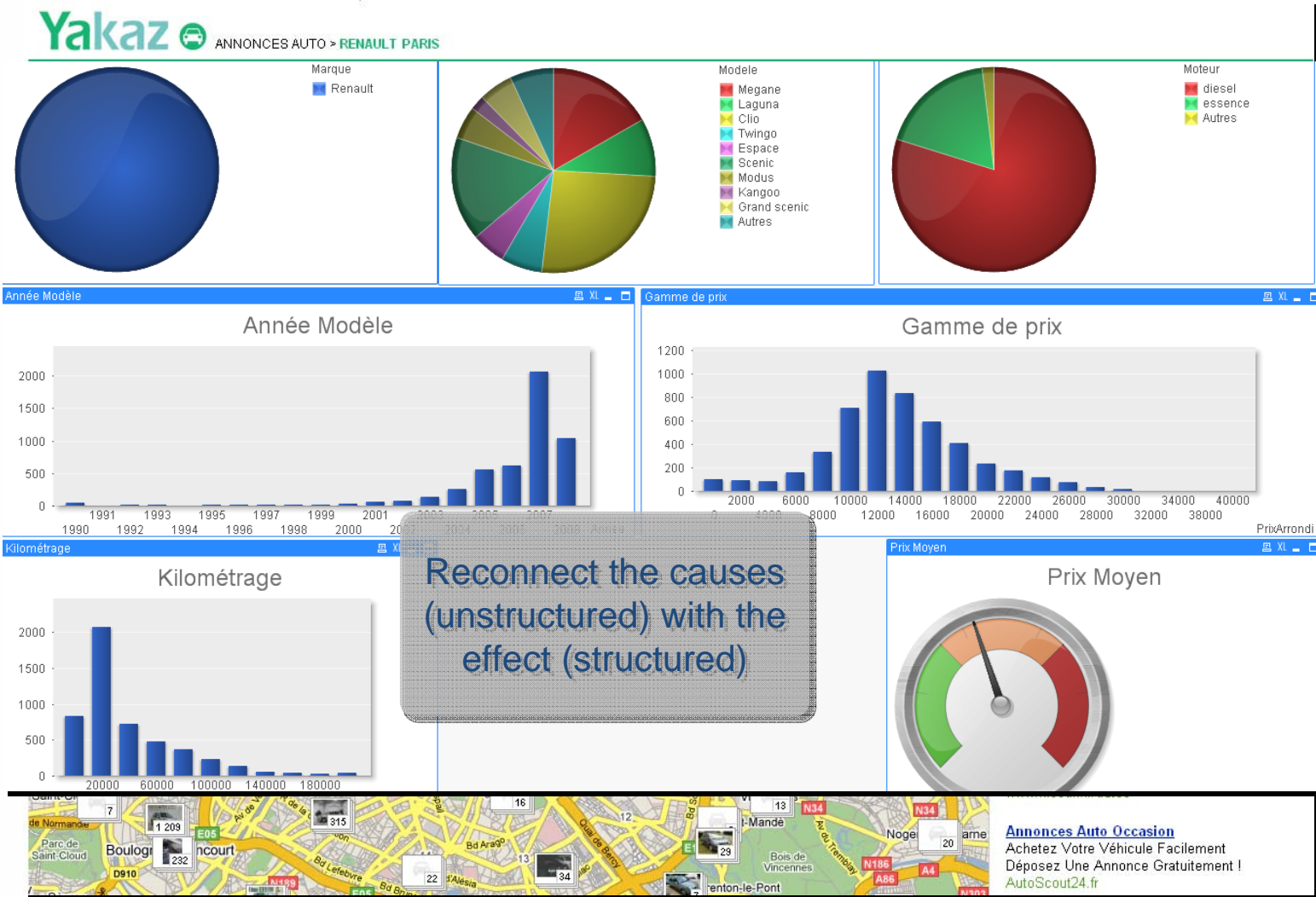
3

# Provide Interactive and real time operational tools for operational arbitrage



Enable Real Time reporting  
on ANY question that could  
NOT BE ANTICIPATED

# Build decisional tools on unstructured information





## Use Cases

## Description

- B2C 旅游门户网站
- Automatic aggregated content
- Exalead 360 + Business Console modules
- Aggregation of :
  - Online news content
  - Hotel directory
  - Entertainment directory
  - Railway station location
- Semantic analysis :
  - Type “Corrida” or “Beaujolais” and the system auto-discover entertainment or railways stations co-cited in the news.

## Access

- <http://hexago.labs.exalead.com/>
- 1<sup>st</sup> login / password (apache) : exalead / exascript

The screenshot shows the Hexago search engine interface. At the top, the search term 'corrida' is entered in the search bar. Below the search bar, there are navigation links for 'Historique', 'recherche "mont blanc"', 'Recherche "beaujolais"', 'Recherche "muse en concert à paris"', and 'Recherche "corrida"'. The main content area is divided into several sections:

