exalead

DASSAULT SYSTEMES acquiert Exalead

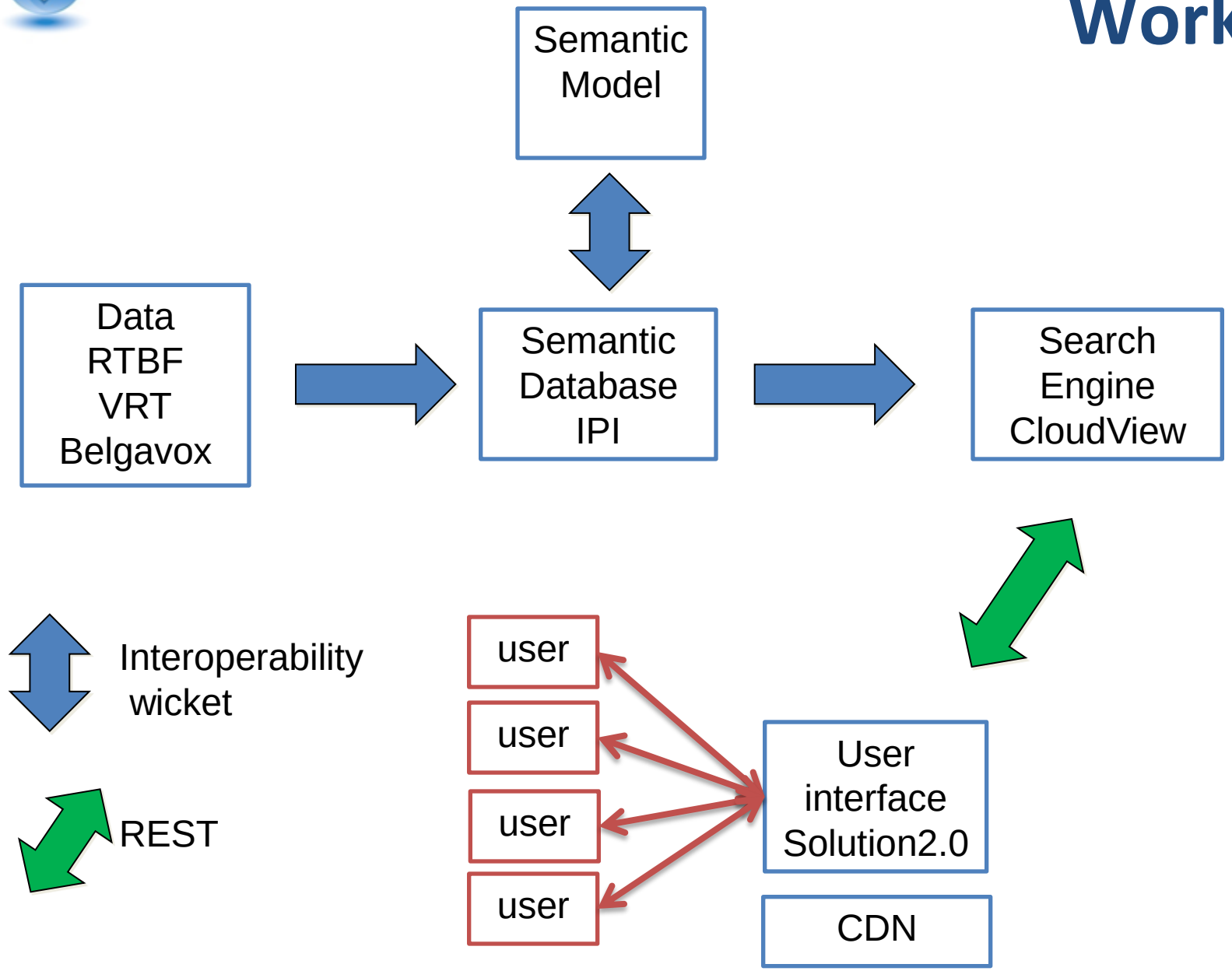
Serendipity Search In Semantic Database

European Media Wrapper Round Table V
Amsterdam

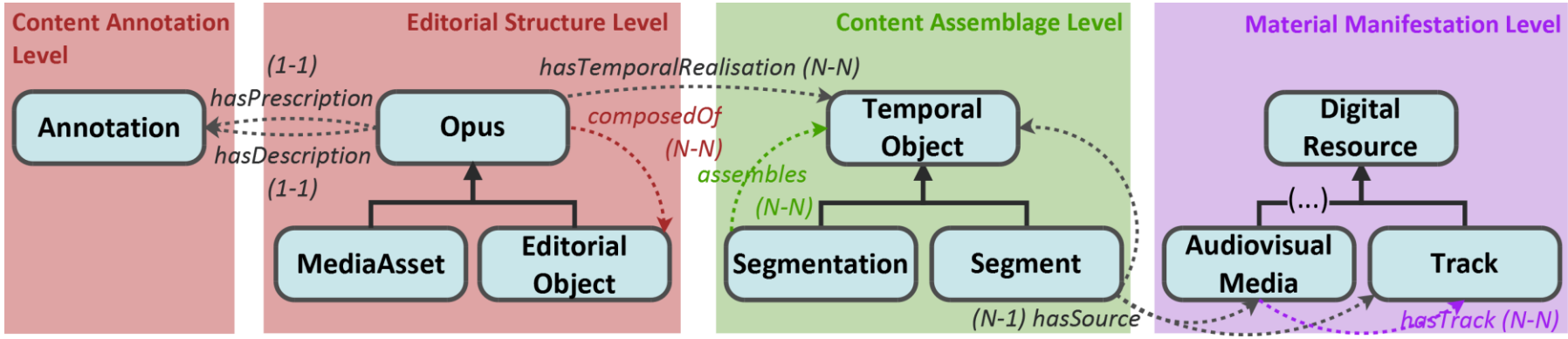
10/09/2010

Exalead S.A. © 2010L

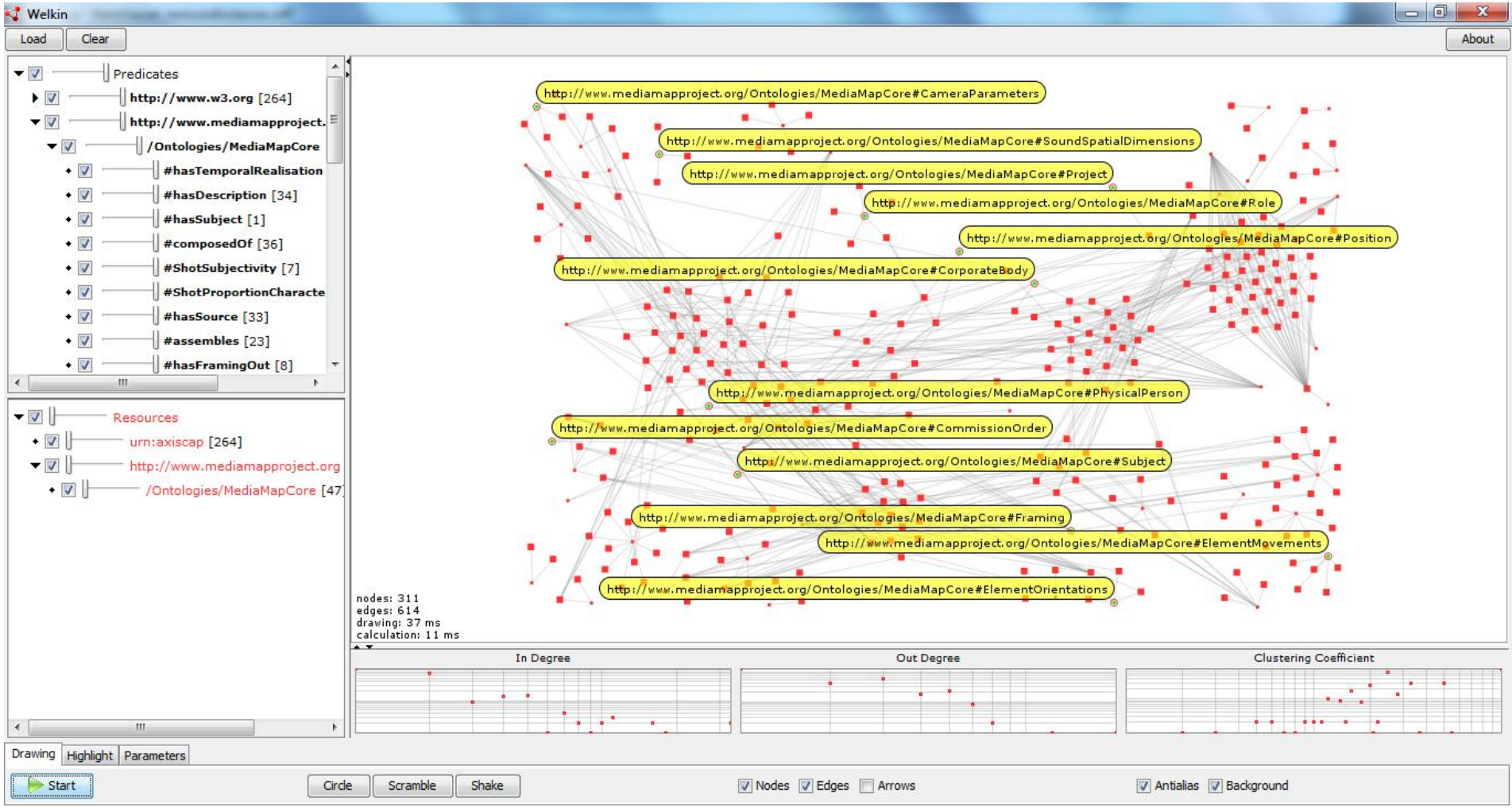
Exalead in the Mediamap Data Workflow



Semantic data model



Search in Semantic data model



What is needed to be searched?

- A full movie
- A sequence
- A shot
- …
- Everything in the same time

Serendipity

- Wikipedia definition:
  - Serendipity is a propensity for making fortunate discoveries while looking for something unrelated.
- Search by Serendipity:
  - faceted navigation
    - Navigation of results by dynamically-extracted and/or pre-defined categories
  - Rich, application-independent content previews with search term highlighting
  - User aids like support for natural language queries and multi-language search related query (and content) suggestions, and fuzzy matching tools like phonetic and approximate spelling matches and spelling corrections.

Login or create an account | Preferences

exalead

Web Images Videos Wikipedia More ▸

paris Search Advanced Search

Related Searches: Paris Hilton, City Of Paris, Paris Fashion

Home > Web results 1-10 of 480,492,467 for paris, Page 1 - Next page

Ads by Google
Paris
300 Charming Hotels selected.
Up to 50% discount- No prepayment
www.Hotels-Paris.fr
Your ad here.

News on 'paris':

8 hours ago on Guardian: Paris crèche to monitor children by putting tracking chips in clothing
43 hours ago on The Independent: Champagne fuels Paris Fashion's Night Out edition

Paris - Wikipedia, the free encyclopedia
Paris ([paʁi] (listen) in French , pronounced /'pærɪs/ in English) is the capital and largest city of France [...] **Paris** and the **Paris** Region , with €552.7 billion (US$813.4 billion) in 2008, produces
en.wikipedia.org/wiki/**Paris**
Cached - Bookmark

The **Paris** Pages / Les Pages de **Paris** / **Paris**. Org / The Web's First Site About ...
PARIS CITY TOURS Full Day , Morning Tour With Eiffel Tower lunch , **Paris** Night Cruise With Dinner **PARIS** CABARETS Crazy Horse **Paris** , Le Moulin Rouge , Le Lido
www.**paris**.org
Cached - Bookmark

Home page | DrupalConParis2009
Lost and Found Two small tours of **paris** Outside drupalcon Evening nights Places to eat in **paris** Some useful information Where to eat druplicon road trip Curious what places the Druplicon will discover
paris2009.drupalcon.org
Cached - Bookmark

Paris convention and visitors office - Official website - **Paris** tourism
Paris convention and visitors office diffuses all information to organise your stay or your trip in **Paris**: hotels and loadings, museums, monuments, going out, events, restaurants
en.parisinfo.com
Cached - Bookmark

Vegas4Visitors Hotels - **Paris** Las Vegas

Site type:
» Blog
» Forum

Multimedia:
» Audio
» Video

Filetype:
» pdf

Related terms:
» Arc De Triomphe
» City Lights
» Eiffel Tower
» Latin Quarter
» Louvre Museum
» New York
» Patent Number

Languages :

English (100%)

Countries :

United States (83%)
Netherlands (7%)
United Kingdom (4%)

Raw indexing of the IPI

Results 91-100 of 280 for #all, Page 10 - < 81-90 - 101-110 >

Narrow your search

Results per page: 10 Sorted by: Relevance

Class Of Entity

Subshot B from shot 2 description
Identifier: urn:axiscap:Tannhauser assets-295-!-!-!(!)SubshotAnnotation
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-295-!-!-!(!)SubshotAnnotation
RootId: 295
Classe: SubshotAnnotation
Property: hasCameraMovement , hasFramingIn , hasComposition , hasFramingOut

Zoomed view on the main characters
Identifier: urn:axiscap:Tannhauser assets-296-!-!-!(!)Framing
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-296-!-!-!(!)Framing
GeneralDescription: The camera is zoomed on the main characters : long focal length.
RootId: 296
Classe: Framing
Property: aspectRatio , hasShootingSet , hasCameraParameters

The two main characters + a naked dancer
Identifier: urn:axiscap:Tannhauser assets-297-!-!-!(!)Composition
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-297-!-!-!(!)Composition
GeneralDescription: We see the two main characters in medium long shot. A naked woman dances next to them.
BackgroundDescription: The background is black, with unpersonnal naked people who are dancing.
RootId: 297
Classe: Composition
Property: hasFilmedElement

Woman in black, seating and in medium long shot
Identifier: urn:axiscap:Tannhauser assets-298-!-!-!(!)FilmedElementAnnotation
TextualRepresentation: {Label} - {ClassOfEntity}

Classe

- » Segment *(38)* x
- » FilmedElement *(18)* x
- » ElementPosition *(16)* x
- » FilmedElementAnnotation *(16)* x
- » ShotValues *(11)* x
- » CameraMovements *(11)* x
- » ShotAnnotation *(10)* x
- » Shot *(10)* x
- » Subshot *(9)* x
- » ImageMedia *(8)* x
- » SubshotAnnotation *(8)* x
- » Composition *(8)* x
- » Cuts *(7)* x
- » Segmentation *(6)* x
- » WithinFramePositions *(5)* x
- » SyntaxEncodingScheme *(5)* x
- » ElementMovements *(5)* x
- » NaturalLanguage *(5)* x
- » ShotProportions *(5)* x
- » Role *(5)* x
- » PhysicalPerson *(5)* x
- » Framing *(5)* x
- » Right *(5)* x
- » CameraParameters *(4)* x
- » SoundQualities *(4)* x
- » ElementOrientations *(4)* x
- » ElementPostures *(3)* x
- » CameraAxises *(3)* x
- » SoundCharacterisations *(3)* x
- » CommissionOrder *(3)* x
- » SoundSpatialDimensions *(3)* x

Raw indexing of the IPI

Identifier: urn:axiscap:Tannhauser assets-280-!-!-!(!)FilmedElement
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-280-!-!-!(!)FilmedElement
RootId: 280
Classe: FilmedElement
Property: keyFrame , hasTemporalRealisation , hasDescription

Filmed element 2 - Shot 1

Identifier: urn:axiscap:Tannhauser assets-281-!-!-!(!)FilmedElement
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-281-!-!-!(!)FilmedElement
RootId: 281
Classe: FilmedElement
Property: keyFrame , hasTemporalRealisation , hasDescription

Filmed element 3 - Shot 1

Identifier: urn:axiscap:Tannhauser assets-282-!-!-!(!)FilmedElement
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-282-!-!-!(!)FilmedElement
RootId: 282
Classe: FilmedElement
Property: keyFrame , hasTemporalRealisation , hasDescription

Woman in black, seating and in extreme long shot

Identifier: urn:axiscap:Tannhauser assets-283-!-!-!(!)FilmedElementAnnotation
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-283-!-!-!(!)FilmedElementAnnotation
RootId: 283
Classe: FilmedElementAnnotation
Property: hasPositionOut , hasPositionIn

All group members in extreme long shot

Identifier: urn:axiscap:Tannhauser assets-284-!-!-!(!)FilmedElementAnnotation
TextualRepresentation: {Label} - {ClassOfEntity}
uri: urn:axiscap:Tannhauser assets-284-!-!-!(!)FilmedElementAnnotation
RootId: 284
Classe: FilmedElementAnnotation
Property: hasPositionOut , hasPositionIn

Properties

Named entities

» Lightning *(1)* x
» Sound *(1)* x
» Event *(1)* x

Property

» hasSource *(38)* x
» keyFrame *(34)* x
» hasTemporalRealisation *(34)* x
» hasDescription *(34)* x
» shotValue *(15)* x
» hasPositionOut *(15)* x
» elementPosture *(15)* x
» hasPositionIn *(15)* x
» withinFramePosition *(15)* x
» elementOrientation *(15)* x
» hasFilmedElement *(8)* x
» hasFramingIn *(8)* x
» composedOf *(8)* x
» hasComposition *(8)* x
» hasFramingOut *(8)* x
» ShotProportionCharacterisation *(7)* x
» ShotSubjectivity *(7)* x
» assembles *(6)* x
» aspectRatio *(5)* x
» hasShootingSet *(5)* x

People

» Pierre Deprez *(3)* x
» Alan Ball *(1)* x
» Jerry Bruckheimer *(1)* x
» Christopher Nolan *(1)* x
» Michael Moore *(1)* x
» Guillaume Rachez *(1)* x
» Richard Wagner *(1)* x

Location

» Cuts *(7)* x
» Bruxelles *(1)* x

Organization

» RTBF *(3)* x
» Nolan *(1)* x

Indexing Assets following links

- Selection of the searchable assets:
  - Subject
  - Shot
  - Subshot
  - Filmed Element
- The links (properties) are used to enriched the assets

exalead

Results 21-30 of 38 for #all, Page 3 - < 11-20 - 31-38 >

Narrow your search

Results per page: 10 Sorted by: Relevance

Subshot A from shot 2

hasDescription_hasComposition_ClassOfEntity: Composition
hasDescription_hasFramingOut_hasCameraParameters_diaphragm: half open
hasDescription_hasComposition_hasFilmedElement_hasPositionIn_withinFramePosition_ClassOfEntity: WithinFramePositions, WithinFramePositions, WithinFramePositions
hasDescription_hasComposition_hasFilmedElement_hasPositionIn_Label: Seating and in medium long shot, Laid down and in medium long shot, Standing up in medium long shot
hasDescription_hasFramingOut_hasShootingSet_hasLightning_lightningType_value: The light is directive, and make appear a lot of shadows in the frame.
hasTemporalRealisation_hasSource_ClassOfEntity: AudiovisualMedia
keyFrame_ClassOfEntity: ImageMedia
hasDescription_hasFramingIn_hasShootingSet_hasLightning_lightningType_Label: Spot
hasDescription_hasFramingIn_hasShootingSet_hasLightning_lightningType_value: The light is directive, and make appear a lot of shadows in the frame.
hasDescription_hasComposition_hasFilmedElement_hasPositionIn_elementOrientation_ClassOfEntity: ElementOrientations, ElementOrientations, ElementOrientations
hasDescription_hasFramingIn_hasShootingSet_hasLightning_lightIntensity: strong directive
hasDescription_hasFramingOut_GeneralDescription: The camera is zoomed on the main characters : long focal length.
hasDescription_hasComposition_hasFilmedElement_hasPositionIn_shotValue_ClassOfEntity: ShotValues, ShotValues, ShotValues
hasDescription_hasFramingIn_hasCameraParameters_focus: on characters
hasDescription_hasComposition_hasFilmedElement_hasPositionOut_withinFramePosition_Label: MidLeft, Centre, Centre
hasDescription_hasFramingOut_aspectRatio_ClassOfEntity: AspectRatioTypes
hasDescription_hasFramingOut_hasCameraParameters_focus: on characters
hasDescription_hasFramingOut_hasShootingSet_cameraDirection: To the scene
hasDescription_hasFramingIn_hasShootingSet_hasLightning_lightningType_ClassOfEntity: LightningTypes
uri: 291_target
hasTemporalRealisation_TCout: 00:00:14

Classe

- » FilmedElement *(18)* x
- » Shot *(10)* x
- » Subshot *(9)* x
- » Subject *(1)* x

People

- » Pierre Deprez *(1)* x
- » Richard Wagner *(1)* x

Location

- » Bruxelles *(14)* x
- » Cuts *(2)* x

Organization

- » RTBF *(34)* x

Search engine paradox ?

- Semantic database:
  - multiple assets with links and relation
- Search engine:
  - flat data

Indexing Assets following links (2)

- Selection of the searchable assets:
  - Subject, Shot, Subshot, Filmed Element
- The links (properties) are used to enriched the assets and are filtered
- Some properties are mapped as facet
  - This selection is done thanks to the semantic relations
- This mapping depends on the data and the use cases

Results per page: 10 Sorted by: Relevance

Filmed element 1 - Shot 4

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Woman in black, from long shot to medium shot
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: LongShot
tcin: 00:00:25
tcout: 00:00:36
Classe: FilmedElement
Element: Orientation › Front , Posture › LaidDown
FramePosition: MidRight
shotValue: LongShot , MediumShot

Filmed element 2 - Shot 4

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Man in black, from long shot to medium shot
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: LongShot
tcin: 00:00:25
tcout: 00:00:36
Classe: FilmedElement
Element: Orientation › Front , Posture › Seating
FramePosition: MidRight
shotValue: LongShot , MediumShot

Filmed element 2 - shot 5

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe5.jpg
hasDescription_hasPositionOut_shotValue_Label: ExtremeLongShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Man in black, laid down and in extreme long shot
hasDescription_hasPositionOut_elementOrientation_Label: Front

Classe
- » FilmedElement *(18)* x
- » Shot *(10)* x
- » Subshot *(9)* x
- » Subject *(1)* x

Element
- » Orientation *(16)* x
  - » Front *(9)* x
  - » Profile *(5)* x
  - » 3 *(1)* x
    - » 4 Face *(1)* x
  - » Back *(1)* x
- » Posture *(16)* x
  - » Seating *(7)* x
  - » LaidDown *(7)* x
  - » StandingUp *(4)* x

LightningType
- » Spot *(7)* x

Camera Direction
- » To the scene *(7)* x

FramePosition
- » Centre *(7)* x
- » MidRight *(6)* x
- » MidLeft *(5)* x

shotValue
- » MediumLongShot *(7)* x
- » ExtremeLongShot *(4)* x
- » LongShot *(4)* x
- » MediumCloseShot *(2)* x
- » MediumShot *(2)* x
- » MediumCloseUp *(1)* x

People
- » Richard Wagner *(1)* x

Results per page: 10 Sorted by: Relevance

Filmed element 1 - Shot 4

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Woman in black, from long shot to medium shot
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: LongShot
tcin: 00:00:25
tcout: 00:00:36
Classe: FilmedElement
Element: Orientation › Front , Posture › LaidDown
FramePosition: MidRight
shotValue: LongShot , MediumShot

Filmed element 2 - Shot 4

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Man in black, from long shot to medium shot
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: LongShot
tcin: 00:00:25
tcout: 00:00:36
Classe: FilmedElement
Element: Orientation › Front , Posture › Seating
FramePosition: MidRight
shotValue: LongShot , MediumShot

Filmed element 2 - shot 5

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe5.jpg
hasDescription_hasPositionOut_shotValue_Label: ExtremeLongShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Man in black, laid down and in extreme long shot
hasDescription_hasPositionOut_elementOrientation_Label: Front

Specific facets

Classe
- » FilmedElement *(18)* x
- » Shot *(10)* x
- » Subshot *(9)* x
- » Subject *(1)* x

Element
- » Orientation *(16)* x
  - » Front *(9)* x
  - » Profile *(5)* x
  - » 3 *(1)* x
    - » 4 Face *(1)* x
  - » Back *(1)* x
- » Posture *(16)* x
  - » Seating *(7)* x
  - » LaidDown *(7)* x
  - » StandingUp *(4)* x

LightningType
- » Spot *(7)* x

Camera Direction
- » To the scene *(7)* x

FramePosition
- » Centre *(7)* x
- » MidRight *(6)* x
- » MidLeft *(5)* x

shotValue
- » MediumLongShot *(7)* x
- » ExtremeLongShot *(4)* x
- » LongShot *(4)* x
- » MediumCloseShot *(2)* x
- » MediumShot *(2)* x
- » MediumCloseUp *(1)* x

People
- » Richard Wagner *(1)* x

Serendipity in Mediamap: Advanced search

exalead
connect the dots

Preferences

RawIndex Filter Unfilter

women AND NOT (black) **Search** Advanced search

Build your query using advanced syntax close

Results 1-4 of 4 for women AND

What are you looking for?

- Exact Wording *eg: "To be or not to be"*
- Excluded Words *eg: New -york*
- Optional Words *eg: exalead OPT cloudview*
- Proximity Search *ex: (financial NEAR market)*
- Logical Expression *eg:((fast OR quick) AND NOT lightning)*

Do you need approximate search?

- Words starting with *eg: messag**
- Phonetic Search *eg: soundslike:telefone*
- Approximate spelling Search *eg: spellslike:exlaead*

Where do you want to search?