- Magazine:** A section titled 'Nîmes et la Camargue, L'esprit gauche' with a sub-heading 'La feria de Pâques dans les arènes d'Arles rend hommage à la corrida et à la tauromachie, véritable tradition qui encore enseignée aujourd'hui à l'école taureau. Autre lieu, autre ambiance, la Petite Camargue offre un beau patrimoine médiéval avec Agues-Mortes, des grandes plages de sable fin pour lézarder et des marais propices aux rencontres de taureaux. Petit village de pêcheur, le Grau-du-Roi a longtemps été éclipsé par Agues-Mortes, le port royal. En savoir plus c?' and a link 'voir les 1 résultats'.
- Hébergement:** A section titled 'Mercure Bayonne Centre 3' with a sub-heading 'Hôtel de 109 chambres climatisées, situé sur les rives de la Nive, à 300 m du centre ville de Bayonne. A votre disposition, restaurant, bar, piscine, terrasse, parking privé fermé. Pour vos réunions, 7 salles pouvant accueillir jusqu'à 200 personnes.' and a link 'voir les 1 résultats'.
- Activités et spectacles:** A section titled 'Orchestre national Bordeaux Aquitaine, festival musique en Côte basque' with a sub-heading 'L'un des plus anciens orchestres de France ! L'Orchestre national de Bordeaux Aquitaine (ONBA), qui naquit à l'Opéra national de Bordeaux, est l'un des orchestres les plus renommés de France. Le répertoire varié des 120 musiciens classiques qui le composent s'étend de la musique baroque aux musiques contemporaines. Une musique variée et un public sans âge pour l'écouter...' and a link 'voir les 833 résultats'.
- Gares:** A section titled 'BAYONNE', 'BIARRITZ', and 'ST JEAN DE LUZ CIBOURE' with sub-headings 'Réservation' and 'Gares en mouvement'.

On the right side, there is a map of France with a location marker in the south. Below the map, there are two sections:

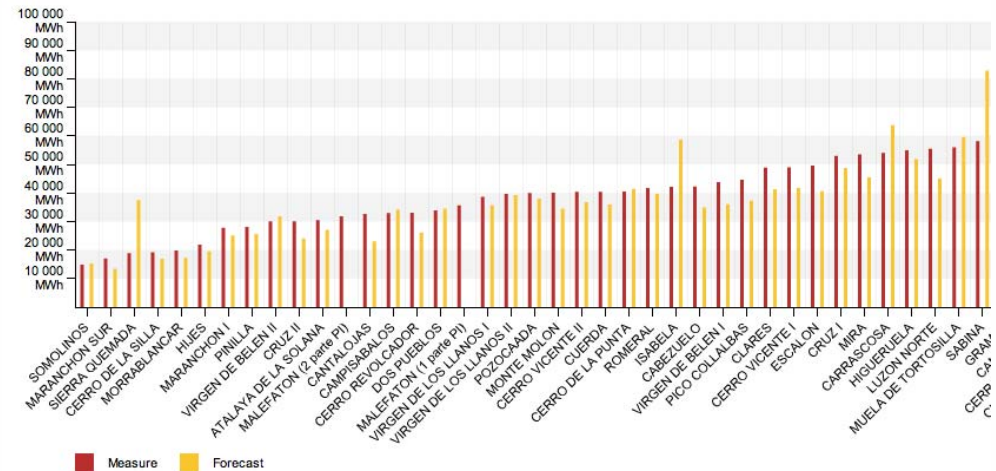
- Affinage par départements et villes:** A section titled 'GeoAdmin' with a list of regions and their counts: aquitaine (485), dordogne (73), gironde (271), landes (52), lot-et-garonne (10), pyrenees-atlantiques (96), languedoc-roussillon (350), aude (26), gard (61), herault (171), lozere (8), and pyrenees-orientales (72).
- Hotels:** A section titled 'Price' with a list: 100-150 (1).
- Type d'Événements:** A section titled 'Type d'Événements' with a list: Arts vivants (214), Littérature (1), Spectacle (213), Expositions & visites (252), Exposition (43), Fête et carnaval (1), Marché (1), Rassemblement (1), Tourisme (206), Spectacles musicaux (367), Concert (246), Fête et carnaval (9), and Spectacle (32).

## Description

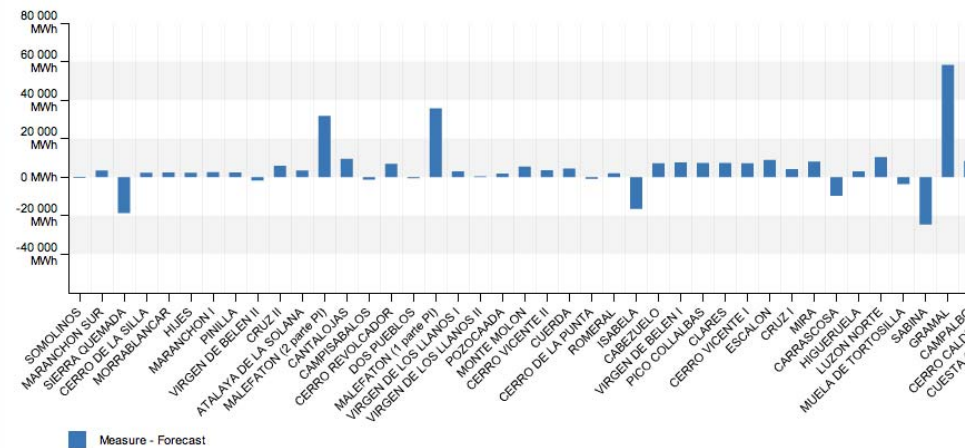
- Wind power analysis 风力分析
- Real time analysis of production / forecast
- Ad'hoc reporting on
  - Geographic location (country / region / ...)
  - Time frame
  - Production
  - Forecast
- Application can be valuable for :
  - Operator : production analysis
  - Energy broker
  - Management

## Access

- <http://demo.exalead.com/pdemo/windpower/>
- 1<sup>st</sup> login / password (apache) : enterprise / search

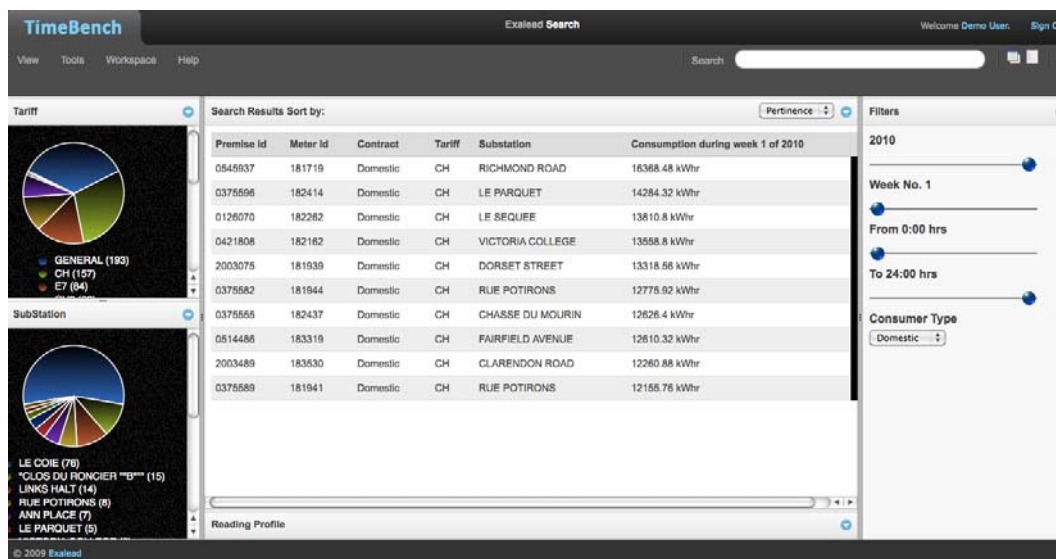


Difference Measurement-Forecast



## Description

- Real time electricity consumption  
实时电力消耗
- Reporting on
  - Geographic location  
(country / region / ...)
  - Time frame (day / week / month / ...)
  - Production
  - Consumption
- Application can be valuable for :
  - Operator : production analysis
  - Energy broker
  - Management



## Access

- <http://demo-uk.exalead.com/pdemo/je/mocha/>
- 1<sup>st</sup> login / password (apache) : enterprise / search

## Description

- Agile MDM project-灵活的MDM项目  
MDM全写Master Data Management, 翻译为主数据管理或元数据管理, 它的含义是, 你在完成这项任务的时候, 必须要有灵活的方式和灵活的技术
- Production (PLM) & tooling cost (ERP) conciliation
- Matrix one PLM & SAP ERP datas
- Time to delivery : months vs years project
- Reporting on :
  - Production KPI ( Key Performance Indicators 关键业绩指标)
  - Costs
- Application can be valuable for :
  - Finance : cost reduction 节约成本
  - Production plan : optimization 优化生产
  - Production : re-using existing parts 零件重用
  - Data quality process : PLM nomenclature 数据质量处理

## Access

- <http://demo.exalead.com/pdemo/autopart/>
- 1<sup>st</sup> login / password (apache) : enterprise / search

Corporate / tree:Top

Total : 119 / 119

Nbre de résultats : 10

Item	Année	Demandeur	MontantTotal	Projet	WBS Element	Client	Emetteur	Nature de coût	Type d'élément	Date	Code Programme	IdOutillage	Object number	Veh	Title
1. L319/L320 CHUTE CHANNEL - injection overmoulding tool	2008	C. Dumas	124417,19	ID0018	ID0018.TH1251.FM42372.FC	FORD	M. Dutertre	60520100	0311	2009/11/06-09:40:31	I0620	42372	PRO0030837	75	L319/L320 CHUTE CHANNEL - injection overmoulding tool
2. L319/L320 CHUTE CHANNEL - injection overmoulding tool	2008	C. Dumas	114090,27	ID0018	ID0018.TH1251.FM42373.FC	FORD	M. Dutertre	60520100	0311	2009/11/06-09:40:32	I0620	42373	PRO0030838	75	L319/L320 CHUTE CHANNEL - injection overmoulding tool
3. Topper pad LHD	2008	M. Dutertre	58615,25	ID0018	ID0018.TH1251.FM41950.FC	FORD	M. Dutertre	41950	0311	2009/11/06-09:40:19	I0620		PRO0028130	75	Topper pad LHD
4. Bandeau A+C-N2 sans diffuseur de parfum D4D	2008	B. Debeaumont	54219	ID0064		PSA	B. Debeaumont	42473			I0480		PRO0029551		