- File type *eg: file_extension:pdf*
- Search after a Date *eg: after:12/31/2008*
- Search before a Date *eg: before:12/31/2008*
- Date *eg: date:12/31/2008*
- Title Search *eg: title:exalead*
- Document Search *eg: text:"To be or not to be"*
- File size larger than *eg: file_size>=1000*
- File size smaller than *eg: file_size<=1000*
- URL Search *eg: inurl:musique*
- Site Search *eg: site:exalead.com*

Choose a language *eg: language:en*

Shot 4

The **woman** is seated, the n
http://projects.perfect-memor
Tannhauser_KeyFrames/key
hasTemporalRealisation_h
memory.com/mediamap/age
hasDescription_Label: Sho
tcin: 00:00:25
tcout: 00:00:36
Classe: Shot

Shot 2

A naked **woman** dances next to them
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe2.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 2 description
tcin: 00:00:04
tcout: 00:00:20
Classe: Shot

shotValue

» MediumCloseShot *(1)* x

exalead
connect the dots

RawIndex Filter Unfilter

women Search Advanced search

Results 1-10 of 18 for women, Page 1 - 11-18 >

Narrow your search

Results per page: 10 Sorted by: Relevance

Shot 4

The **woman** is seated, the man is laid down on her legs
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 4 description
tcin: 00:00:25
tcout: 00:00:36
Classe: Shot

Shot 1

All shot 1 content and information A seated **woman** in black, a man laid down on her legs, a group of naked dancers around them
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe1.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 1 description
tcin: 00:00:00
tcout: 00:00:04
Classe: Shot

Shot 2

A naked **woman** dances next to them
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe2.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 2 description
tcin: 00:00:04
tcout: 00:00:20
Classe: Shot

Shot 5

The man in black and the **woman** in black are in front of the scene
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe5.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 5 description
hasDescription_Duration: 3
tcin: 00:00:36

Classe
- » FilmedElement (8) x
- » Subshot (6) x
- » Shot (4) x

Element
- » Orientation (7) x
  - » Front (3) x
  - » Profile (3) x
  - » Back (1) x
- » Posture (7) x
  - » Seating (4) x
  - » LaidDown (2) x
  - » StandingUp (2) x

LightningType
- » Spot (6) x

Camera Direction
- » To the scene (6) x

FramePosition
- » Centre (3) x
- » MidRight (3) x
- » MidLeft (2) x

shotValue
- » MediumLongShot (3) x
- » ExtremeLongShot (2) x
- » LongShot (2) x
- » MediumCloseShot (1) x
- » MediumShot (1) x

exalead
connect the dots

RawIndex Filter Unfilter

women Search Advanced search

Results 1-10 of 18 for women, Page 1 - 11-18 >

Narrow your search

Results per page: 10 Sorted by: Relevance

Shot 4

The **woman** is seated, the man is laid down on her legs
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 4 description
tcin: 00:00:25
tcout: 00:00:36
Classe: Shot

Shot 1

All shot 1 content and information A seated **woman** in black, a man laid down on her legs, a group of naked dancers around them
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe1.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 1 description
tcin: 00:00:00
tcout: 00:00:04
Classe: Shot

Shot 2

A naked **woman** dances next to them
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe2.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 2 description
tcin: 00:00:04
tcout: 00:00:20
Classe: Shot

Shot 5

The man in black and the **woman** in black are in front of the scene
http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe5.jpg
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Shot 5 description
hasDescription_Duration: 3
tcin: 00:00:36

Classe
- » FilmedElement (8) x
- » Subshot (6) x
- » Shot (4) x

Element
- » Orientation (7) x
  - » Front (3) x
  - » Profile (3) x
  - » Back (1) x
- » Posture (7) x
  - » Seating (4) x
  - » LaidDown (2) x
  - » StandingUp (2) x

LightningType
- » Spot (6) x

Camera Direction
- » To the scene (6) x

FramePosition
- » Centre (3) x
- » MidRight (3) x
- » MidLeft (2) x

shotValue
- » MediumLongShot (3) x
- » ExtremeLongShot (2) x
- » LongShot (2) x
- » MediumCloseShot (1) x
- » MediumShot (1) x

Preferences

exalead
connect the dots

RawIndex Filter Unfilter

women Search Advanced search

Results 1-2 of 2 for women, Page 1

Narrow your search

Results per page: 10 Sorted by: Relevance

Filmed element 2 - Shot 3

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe3.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumCloseShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Woman dancer
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: MediumCloseShot
tcin: 00:00:19
tcout: 00:00:25
Classe: FilmedElement
Element: Orientation » Front , Posture » LaidDown , Posture » StandingUp
FramePosition: MidRight
shotValue: MediumCloseShot

Filmed element 1 - Shot 4

http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_Tannhauser_KeyFrames/keyframe4.jpg
hasDescription_hasPositionOut_shotValue_Label: MediumShot
hasTemporalRealisation_hasSource_source: http://projects.perfect-memory.com/mediamap/agendaculturel/data/RTBF_179002_QT.mov
hasDescription_Label: Woman in black, from long shot to medium shot
hasDescription_hasPositionOut_elementOrientation_Label: Front
hasDescription_hasPositionIn_elementOrientation_Label: Front
hasDescription_hasPositionIn_shotValue_Label: LongShot
tcin: 00:00:25
tcout: 00:00:36
Classe: FilmedElement
Element: Orientation » Front , Posture » LaidDown
FramePosition: MidRight
shotValue: LongShot , MediumShot

Previous page 1 Next page

Current Filters

Element
Posture x
LaidDown x

Classe
» FilmedElement (2) x

Element
» Orientation (2) x
» Front (2) x
» StandingUp (1) x

FramePosition
» MidRight (2) x

shotValue
» MediumCloseShot (1) x
» LongShot (1) x
» MediumShot (1) x

rtbf

Conclusions

- Advantages of the search by serendipity on a semantic database:
  - Very efficient in terms of scalability
  - User friendly for making queries
  - Presents the richness of the semantic database
- Drawbacks:
  - Need a manual configuration depending on the use cases and depending on the data model

Questions

Links

- Demo
  - http://81.246.101.71:50000
- Conf
  - http://81.246.101.71:50001
- IPI GIO
  - http://94.23.207.147/IPI-EditorTestPage.aspx

Multiple segmentations

Automatic Segmentation

Speech/music

Locutor segmentation

Shot Detection

Manual segmentation

And also: Subshot, element of the shot etc …

exalead

3 functions of semantics

Add a type to something	• Apple is a ***fruit***
Tell when two different things are the same thing	• *purchase shares* == *buy stock*
Specify a relation between two things	• Rafael Nadal ***plays against*** Roger Federer

Semantics in Databases

- Databases are “structured”
- Database semantics comes from row:column
  - Column defines *Type* of entity
    - Examples: client, supplier
  - Row defines *Relation* between entities
    - *Primary key* - main entity
  - As for *Equality*
    - This is the whole problem of Master Data Management

Name	User	Phone	College
Graff	rgraff	392-3900	Pharmacy
Harris	bharris	392-5555	Medicine
Ipswich	zipswich	846-5656	PHHP

Immediate Federated View			
Erik McClain		Address 1	Billing
McClain Erik		Email	CRM
Erik	McClain	Birth Date	Support
Erik	McClain	Phone	ERP

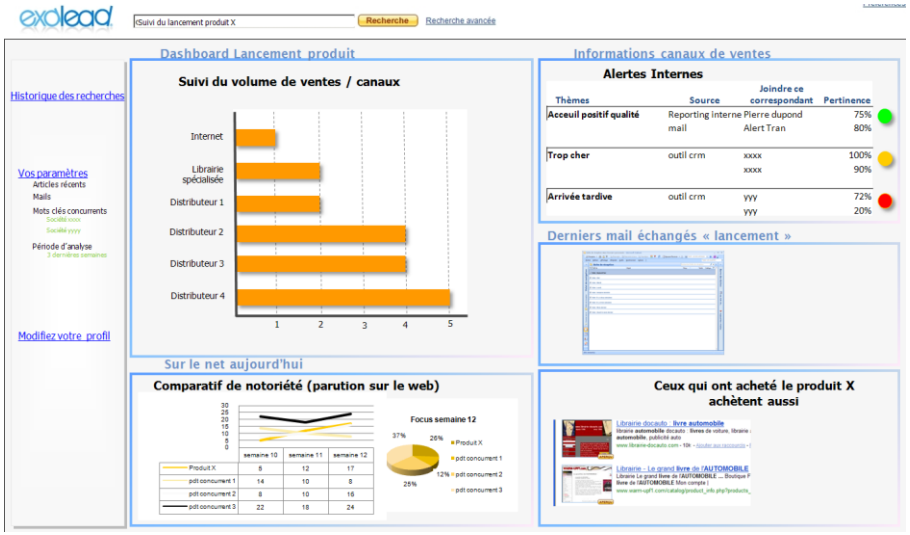
Semantics in Text

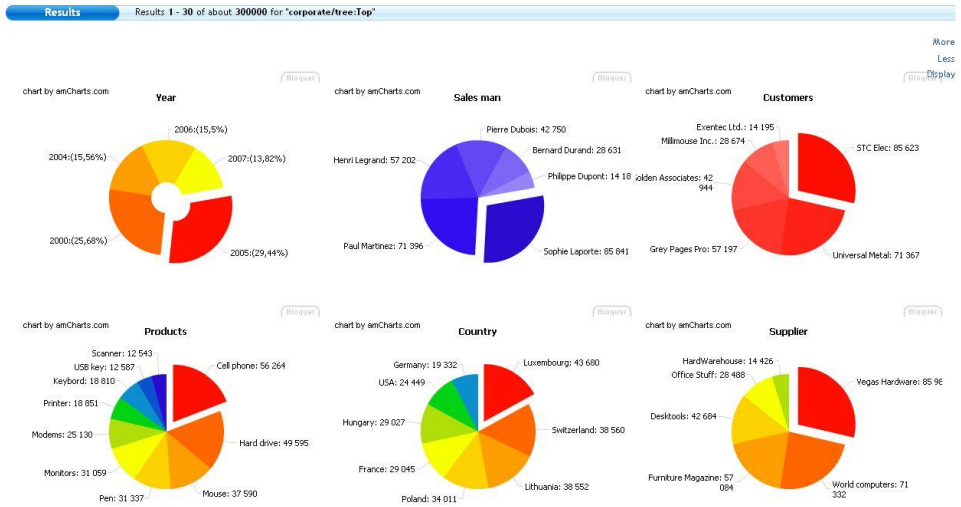
- Text is “unstructured”
  - Semantics not explicit
    - Resources and processing needed
- Natural Language Processing
  - *Typing* entities/things
    - Rules, lists, ontologies
  - *Equality*
    - Linguistic variants, morphology, stemming, synonyms
  - *Relations*
    - Parsing, co-occurrence (related terms), Linked Open Data

	Google has acquired social search Aardvark service Aardvark, says a source that has been briefed on the deal, for around $50 million. We first reported on the discussions between the two companies ...

Exalead Fields capture most types, documents capture rows

- Exalead Field types
  - Text
  - Dates
  - Numbers
  - Categories
- Exalead Documents
  - Each doc an entity, database rows, or
  - Each doc a text, with entities added in fields





Ads by Google

Hubble
Percer les mystères de l'espace en nous retrouvant sur Enjoyspace
www.enjoyspace.com

Hubble
Tout l'univers Hubble
Comparez, trouvez, achetez, vendez
www.eBay.fr

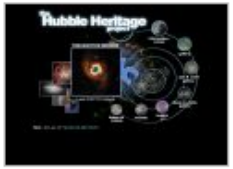
Your ad here.

HubbleSite -- Out of the ordinary...out of this world.

Search all of HubbleSite HOME NEWSCENTER GALLERY **HUBBLE** DISCOVERIES **HUBBLE** [...] NEWSCENTER **hubble** news All the **Hubble** news and pictures, from the latest discoveries to the earliest observations.
hubblesite.org - Cached - Bookmark

Main **Hubble** Page

For instructions, click here + NASA HOME + Contact **Hubble** Program Named after the trailblazing astronomer Edwin P. **Hubble** (1889-1953), the **Hubble** Space Telescope (HST) is a large, space-...
hubble.nasa.gov - Cached - Bookmark



The **Hubble** Heritage Project Website

Last WFPC2 Image New: Join us on Facebook and Flickr!
heritage.stsci.edu - Cached - Bookmark

Esa Science & Technology: **Hubble**

During its lifetime **Hubble** has become one of the most important science projects ever. NEWS **Hubble** captures rare Jupiter collision [heic0909] Commissioning **Hubble** - preparing for science ...
hubble.esa.int - Cached - Bookmark

The European Homepage For The Nasa/esa **Hubble** Space Telescope

[...] videos goodies **hubble** shop about **hubble** science kids & teachers press projects jobs

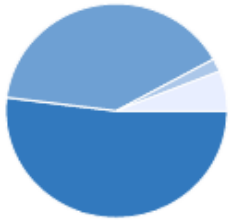
Site type:
» Blog
» Forum

Multimedia:
» Audio
» Video

Filetype:
» pdf

Related terms:
» Advanced Camera for...
» Planetary Camera
» Space Telescope Sci...
» SPACE SHUTTLE
» Telescope Images
» Navette Spatiale

Languages :



English (52%)
French (40%)
Spanish (2%)
Others (6%)

Countries :

exolead

matrix | mailing lists | marketing | siriube | sales | bugs

developing countries Search Advanced search

OFFICE\ggrefens Sign out | Profile | References

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

Sort by relevance - Sort by date - Sort by size | View:

IDC_WW_Search__Discovery_Forecast_2007-2011.pdf
The search market is in for another tumultuous year of fast growth. ! ... Whether this consolidation will be in conjunction with business intelligence applications, ...
29 May 2008 - 220k

Source: Vie société : Formations Nouveaux Arrivants : Resources : Additional interesting documents
Famous people: Susan Feldman, Basel II
Geographic location: Oss, Americas, Asia, Speen Street, USA, United States, Geographic Region, While North
Organization: Microsoft, IBM, Oracle, Google, Ask Jeeves, AJAX

Research Areas, FP7
6International collaboration with **Developing** Nations and Emerging Economies PAGEREF _Toc193707850 In Editors ... Further, since the combination of media and ...
21 Mar 2008 - 656k

Source: Vie société : Documentation : Contrats : Consortium_Projects : 6_FP6 : CHORUS
Famous people: Federico Moro, Isidro Laso Ballesteros, Petros Daras
Geographic location: Europe, Brussels, Novel, Japan
Organization: FMI, EU, European Commission, European Union, Information Society, The European Commission, Gartner Group, Enabling New Mobile, Virtual Community

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: Vie société : Documentation : Contrats : Consortium_Projects : 7_FP7 : SeenOnTV
Famous people: Alma Bioinformatica, Karl Aberer, Henry Tirri, Wray Buntine, Alvis Architecture, Adeline Nazarenko
Geographic location: Paris, Europe, US, Pu, Denmark, France, Finland
Organization: INRA, EU, Exalead, EPFL, Google, Microsoft, MS, Project Management Committee, Université Paris, European Commission

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: Vie société : Documentation : Contrats : Consortium_Projects : 7_FP7 : SeenOnTV : Admin
Famous people: Ayala Rahav, Simon van Dam, Daniel Ockeloen, Florian van der Velde, John De Vet, Kees Tuinenbreijer
Geographic location: France, Athens, The Netherlands, Europe, Israel, Greece, Haifa
Organization: IBM, Exalead, Philips, Ibm Haifa, EU, Magellan Partners, European Commission, Philips Consumer Electronics, Digital Tv, Carnegie

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: Vie société : Documentation : Sales_and_communication_kit : Powerpoint_Presentation : Event_presentations : Gartner Symposium Cannes 2008
Famous people: Monica Basso, Marc Prensky, 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 It and Mobile Skills Information Retrieval Consumer Products Social Networks, Amazon, Apple

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: Vie société : Documentation : Sales_and_communication_kit : Powerpoint_Presentation : Event_presentations : Gartner Symposium Cannes 2008
Famous people: Diane Morello, Marine Corps, Will Explode
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

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: Vie société : Documentation : Sales_and_communication_kit : Powerpoint_Presentation : Event_presentations : Gartner Symposium Cannes 2008
Famous people: Yvonne Genovese, Mark Prensky
Geographic location: Cannes, France, India, U.S., Applications Building, Berkeley, Beijing, Hyderabad
Organization: Gartner, Inc., Gartner, Infosys, Population Division, United Nations, Duke University, University of California

INTRODUCTION
from NIC newly industrialised **countries**) Destinations Strongly concentrated (75%) In developed economies High ... In different **countries** States may inhibit ...
24 Mar 2002 - 57k

Source: Vie société : Commercial : KK : $EXALEAD MYCIE : IDEES : $ARCHIVES 2000 : TEMP MBA : $ARCHIVES 2000 : GT : MBA : INTERNATIONAL : from First class

Refine your search

Source

- Vie société (402) exclude
  - Documentation (221) exclude
  - Commercial (81) exclude
  - Marketing (36) exclude
  - Client (20) exclude
  - Professional_Services (19) exclude
- Documentation (222) exclude
  - Contrats (93) exclude
  - Sales_and_communication_kit (59) exclude
  - Archives (29) exclude
  - Press (27) exclude
  - Competition (12) exclude
- Commercial (89) exclude
  - KK (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

- Ameer Rizvi (2) exclude
- Carole Offredo (16) exclude
- Celia Revol (11) exclude
- Ella Maria Barragan (4) exclude
- Florian Douetteau (4) exclude
- Giuseppe Contissa (6) exclude
- Julien Gledel (23) exclude
- Manufacturing News (2) exclude
- gcandela@almaoq.com (15) exclude
- mgiraud@almaoq.com (5) exclude

Recipient

- dles-alls@atosorigin.com (20) exclude
- francois.lagunas@exalead.com (12) exclude
- j.pitt@imperial.ac.uk (11) exclude
- jobs-fr@exalead.com (22) exclude
- lucretia.malorescu@silveco.ro (11) exclude
- paolo.franceschini@sineura.com (11) exclude
- pelsse-duplchot-zirah@wanadoo.fr (11) exclude
- presse@exalead.com (11) exclude
- r.attias-dg@ort.asso.fr (11) exclude
- sartor@clrfid.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 (.txt) (10) exclude
- E-Mail (6) exclude
- MS Open XML Word (.docx) (6) exclude

Date

- 2009 exclude
- 2008 (276) exclude
  - March 2008 exclude
  - April 2008 exclude
  - October 2008 exclude
- 2007 (213) exclude
  - April 2007 exclude
  - September 2007 exclude
  - October 2007 exclude
- 2005 exclude

Language

3 Suisses.fr

1ER SITE MARCHAND MODE & DÉCO En savoir +

Aide | Newsletter | Commande Directe à partir de vos catalogues | Suivi de commande | Mon compte | PANIER (0 article)

Rechercher : Mots clés ou référence catalogue (ex : 1234567) OK

Accueil Femme Homme Enfant Maison Hightech Loisirs Promos

300 articles trouvés pour votre recherche : T SHIRT

AFFINER VOTRE RECHERCHE

Par prix
- De 10 à 20 (287)
- De 20 à 30 (149)
- De 0 à 10 (144)
- De 30 à 40 (62)
- De 40 à 50 (20)

Plus de prix

Par coloris
- noir (247)
- blanc (148)

Plus de coloris

Par taille
- 38 (258)
- 42 (254)

Plus de tailles

Par marque
- Puma (36)
- Actuamode (35)
- Adidas performance (33)
- Votre Mode (31)
- 3 Suisses Collection Femme (30)

Plus de marques

Par univers
- Femme (241)
- Enfant (148)
- Homme (128)
- Sport (98)
- Lingerie Beauté (22)

Plus d'univers

Par boutique
- Bonnes affaires (158)
- Shopping par produit (147)
- Bonnes Affaires (85)
- Marques (32)
- Les nouveautés du sport (30)

Plus de boutiques

Par rayon
- Bonnes affaires (158)
- Shopping par produit (147)