Corporate / tree:Top

Total : 1.217 / 1.217

Nbre de résultats : 10

Item	Description	Id	Project	Type	Emetteur	Name Galileo	Date	ObjectType
1. HARNESS PLATE - TC 320	HARNESS PLATE - TC 320	18045.19359.17102.9486	ID0018	Part	L. Renaud	1002133X	2009/05/12-11:25:24	ECM Part
2. HARNESS PLATE	HARNESS PLATE	18045.19359.17246.55238	ID0018	Part	L. Renaud	1002134X	2009/05/12-11:25:24	ECM Part
3. IPOD TRAY	IPOD TRAY	18045.19359.59000.23043	ID0018	Part	C. Duguine	1003242X	2009/05/12-12:17:08	ECM Part
4. AXLE IN POM	AXLE IN POM	18045.19359.8100.17118	ID0018	Part	C. Duguine	1003399X	2009/05/12-12:17:21	ECM Part
5. ASHTRAY SMOKER WITH PLASTIC LID	ASHTRAY SMOKER WITH PLASTIC LID	18045.19359.19847.36896			L. Renaud	1003791X		ECM Part

## Description

- 360° customer relationship
- Aggregation of :
  - CRM information
  - Accounts (saving account, life insurance, ...)
  - Administrative and legal information
- Reporting on :
  - Agenda / activity
  - Customers behaviors
- Application can be valuable for :
  - Call center : 360° overview of customer
  - Sales representative : Upsale facilities
  - Management : Performance analysis
  - Marketing : automatic mailing campaign

## Access

- <http://demo.exalead.com/private/poc360/>
- 1<sup>st</sup> login / password (apache) : enterprise / search

The screenshot shows the 'Mon Accueil' (My Home) dashboard. It features a navigation menu on the left with categories like 'Mes applications', 'Marketing', and 'Archives'. The main area is divided into 'Mon agenda' (My calendar) showing a weekly view for Tuesday, Mar 9, 2010, with a list of appointments. To the right, there are two tables: 'Mes actions' (My actions) and 'Mes alertes' (My alerts), both listing tasks with priority, due dates, and client names.

The screenshot shows the 'Client' profile page. It displays personal information such as name (Monsieur MARTIN), address, phone number, and email. Below this, there is a 'Produits' (Products) section with a table listing various accounts and insurance policies, including their numbers, opening dates, and current balances. At the bottom, there is a 'Contacts Clientèle' (Client Contacts) section with a list of communication events.

## Description

- Agile MDM project
- Part catalogue normalization & enrichment  
零件目录标准化和简化
- Aggregation of content from ERP & Directories
- ERP (SAP) & Directories (online directories)
- Aggregation of :
  - Part number
  - Technical description (size, length)
  - Description
- Semantic analysis :
  - Merging information from SAP and vertical directories on parts
  - Similar product feature bases on technical description

## Access

- <http://southpark.exalead.com/mro/>
- 1<sup>st</sup> login / password (apache) : enterprise / search

**exalead** **tape** Search

Résultats 1 - 10 sur environ 842 pour **tape**

Tri par: **Relevance**

**TAPE,PRESSURE SENSITIVE ADHESIVE**

View similar parts  
Part number: 810  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE  
property: ADHESIVE LOCATION ONE SIDE,COLOR/COLORLESS OVERALL,CORE NOMINAL DIAMETER 0.3000 INCHES,CORE NOMINAL DIAMETER 1.000 INCHES,GENERAL CHARACTERISTICS ITEM DESCRIPTION,PLASTIC MATERIAL,CLEAR OVERALL,72YDS LONG,3 IN CORE,0.0035 IN TK,0.79 IN WIDE,MATERIAL,PLASTIC OVERALL,MATERIAL TRANSPARENCY,CLEAR,NOMINAL LENGTH 172.0 YARDS,NOMINAL LENGTH 136.0 YARDS,NOMINAL OVERALL THICKNESS 0.0025 INCHES,NOMINAL WIDTH 0.750 INCHES,NOMINAL WIDTH 1.000 INCHES,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PLAS ARTICLES,MIN30510 TRANS WATERPROOF,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE ADHESIVE,72 YD,SPECIAL FEATURE,SCID A-A-113 TYPE 2,CLASS A,SURFACE LUSTER,MATTE,SURFACE LUSTER,LUSTERLESS,TEMP RATING,NOT RATED  
suppr: 3044  
Show web text

**TAPE,INSULATION,ELECTRICAL**

View similar parts  
Part number: 05400706132  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 33478 - TAPE,INSULATION,ELECTRICAL  
property: COLOR,BLACK OVERALL,DIELECTRIC MATERIAL,VOLTAGE RATING PER MIL,THICKNESS IN VOLTS,NOT RATED,DIELECTRIC MATERIAL,VOLTAGE RATING PER MILLIMETER,THICKNESS IN MIL,VOLTS,NOT RATED,DIELECTRIC WITHSTANDING VOLTAGE IN VOLTS,NOT RATED,MATERIAL,PLASTIC POLYVINYL CHLORIDE BASIC,MATERIAL DOCUMENT AND CLASSIFICATION,ASTM D-1000-62A,ASSN STD ALL MATERIAL,RESPONSES BASIC,MINIMUM TENSILE STRENGTH 116 POUNDS PER SQUARE INCH,NOMINAL LENGTH 136.0 YARDS,NOMINAL WIDTH 1.000 INCHES,TEMP RATING,0.0 DEG FAHRENHEIT,MINIMUM,TEMP RATING,72.0 DEG FAHRENHEIT,MAXIMUM  
suppr: 14429  
Show web text

**TAPE,PRESSURE SENSITIVE ADHESIVE**

View similar parts  
Part number: 4028  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE  
property: ADHESIVE LOCATION IN BOTH SIDES,COLOR/YELLOW OVERALL,CORE NOMINAL DIAMETER 0.300 INCHES,ENVIRONMENTAL PROTECTION,COLD RESISTANT,ENVIRONMENTAL PROTECTION,HEAT RESISTANT,FEATURES PROVIDED,LINER,MATERIAL,PLASTIC OVERALL,MATERIAL TRANSPARENCY,CLEAR,NOMINAL LENGTH 136.0 YARDS,NOMINAL OVERALL THICKNESS 0.0025 INCHES,NOMINAL

**Préciser la recherche**

**MRO\_Category**

- 31 - Manufacturing Components and Supplies (266)
- 3120 - Adhesives and sealants (30)
- 3116 - Gaskets and seals (3)
- 3110 - Hardware (1)
- 3115 - Grinding and polishing and smoothing materials (1)
- 44 - Office Equipment and Accessories and Supplies (85)
- 4412 - Office supplies (72)
- 4410 - Office machines and their supplies and accessories (12)
- 50 - Published Products (60)
- 5512 - Signage and accessories (6)

**Class**

- 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE (125)
- 23003 - TAPE,EMBOSSING (30)
- 23478 - TAPE,INSULATION,ELECTRICAL (4)
- 16849 - TAPE MEASURING (42)
- 11214 - TAPE,GUMMED (27)
- 32827 - TAPE,DUCT (26)
- 31196 - LABEL,TAPE,PRESSURE SENSITIVE ADHESIVE (25)
- 60793 - TAPE,FSH (24)
- 10589 - SAFETY CAN (18)
- 28554 - TAPE,REFLECTIVE (16)

**Normalization**

- Normalized data only (31)
- Raw text (24)

**exalead** **similar:3044** Search

Résultats 1 - 10 sur environ 10 pour **similar:3044**

Tri par: **Relevance**

**TAPE,PRESSURE SENSITIVE ADHESIVE**

Similarity: 100%  
Part number: 810  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE  
property: ADHESIVE LOCATION ONE SIDE,COLOR/COLORLESS OVERALL,CORE NOMINAL DIAMETER 0.3000 INCHES,CORE NOMINAL DIAMETER 1.000 INCHES,GENERAL CHARACTERISTICS ITEM DESCRIPTION,PLASTIC MATERIAL,CLEAR OVERALL,72YDS LONG,3 IN CORE,0.0035 IN TK,0.79 IN WIDE,MATERIAL,PLASTIC OVERALL,MATERIAL TRANSPARENCY,CLEAR,NOMINAL LENGTH 172.0 YARDS,NOMINAL LENGTH 136.0 YARDS,NOMINAL OVERALL THICKNESS 0.0025 INCHES,NOMINAL WIDTH 0.750 INCHES,NOMINAL WIDTH 1.000 INCHES,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PLAS ARTICLES,MIN30510 TRANS WATERPROOF,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE ADHESIVE,72 YD,SPECIAL FEATURE,SCID A-A-113 TYPE 2,CLASS A,SURFACE LUSTER,MATTE,SURFACE LUSTER,LUSTERLESS,TEMP RATING,NOT RATED  
suppr: 3044  
Show web text

**TAPE,PRESSURE SENSITIVE ADHESIVE**

Similarity: 100%  
Part number: 810  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE  
property: ADHESIVE LOCATION ONE SIDE,COLOR/COLORLESS OVERALL,CORE NOMINAL DIAMETER 0.3000 INCHES,CORE NOMINAL DIAMETER 1.000 INCHES,GENERAL CHARACTERISTICS ITEM DESCRIPTION,PLASTIC MATERIAL,CLEAR OVERALL,72YDS LONG,3 IN CORE,0.0035 IN TK,0.79 IN WIDE,MATERIAL,PLASTIC OVERALL,MATERIAL TRANSPARENCY,CLEAR,NOMINAL LENGTH 172.0 YARDS,NOMINAL LENGTH 136.0 YARDS,NOMINAL OVERALL THICKNESS 0.0025 INCHES,NOMINAL WIDTH 0.750 INCHES,NOMINAL WIDTH 1.000 INCHES,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE SENSITIVE,PLAS ARTICLES,MIN30510 TRANS WATERPROOF,PART NAME ASSIGNED BY CONTROLLING AGENCY,TAPE,PRESSURE ADHESIVE,72 YD,SPECIAL FEATURE,SCID A-A-113 TYPE 2,CLASS A,SURFACE LUSTER,MATTE,SURFACE LUSTER,LUSTERLESS,TEMP RATING,NOT RATED  
suppr: 3044  
Show web text

**TAPE,PRESSURE SENSITIVE ADHESIVE**

Similarity: 100%  
Part number: 810  
manufacturer: MINNESOTA MINING MANUFACTURING  
class: 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE

**Préciser la recherche**

**MRO\_Category**

- 31 - Manufacturing Components and Supplies (170)
- 3120 - Adhesives and sealants (30)

**Class**

- 11212 - TAPE,PRESSURE SENSITIVE ADHESIVE (125)

**Normalization**

- Normalized data only (8)
- Normalized data and raw text (1)

**Manufacturer**

- MINNESOTA MINING MANUFACTURING (125)