Plus de rayons

Page 1/7 Suivant

Trier les articles par du + cher au - cher

together

T-shirt TOGETHER

depuis **54.90 €**

T-shirt LEVI'S®

depuis **50.00 €**

T-shirt manches longues LEVI'S®

depuis **50.00 €**

Pepe Jeans

T-shirt manches longues PEPE JEANS

depuis **49.90 €**

together

T-shirt TOGETHER

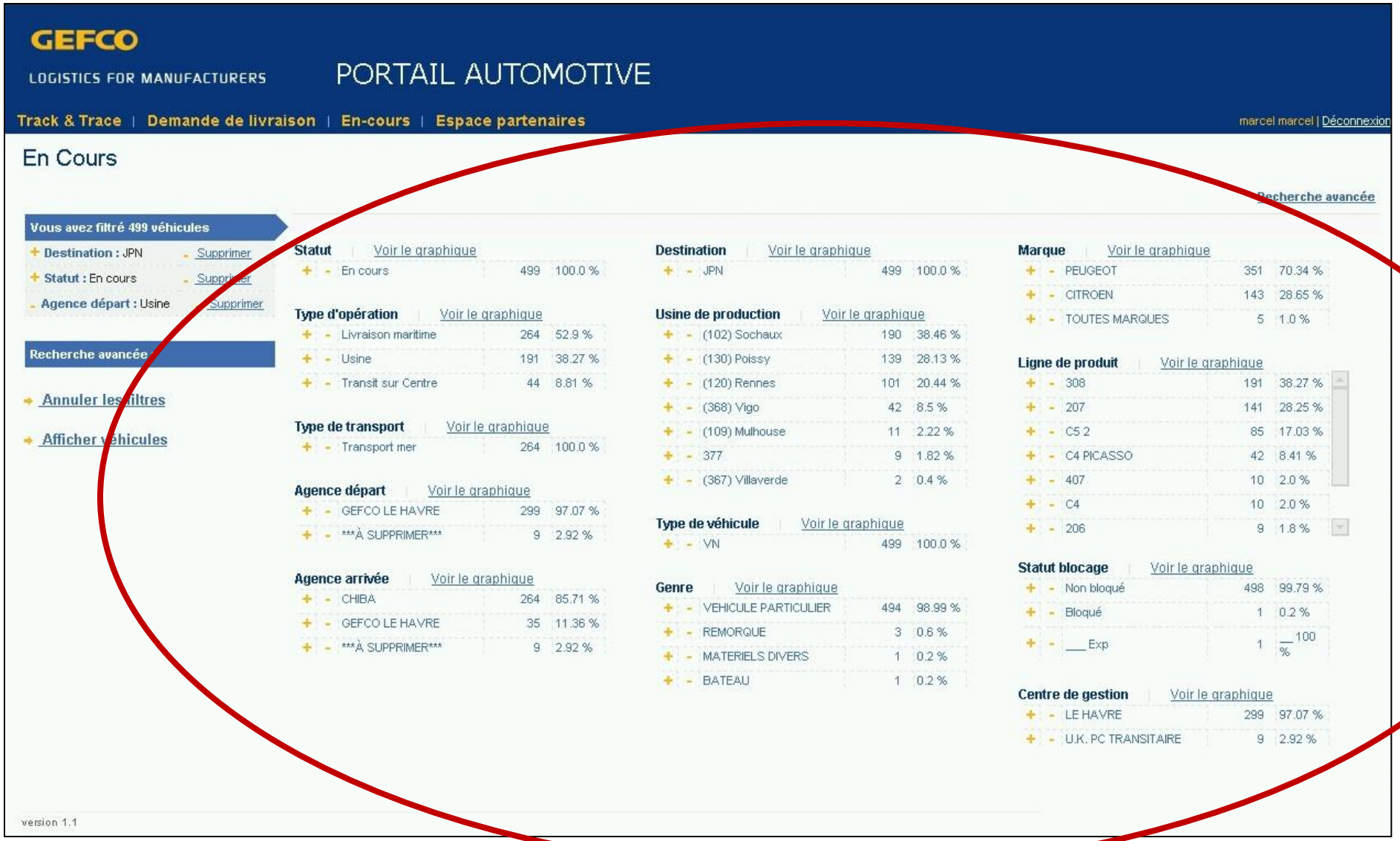
depuis **49.90 €**

T-shirt homme LEVI'S®

depuis **45.00 €**

Fenêtres pop-up bloquées : 1

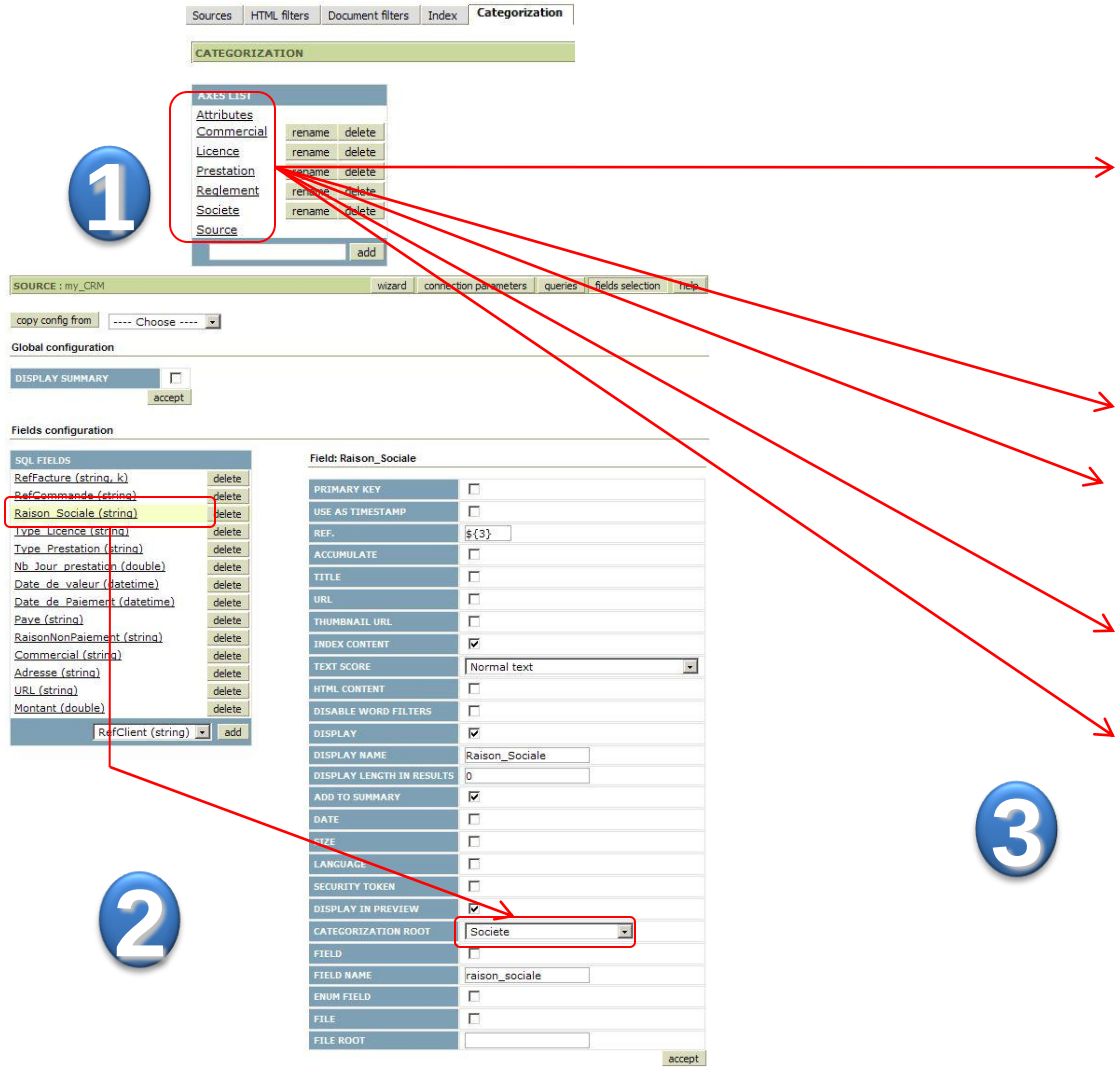
Tabular facets



exalead

Facet
=
Semantic Dimension

Semantics comes from Databases



Resultset 1

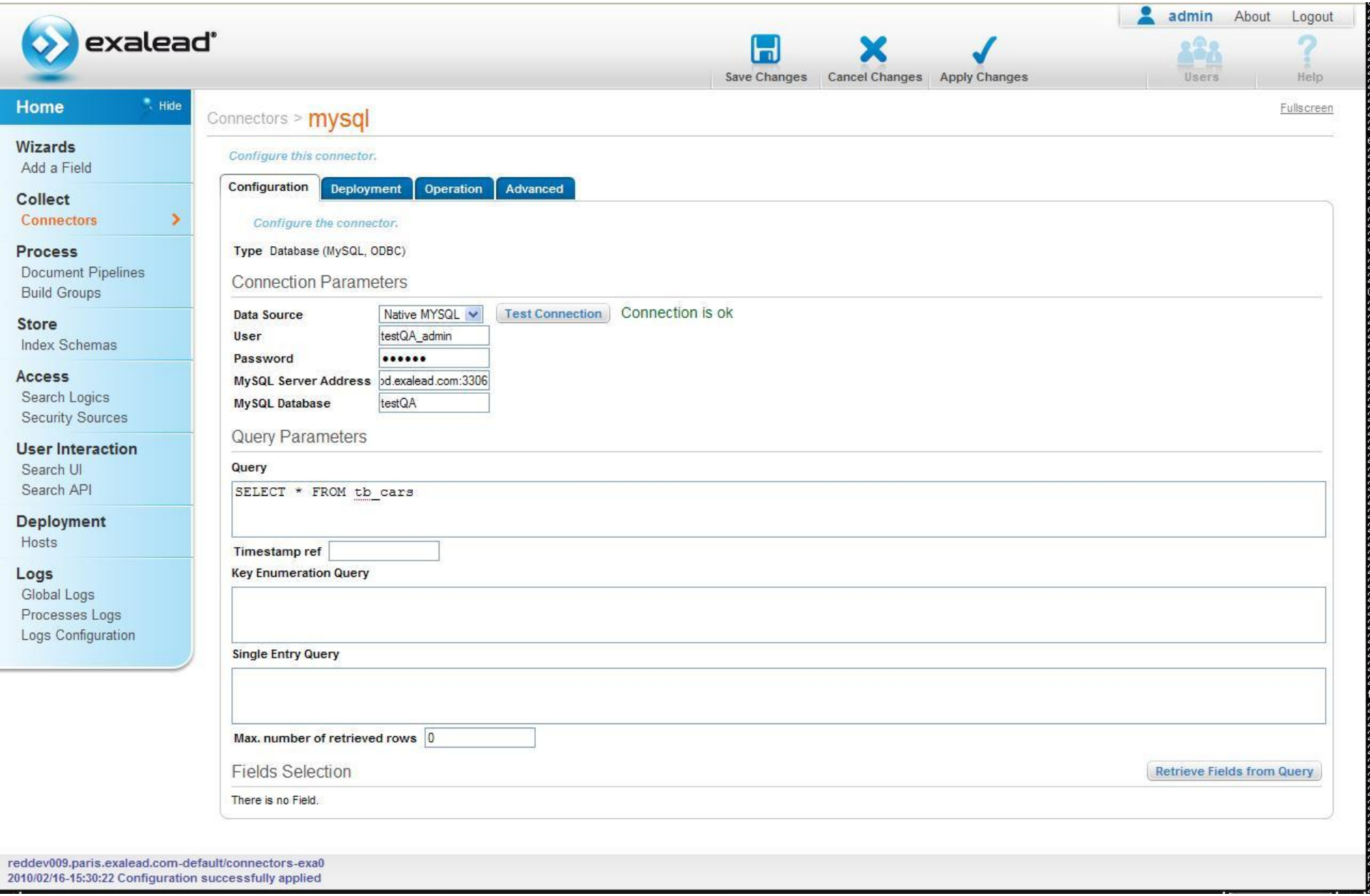
SQL Query Area

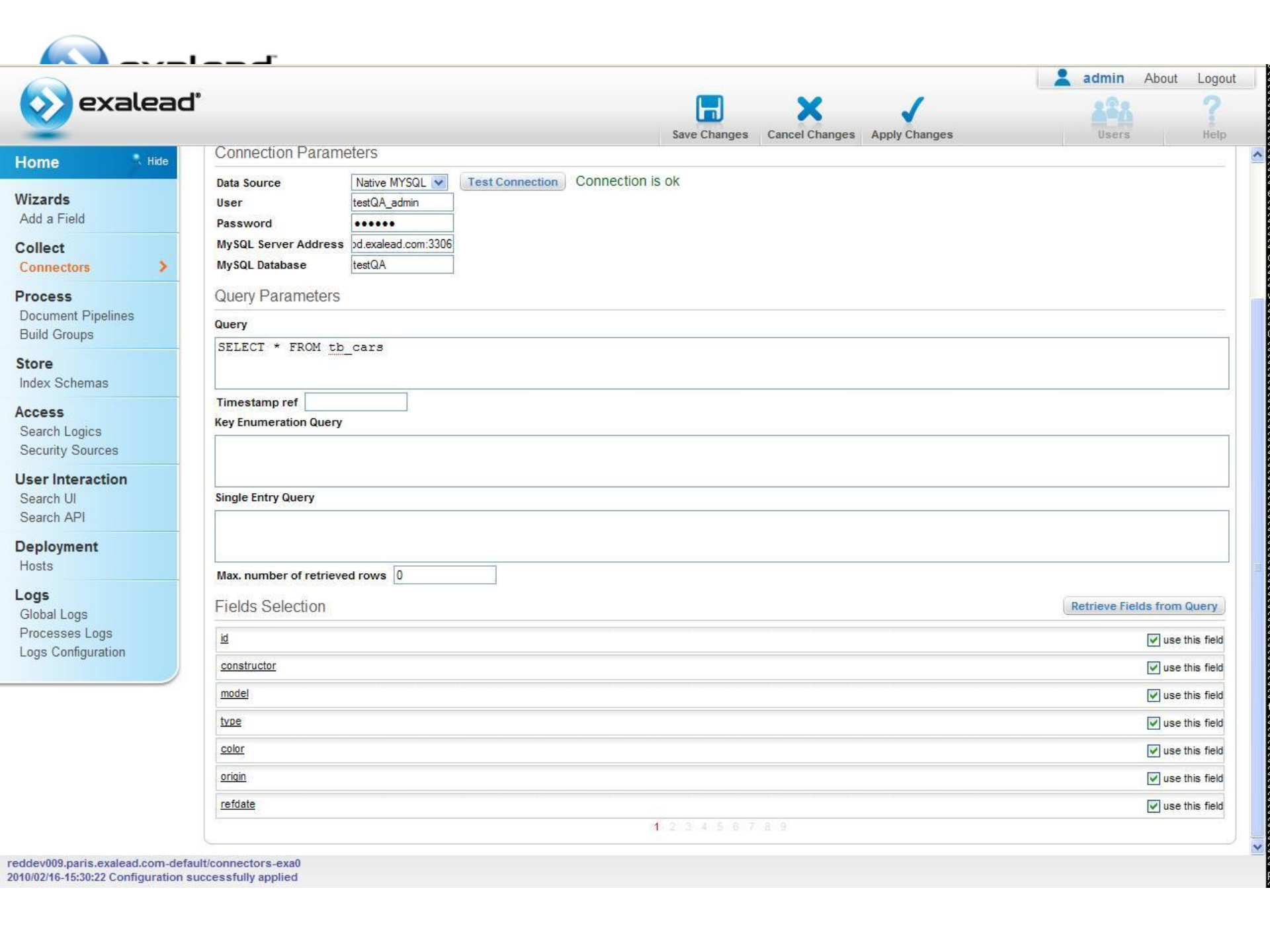
```
1 SELECT * FROM tb_cars t;
```

id	constructor	model	type	color	origin	refdate
1	Audi	A3	city-car	black	DE	2009-12-10 11:11:11
2	Audi	A4	berline	grey	DE	2009-12-10 11:11:11
3	Audi	S4	sport-car	white	DE	2009-12-10 11:11:11
4	Audi	A6	family-car	blue	DE	2009-12-10 11:11:11
5	Audi	S6	sport-car	white	DE	2009-12-10 11:11:11
6	Audi	A8	limousine	black	DE	2009-12-10 11:11:11
7	Audi	R8	supercar	grey	DE	2009-12-10 11:11:11
8	Audi	A4 Avant	break	red	DE	2009-12-10 11:11:11
9	Audi	A6 Allroad	4X4 break	grey	DE	2009-12-10 11:11:11
10	Audi	A5	coupe	white	DE	2009-12-10 11:11:11
11	BMW	320i	berline	grey	DE	2009-12-10 11:11:11
12	BMW	520i	family-car	grey	DE	2009-12-10 11:11:11
13	BMW	735i	limousine	black	DE	2009-12-10 11:11:11
14	Mercedes	Classe C	family-car	black	DE	2009-12-10 11:11:11
15	Mercedes	Classe E	routiere	black	DE	2009-12-10 11:11:11
16	Mercedes	Classe S	limousine	white	DE	2009-12-10 11:11:11
17	Porsche	Cayman	coupe	grey	DE	2009-12-10 11:11:11
18	Porsche	911 Carrera	sport-car	black	DE	2009-12-10 11:11:11
19	Porsche	Cayenne	4X4	black	DE	2009-12-10 11:11:11
20	Volkswagen	Polo	city-car	red	DE	2009-12-10 11:11:11
21	Volkswagen	Golf	berline	black	DE	2009-12-10 11:11:11
22	Volkswagen	Bora	berline	black	DE	2009-12-10 11:11:11
23	Volkswagen	Passat	routiere	black	DE	2009-12-10 11:11:11
24	Volkswagen	Phaeton	limousine	black	DE	2009-12-10 11:11:11
25	Ferrari	F430	sport-car	red	IT	2009-12-10 11:11:11
26	Lamborghini	Gallardo	race-car	yellow	IT	2009-12-10 11:11:11
27	Ferrari	599 GTB Fiorano	sport-car	grey	IT	2009-12-10 11:11:11
28	Lamborghini	Murcielago	supercar	yellow	IT	2009-12-10 11:11:11
29	Ferrari	Enzo	supercar	red	IT	2009-12-10 11:11:11
30	Porsche	Boxster	cabrio	grey	DE	2009-12-10 11:11:11
31	Audi	S5	sport-coupe	grey	DE	2009-12-10 11:11:11
32	Mercedes	Classe A	minispace	red	DE	2009-12-10 11:11:11
33	Mercedes	Classe B	minispace	blue	DE	2009-12-10 11:11:11
34	Volkswagen	Scirocco	coupe	black	DE	2009-12-10 11:11:11

50 rows fetched in 0.0057s (0.0019s)

Edit | Apply Changes | Discard Changes | First | Last | Search


exalead
admin
About
Logout
Save Changes
Cancel Changes
Apply Changes
Users
Help
Home
Hide
Wizards
Add a Field
Collect
Connectors
Process
Document Pipelines
Build Groups
Store
Index Schemas
Access
Search Logics
Security Sources
User Interaction
Search UI
Search API
Deployment
Hosts
Logs
Global Logs
Processes Logs
Logs Configuration
Connectors > mysql
Fullscreen
Configure this connector.
Configuration
Deployment
Operation
Advanced
Configure the connector.
Type Database (MySQL, ODBC)
Connection Parameters
Data Source
Native MYSQL
Test Connection
Connection is ok
User
testQA_admin
Password
MySQL Server Address
MySQL Database
testQA
Query Parameters
Query
SELECT * FROM tb_cars
Timestamp ref
Key Enumeration Query
Single Entry Query
Max. number of retrieved rows
0
Fields Selection
Retrieve Fields from Query
There is no Field.
reddev009.paris.exalead.com-default/connectors-exa0
2010/02/16-15:30:22 Configuration successfully applied


exalead
admin
About
Logout
Save Changes
Cancel Changes
Apply Changes
Users
Help
Home
Hide
Wizards
Add a Field
Collect
Connectors
Process
Document Pipelines
Build Groups
Store
Index Schemas
Access
Search Logics
Security Sources
User Interaction
Search UI
Search API
Deployment
Hosts
Logs
Global Logs
Processes Logs
Logs Configuration
Connection Parameters
Data Source
Native MYSQL
Test Connection
Connection is ok
User
testQA_admin
Password
MySQL Server Address
MySQL Database
testQA
Query Parameters
Query
SELECT * FROM tb_cars
Timestamp ref
Key Enumeration Query
Single Entry Query
Max. number of retrieved rows
0
Fields Selection
Retrieve Fields from Query
id
constructor
model
type
color
origin
refdate
use this field
1 2 3 4 5 6 7 8 9
reddev009.paris.exalead.com-default/connectors-exa0
2010/02/16-15:30:22 Configuration successfully applied

Préférences

exalead
connect the dots

corporate/tree:Top Rechercher

Résultats 1-10 sur 50 pour corporate/tree:Top, Page 1 - 11-20 >

Affinez votre recherche

Résultats par page : 10 Triés par : Pertinence

color: black
constructor: Audi
model: A3
type: city-car
Source: mysql
color: black

color: grey
constructor: Audi
model: A4
type: berline
Source: mysql
color: grey

color: white
constructor: Audi
model: S4
type: sport-car
Source: mysql
color: white

color: blue
constructor: Audi
model: A6
type: family-car
Source: mysql
color: blue

color: white
constructor: Audi
model: S6
type: sport-car
Source: mysql
color: white

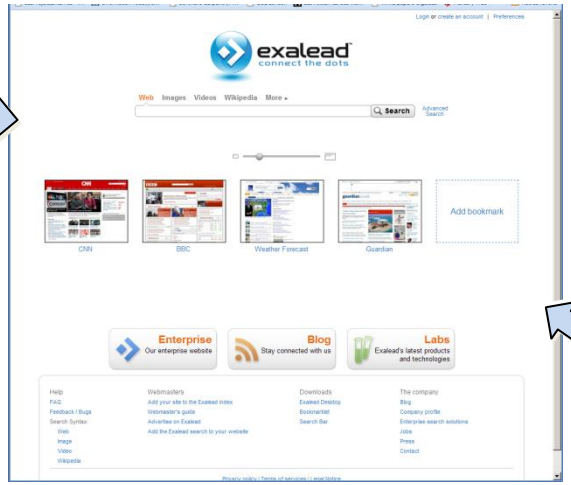
color: black
constructor: Audi
model: A8