**Properties**

**SPECIAL FEATURES**

--- Select a value ---

**MATERIAL**

--- Select a value ---

**NOMINAL WIDTH**

--- Select a value ---

**COLOR**

--- Select a value ---

**CORE NOMINAL DIAMETER**

--- Select a value ---

**NOMINAL LENGTH**

--- Select a value ---

**NOMINAL OVERALL THICKNESS**

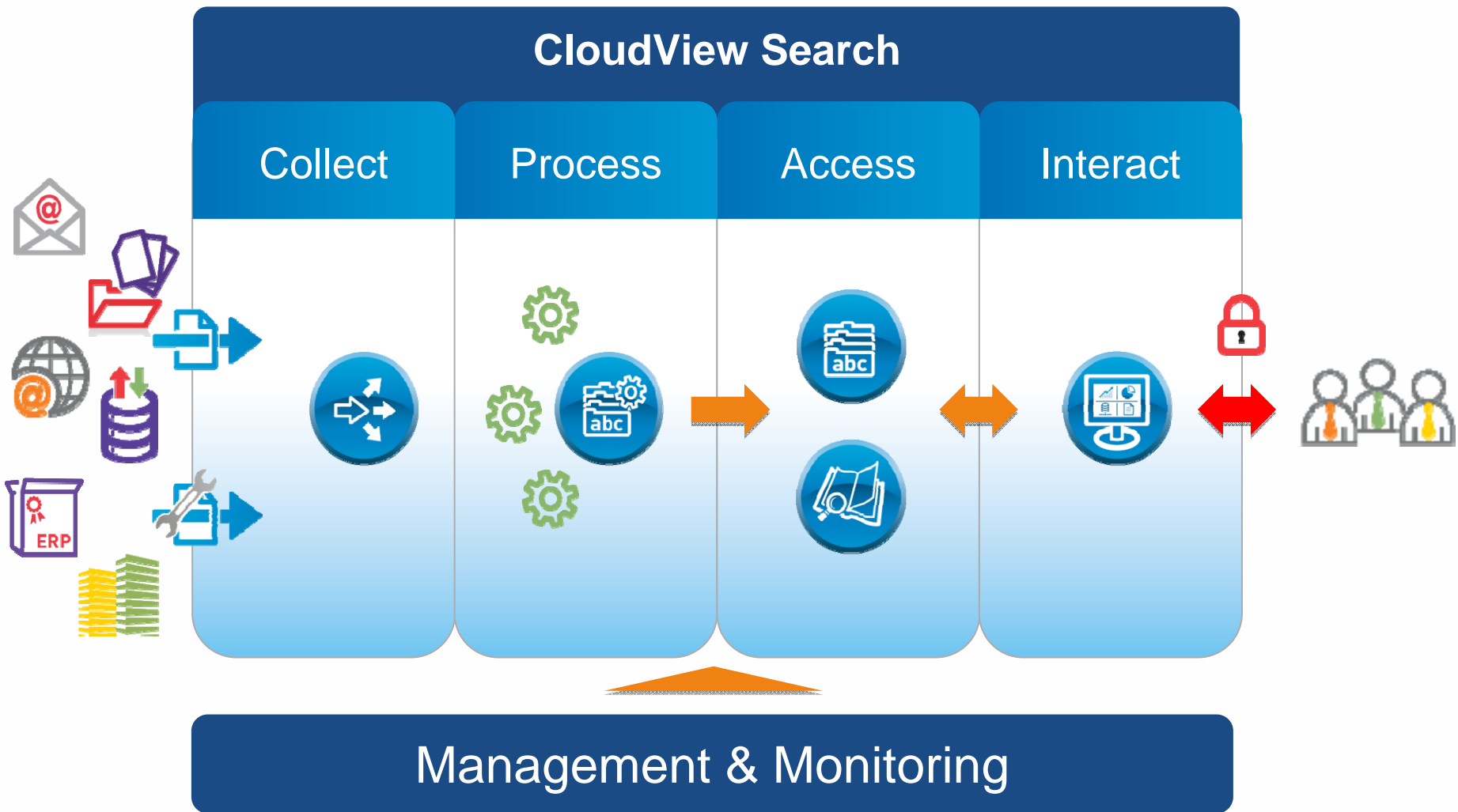
--- Select a value ---



# Architecture



# Exalead CloudView Architecture



# An Open Platform

## PUSH



Use Directly the  
Push API

OR

Use the Connector  
Framework  
to build a Connector to your  
data source

## CloudView™

Push API



Search API



Management API



## INTERACT

Use Directly the  
Search API

OR

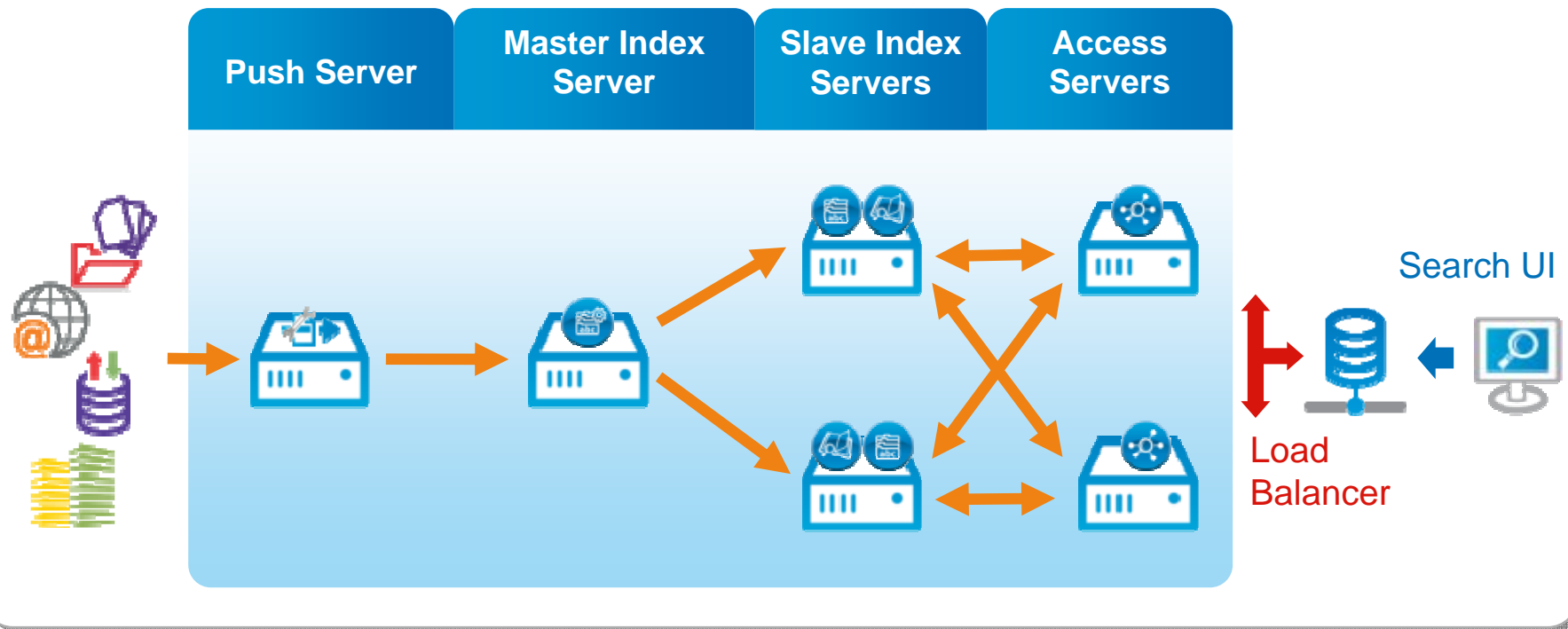
Use the Search  
Framework  
to build a Search-Based  
Application

## MANAGE

- Embed CloudView™ inside your application
- Automate CloudView™ Deployment
- Develop your own, specialized search administration screens