Source
» mysql (50) x

color
» black (15) x
» grey (13) x
» red (6) x
» white (4) x
» yellow (3) x
» blue (3) x
» grenat (2) x
» green (2) x
» cyan (1) x
» navy-blue (1) x

Or, Semantics comes from Text

autosuggestion
language identification
related terms
related queries
spell checker
faceted search



lemmatisation
synonyms
phonetic
cross language
Ontology Matcher

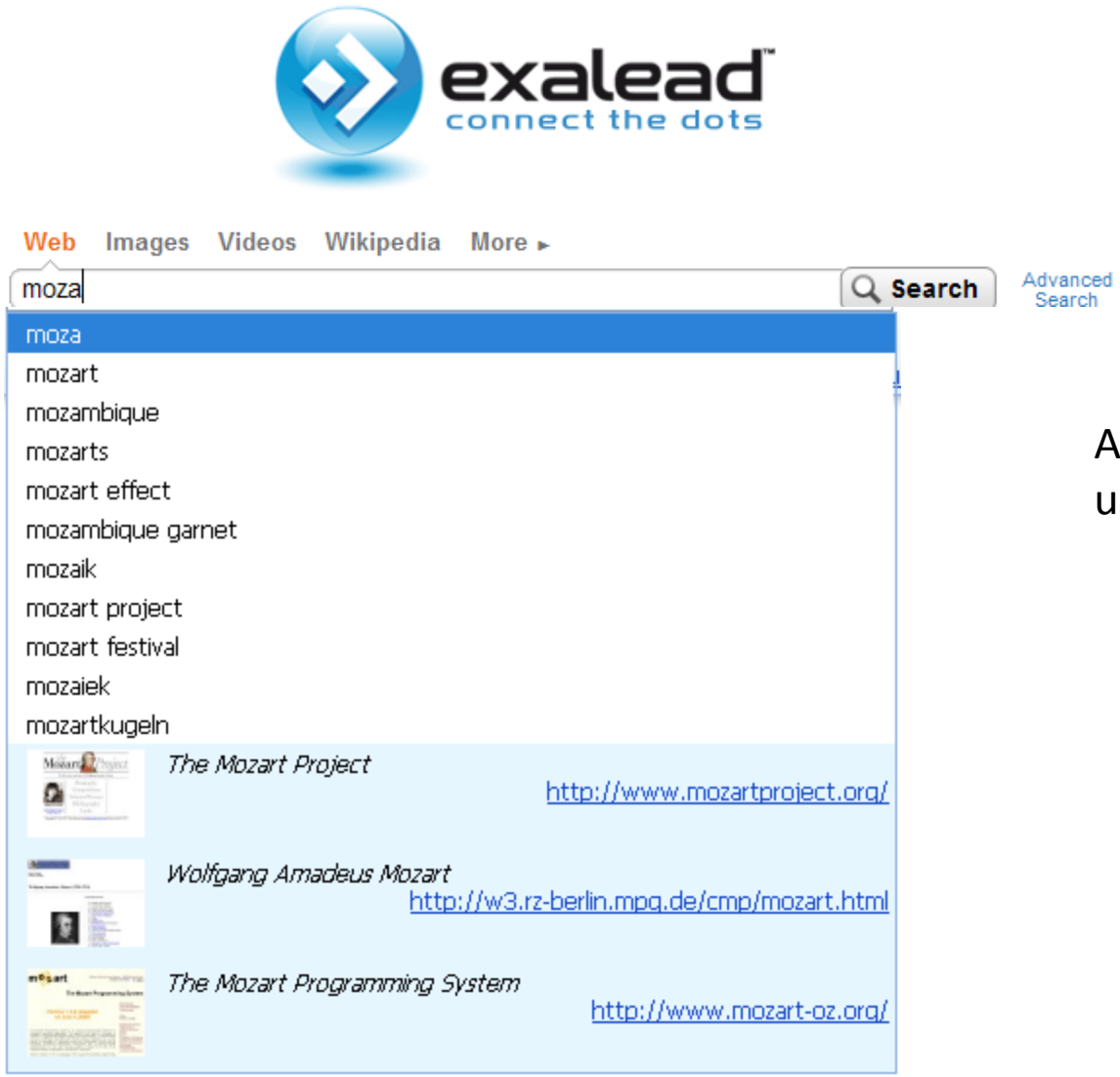
phonetic
lemmatisation
stopwords
sentiment analysis
named entity

INDEX

Data Sources

QueryMatcher
FastRules
HTMLRelevantContextExtractor
Categorizer
Clusterer

AutoSuggestion Example



Auto completion of user query as they type

Auto Suggestion Resource

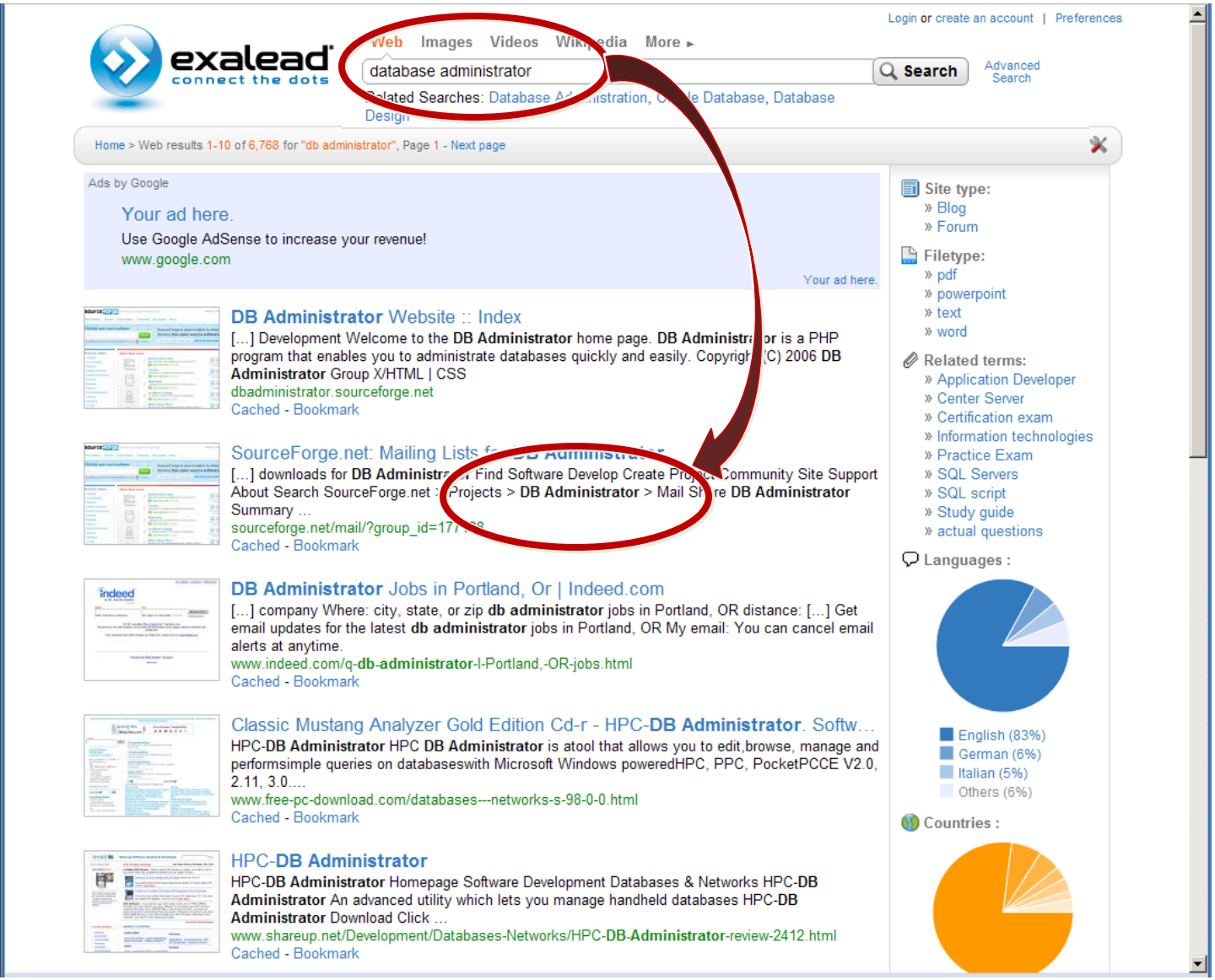
```
<SuggestDictionary xmlns="exa:com.exalead.mot.suggest.v10" maxEntries="3" subExpr="false" subString="false" >
        <SuggestDictEntry entry="airport" score="1" />
        <SuggestDictEntry entry="air" score="2"/>
        <SuggestDictEntry entry="airlines" score="3" />
        <SuggestDictEntry entry="aircraft" score="4"/>
        <SuggestDictEntry entry="airelles" score="1" />
        <SuggestDictEntry entry="airpower" score="1" />
        ....
        <SuggestDictEntry entry="zebra" score="1" />
</SuggestDictionary>
```

Scores > administrator-set threshold are displayed

```
<SuggestDictionary xmlns="exa:com.exalead.mot.suggest.v10" maxEntries="3" subExpr="false" subString="false" >
        <SuggestDictEntry entry="airport" score="1">
                <SuggestDictEntryExtraInfo info="http://www.c.com"/>
                <SuggestDictEntryExtraInfo info="http://www.d.com"/>
        </SuggestDictEntry>
        ...
```

Format for URL suggestions

Synonym, Example



DB administrator

is defined as synonym of

Database Administrator

This synonymy can be in one direction or both ways

Synonym Resource

Example 1

```
<Synonyms xmlns="exa:com.exalead.mot.qrewrite.v10" equivalenceClass="false" >
        <SynonymSet originalExpr="db administrator" lang="en" >
                <Synonym alternativeExpr="database administrator" />
                <Synonym alternativeExpr="data base administrator" />
        </SynonymSet>
</Synonyms>
```

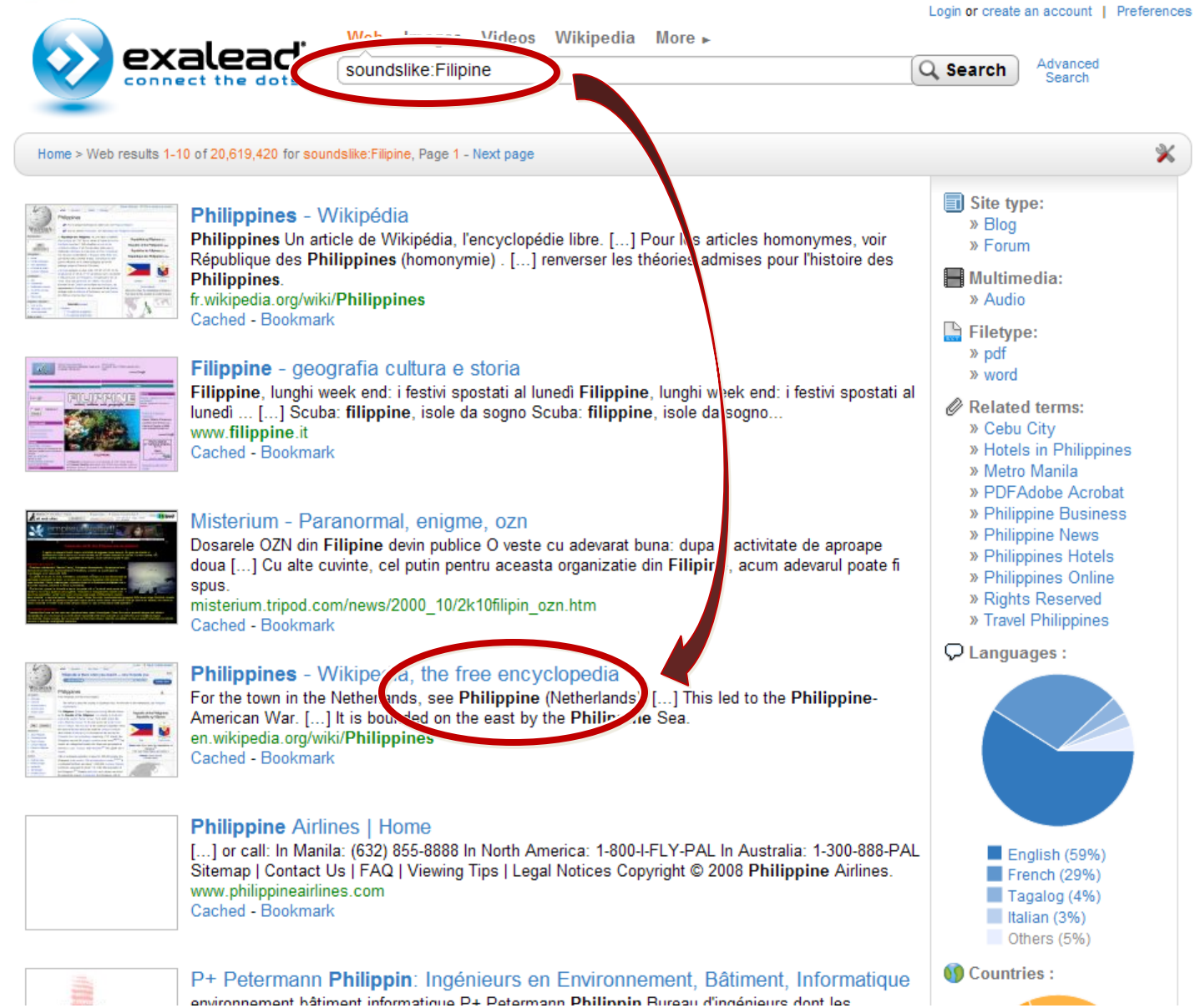
In this example the query "db administrator" generates query ("db administrator" or "database administrator" or "data base administrator") but "database administrator" and "data base administrator" queries do not perform expansion.