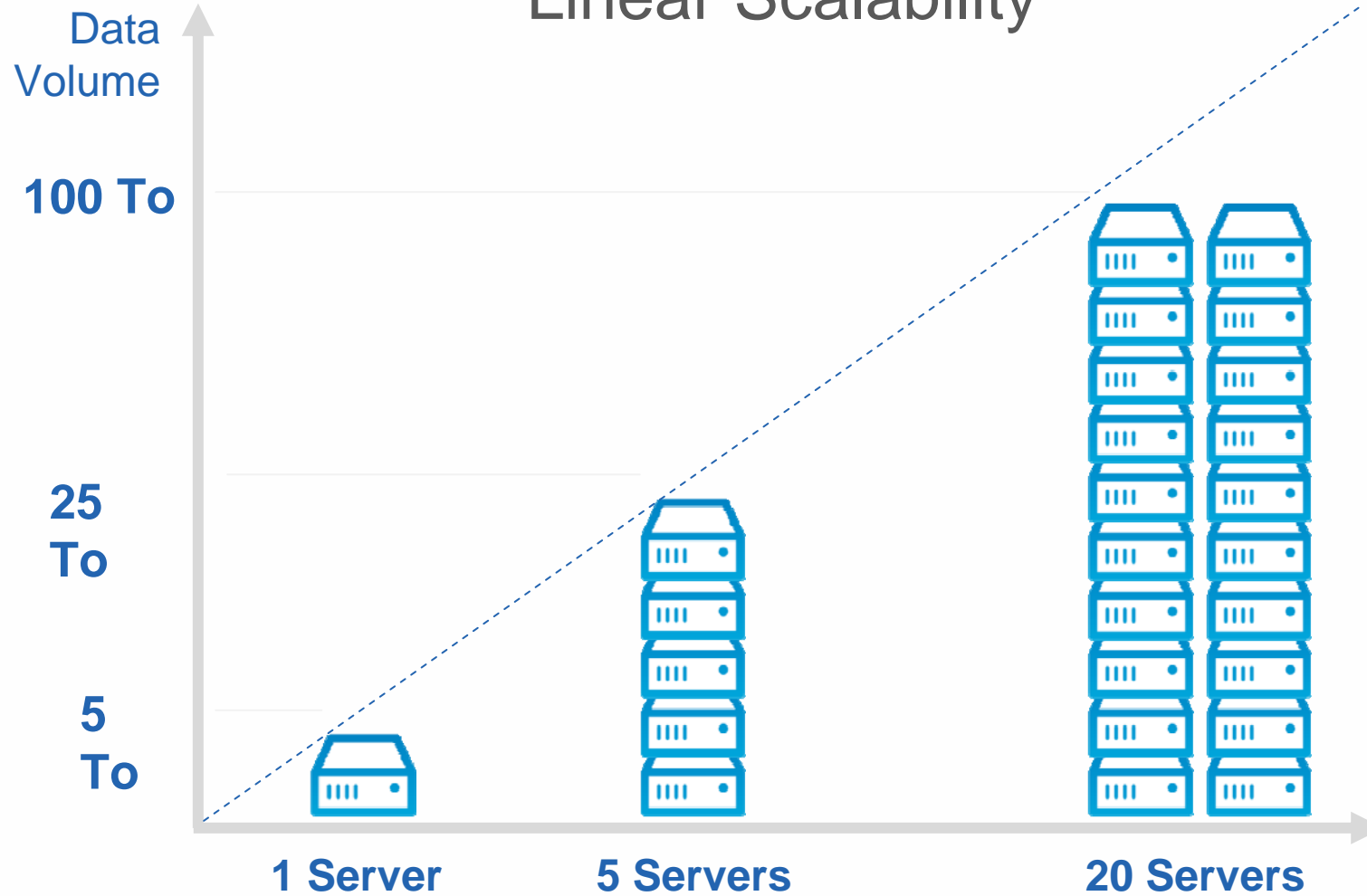
# Load Balancing & Fail Over

## CloudView



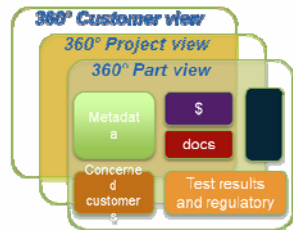
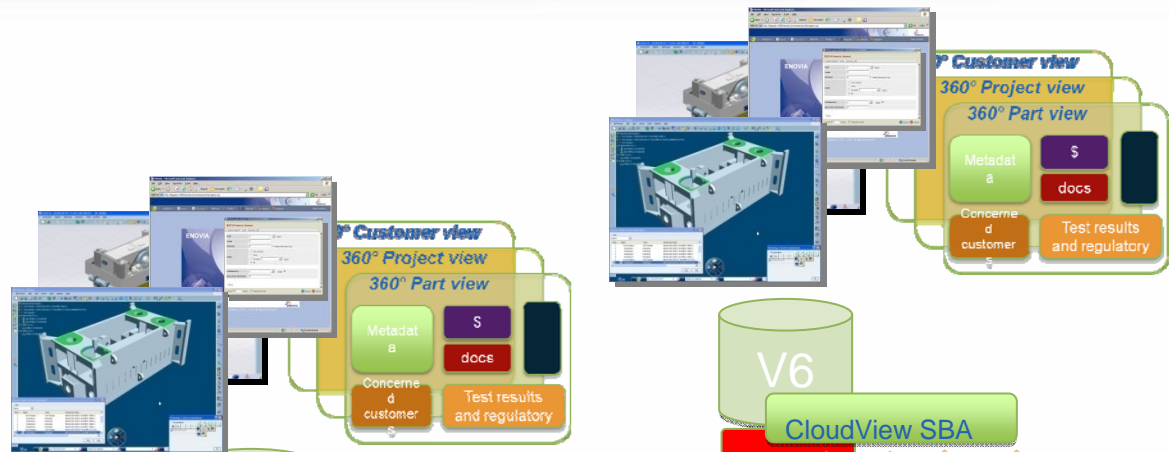
# Scalable Platform

## Linear Scalability

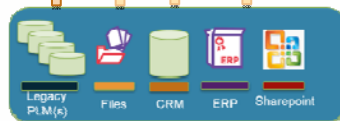


# Statement Of Direction

# V6 & Exalead CloudView

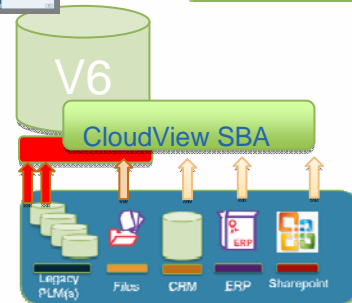


CloudView SBA



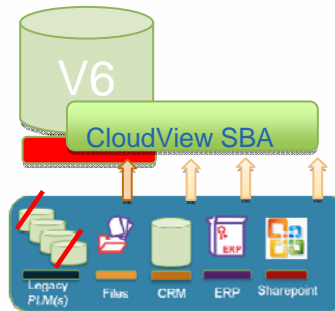
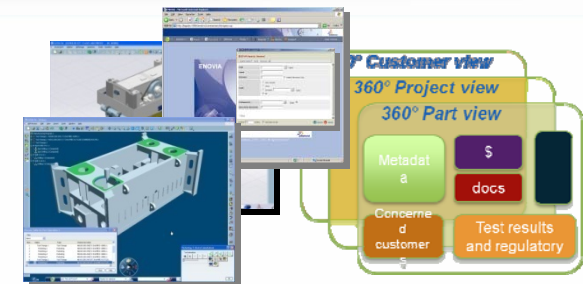
Reduced Integration Costs

- No Complex Data Integration
- 1-way integration only
- Leverage CloudView already existing connectors
- Enables data introspection
- Rapid delivery to customer



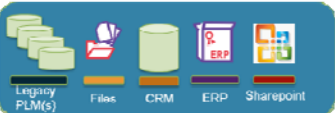
V6 integration (1)

- Introducing V6 (structured data model, object lifecycle, collaborative end to end processes, authoring tools, ...)
- Taking benefit of search within V6 apps (full text/structured search, 3D search, ...)
- Keeping the flexibility and power of Exalead
- Migrating some legacies to V6 (or federate)



V6 integration (2)

- Leveraging Exalead technology within V6
- Shut down of legacy application
- Using full V6 power integration to Exalead SBA and infrastructure



**Q&A**  
**Thanks**