Example 2

```
<Synonyms xmlns="exa:com.exalead.mot.qrewrite.v10" equivalenceClass="true" >
        <SynonymSet originalExpr="db administrator" lang="en" >
                <Synonym alternativeExpr="database administrator" />
                <Synonym alternativeExpr="data base administrator" />
        </SynonymSet>
</Synonyms>
```

In this example any of the queries "db administrator", "database administrator" or"data base administrator" will generate the combined query ("db administrator" or "database administrator" or "data base administrator")

Phonetic Example

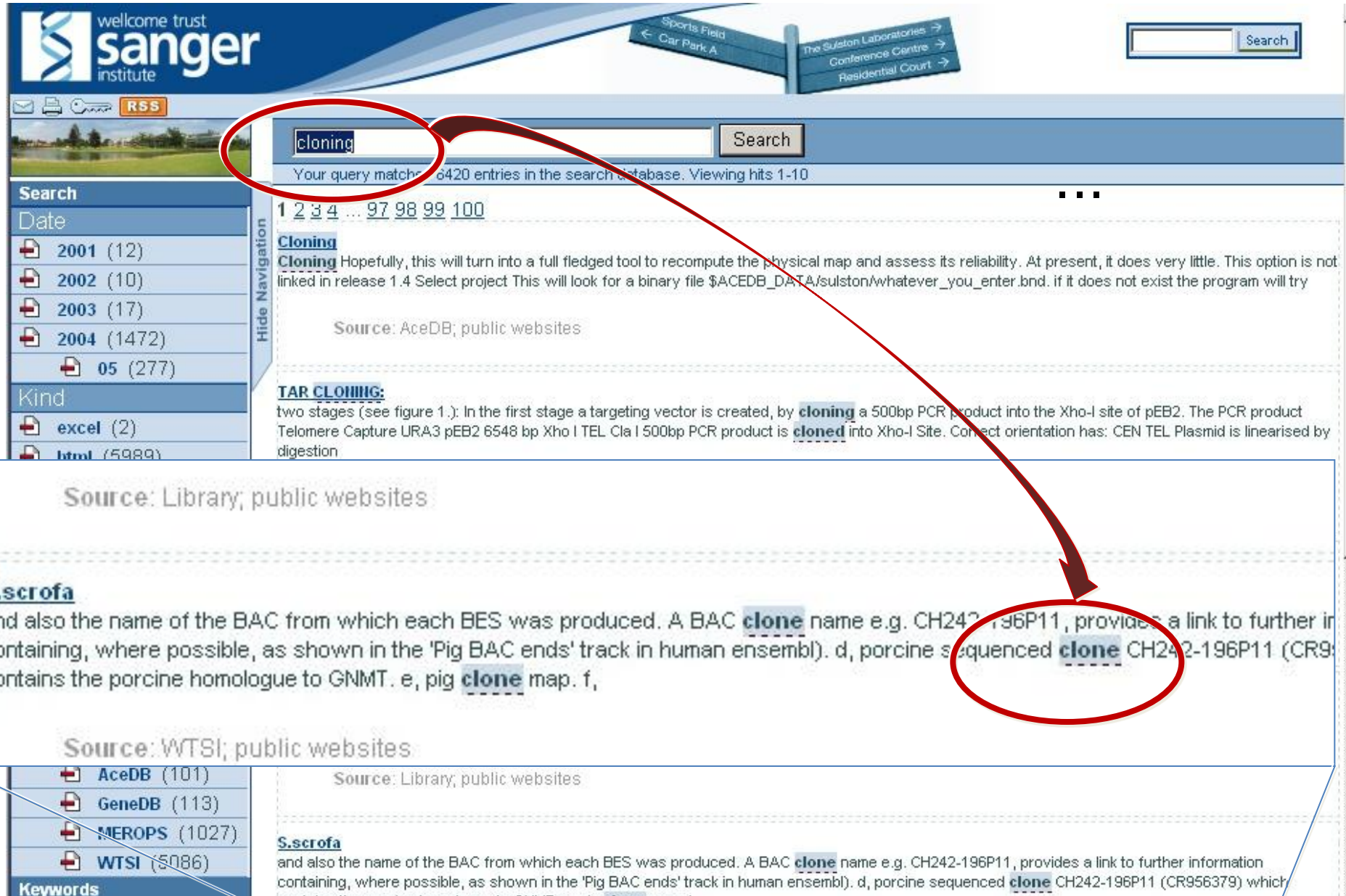


Language Identification

54 languages are currently detected

exalead

Lemmatisation



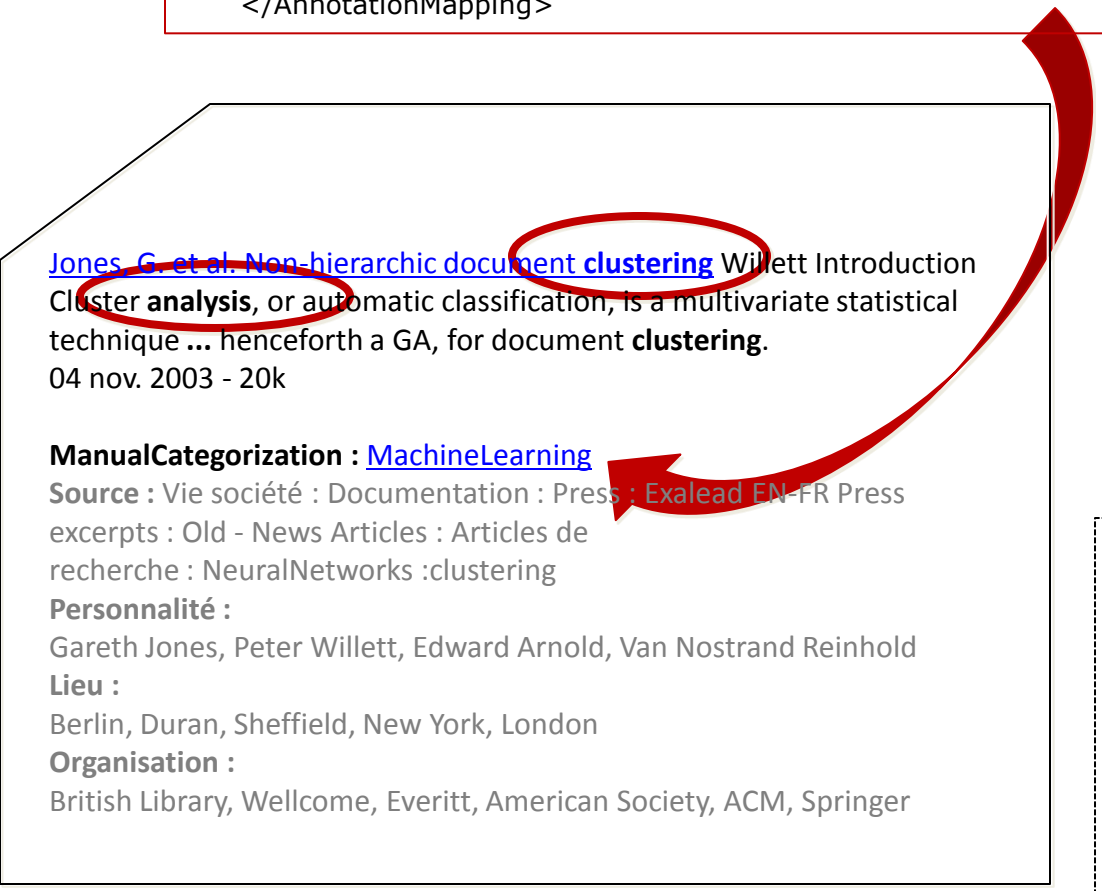
Lemmatisation Resource

```
<Lemma value="alsacien" pos="noun" trustLevel="100">
    <inflecteds>
        <Inflected value="alsacien" number="singular" gender="masculine"/>
        <Inflected value="alsacienne" number="singular" gender="feminine"/>
        <Inflected value="alsaciennes" number="plural" gender="feminine"/>
        <Inflected value="alsaciens" number="plural" gender="masculine"/>
        </inflecteds>
</Lemma>
```

Spell Checker

Query Matcher

```
<QueryMatcher annotationName="MyCategory" >
      <QueryList query="clustering AND (algorithm OR analysis OR learning)" annotationValue="MachineLearning">
     <QueryList query="clustering AND &quote;load balancing&quote;" annotationValue="Hardware/Cluster">
 </QueryMatcher>
...
 <AnnotationMapping name="MyCategory" >
         <CategoryContentTarget retrievable="true" indexField="corporate" categoryRoot="Top/ManualCategorization"
categoryAppend="true" form="exact" />
    </AnnotationMapping>
```



QueryMatcher

Advantages

- Support all expressions/operators of Exalead User Query Language (UQL)
- Very simple to configure (not command line compiler, you just have to set your rules in Analysis.xml)

Drawbacks

- Complexity depends of the number of rules (Conceptually, you should imagine we test each of the rule on the document)
- Performance are not good if you have a lot of rules (> 100)
- Regular expression on words (like the query parser)
- Not available as a standalone component. Only available in indexing pipeline because it has a lot of interaction with query-parser, gdict, ..

Query matcher Resources

```
<AnalysisConfigList .... >
  <AnalysisConfig...>
   <AnalysisPipeline name=...>
     ...
  <QueryMatcher annotationName="MyCategory" >
       <QueryList query="clustering AND (algorithm OR analysis OR learning)‟ annotationValue="MachineLearning">
       <QueryList query="clustering AND &quote;load balancing&quote;" annotationValue="Hardware/Cluster">
  </QueryMatcher>
     ...
  <MappingConfiguration>
    ...
      <AnnotationMapping name="MyCategory" >
           <CategoryContentTarget retrievable="true" indexField="corporate" categoryRoot="Top/ManualCategorization"
                                                  categoryAppend="true" form="exact" />
      </AnnotationMapping>
       ...
      </MappingConfiguration>
   </AnalysisPipeline>
  </AnalysisConfig>
</AnalysisConfigList>
```

FastRules

```
<FastRulesDefinition xmlns="exa:com.exalead.mot.components.fastrules" catName="MyCategory" >
        <Category value="MachineLearning" >
                <Rule value="text:&quot;clustering&quot; AND (text:&quot;algorithm&quot; OR text:&quot;analysis&quot; OR
                text:&quot;learning&quot;)" exceptionRule="false" />
        </Category>
        <Category value="Hardware/Cluster" >
                <Rule value="text:&quot;clustering&quot; AND text:&quot;load balancing&quot;" exceptionRule="false" />
        </Category>
</FastRulesDefinition>
```

Jones, G. et al. Non-hierarchic document **clustering** Willett Introduction Cluster **analysis**, or automatic classification, is a multivariate statistical technique **...** henceforth a GA, for document **clustering**.
04 nov. 2003 - 20k

MyCategory: MachineLearning
Source : Vie société : Documentation : Press : Exalead EN-FR Press excerpts : Old - News Articles : Articles de recherche : NeuralNetworks :clustering
Personnalité :
Gareth Jones, Peter Willett, Edward Arnold, Van Nostrand Reinhold
Lieu :
Berlin, Duran, Sheffield, New York, London
Organisation :
British Library, Wellcome, Everitt, American Society, ACM, Springer

add a category to a document matching a compiled regular expression

100 000 queries with boolean large multi word expression matching
1 Mb / sec / server

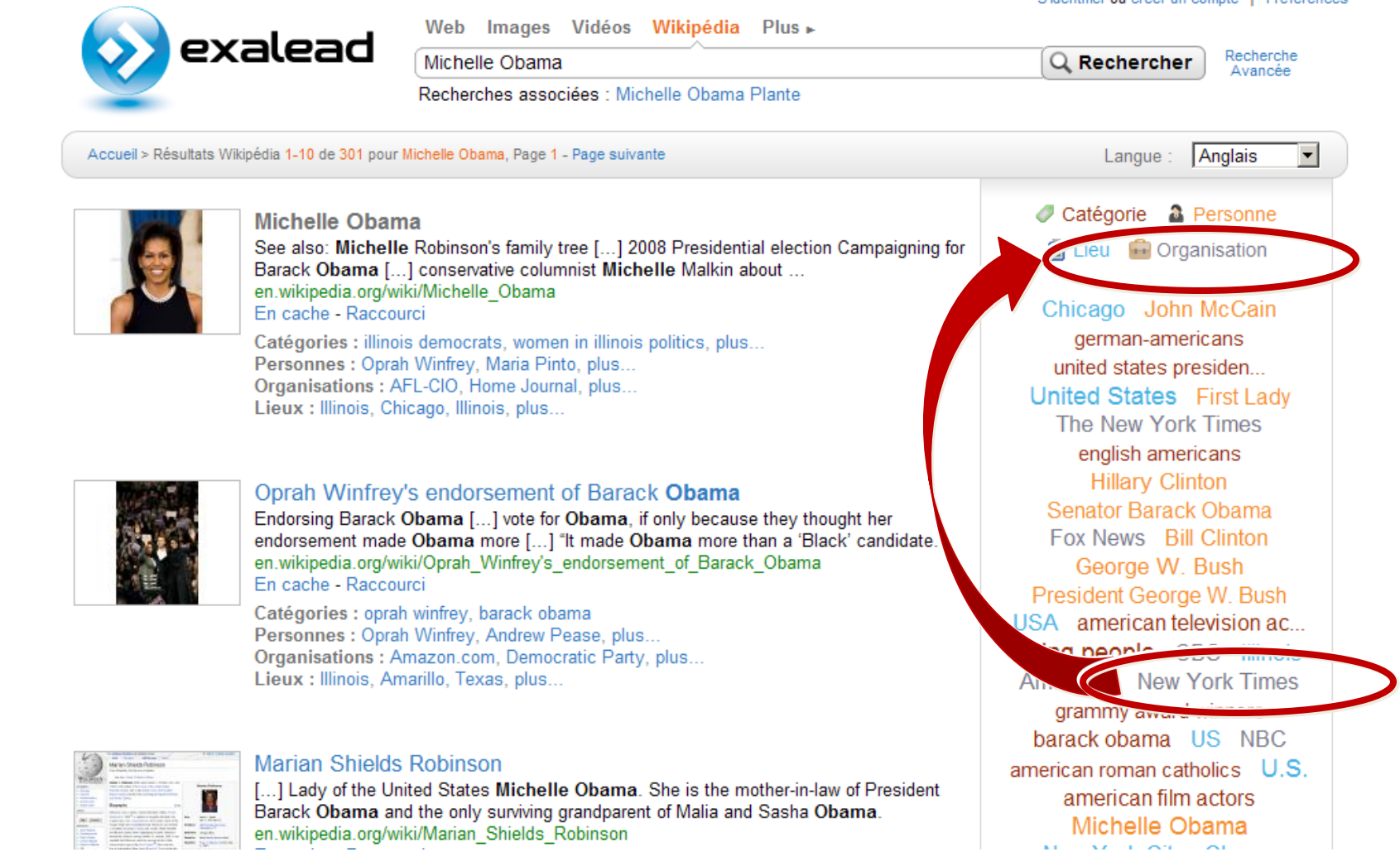
FastRulesAdvantages
- Very fast rules categorization
- Support huge set of rules **(> 100k rules)**
- Regular expression on chunk (for example a regular expression on an url, title or text)
- Available as a standalone component (Exa and Java)

Drawbacks
- Limited syntax
  - (only AND/OR/NOT operators are supported)
- Rules must be compiled before usage

FastRules Resources

```
<FastRulesDefinition xmlns="exa:com.exalead.mot.components.fastrules" catName="MyCategory" >
   <Category value="MachineLearning" >
         <Rule value="text:&quot;clustering&quot; AND (text:&quot;algorithm&quot; OR
          text:&quot;analysis&quot; OR text:&quot;learning&quot;)" exceptionRule="false" />
   </Category>
   <Category value="Hardware/Cluster" >
        <Rule value="text:&quot;clustering&quot; AND text:&quot;load balancing&quot;"
             exceptionRule="false" />
   </Category>
</FastRulesDefinition>
```

RulesMatcher
Named Entities

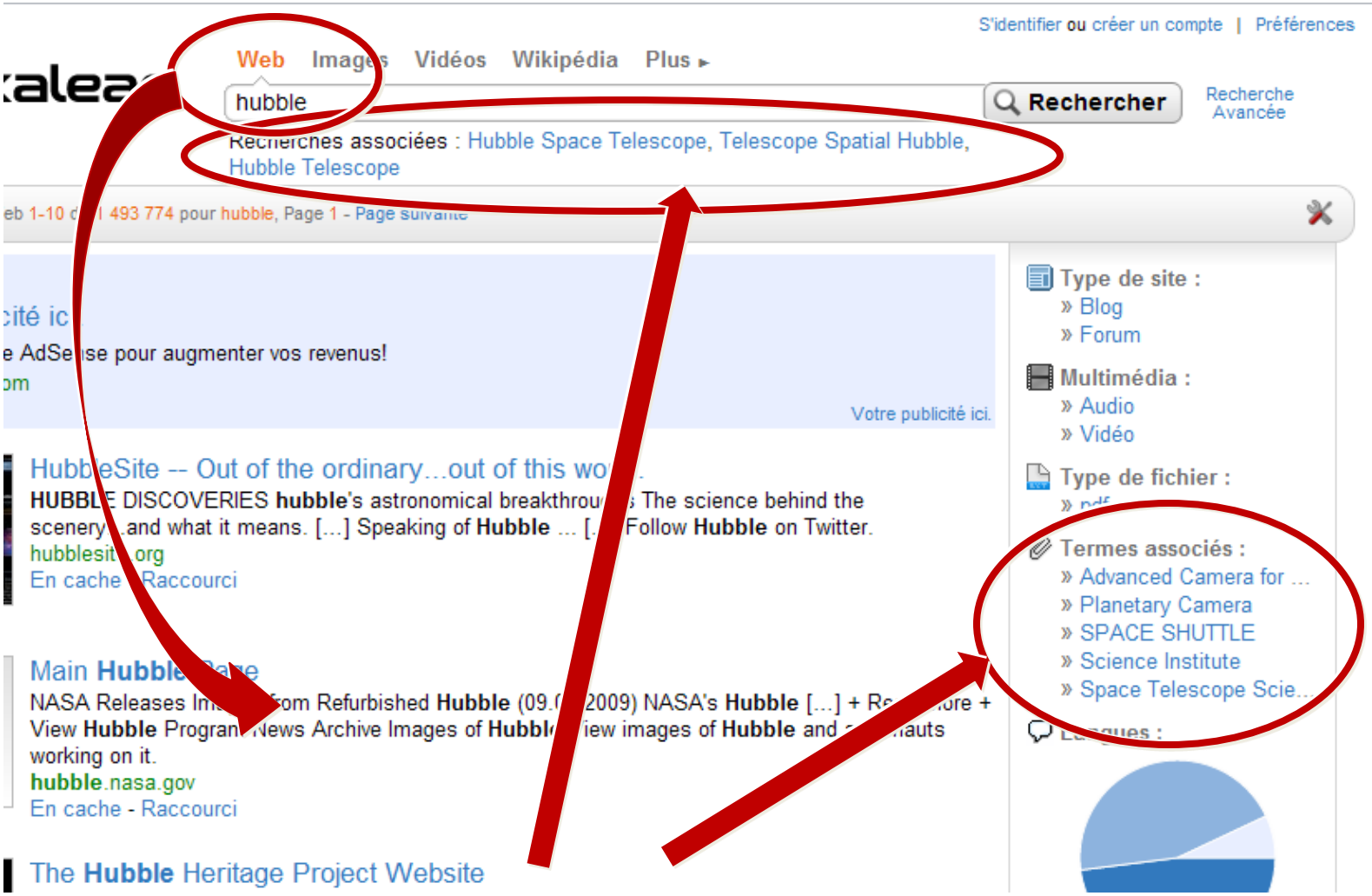


Rule matcher Resources

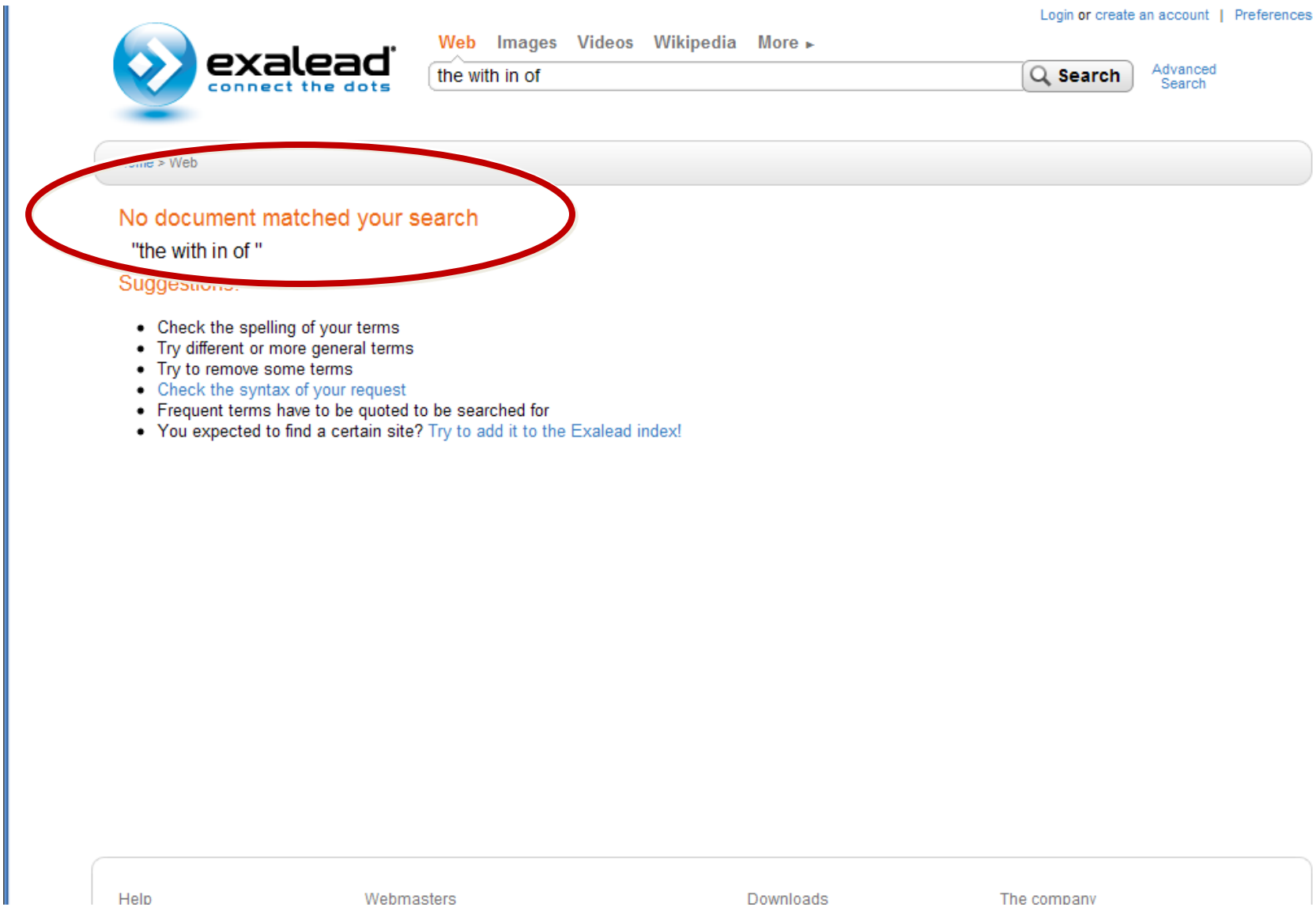
```
<TRules xmlns="exa:com.exalead.mot.components.transducer">
 <!-- 1st rule tags emails with the annotation NE.email -->
 <TRule priority="0">
  <MatchAnnotation kind="NE.email"/>
  <Seq>
  <TokenRegexp value="[0-9A-Za-z_]+"/>
  <Noblank/>
  <Iter min="0" max="4">
   <Or>
    <Word value="-" level="exact"/>
    <Word value="." level="exact"/>
   </Or>
   <Noblank/>
   <TokenRegexp value="[0-9A-Za-z_]+"/>
   <Noblank/>
  </Iter>
  <Word value="@" level="exact"/>
  <Noblank/>
  <TokenRegexp value="[0-9A-Za-z_]+"/>
  <Noblank/>
  <Iter min="0" max="6">
   <Or>
    <Word value="-" level="exact"/>
    <Word value="." level="exact"/>
   </Or>
   <Noblank/>
   <TokenRegexp value="[0-9A-Za-z_]+"/>
   <Noblank/>
  </Iter>
  <Word value="." level="exact"/>
  <Noblank/>
  <Or>
   <TokenRegexp value="[A-Za-z][A-Za-z]"/>
   <Word value="gov"/>    <!-- government entities in the US -->
   <Word value="com"/>    <!-- commercial entities -->
   <Word value="net"/>    <!-- network providers -->
   <Word value="org"/>    <!-- non-profit organizations -->
   <Word value="edu"/>    <!-- educational institutions -->
   <Word value="museum"/>  <!-- museums -->
   <Word value="travel"/>  <!-- travel industry -->
  </Or>
 </Seq>
 </TRule>
```

```
 <!-- 2nd rule tags dates with the annotations NE.date.full and
NE.date.compact -->

 <TRule priority="9">

 <!-- All that's been matched by the captures, french way -->
 <MatchAnnotation kind="NE.date.full" value="%1 %2 %3 %4"/>

 <!-- Don't use day of week -->
 <MatchAnnotation kind="NE.date.compact" value="%2/%3/%4"/>

 <!-- matches dates like Samedi 31 janvier, 2004 or 16th of
November 2003 -->
 <Seq>

  <!-- 1st capture: optional week day -->

  <Opt>
   <Sub no="1">
    <Annotation kind="exalead.nlp.date.days"/>
   </Sub>
   <Opt> <Word value=","/> </Opt>
   <Opt> <Word value="the"/> </Opt>
  </Opt>

  <!-- 2nd capture: day number/ordinal -->
  <Sub no="2">
   <Or>
    <!-- day ordinal : 16, 28, 15th, 1st,3rd ... -->
    <Annotation kind="exalead.nlp.date.ordinals"/>

    <!-- day number with no ordinals : 16, 28, 1 ... -->
    <TokenRegexp value="0?[1-9]"/>
    <TokenRegexp value="[12][[:digit:]]" />
    <TokenRegexp value="3[01]" />
   </Or>
  </Sub>
```

RelatedTerms

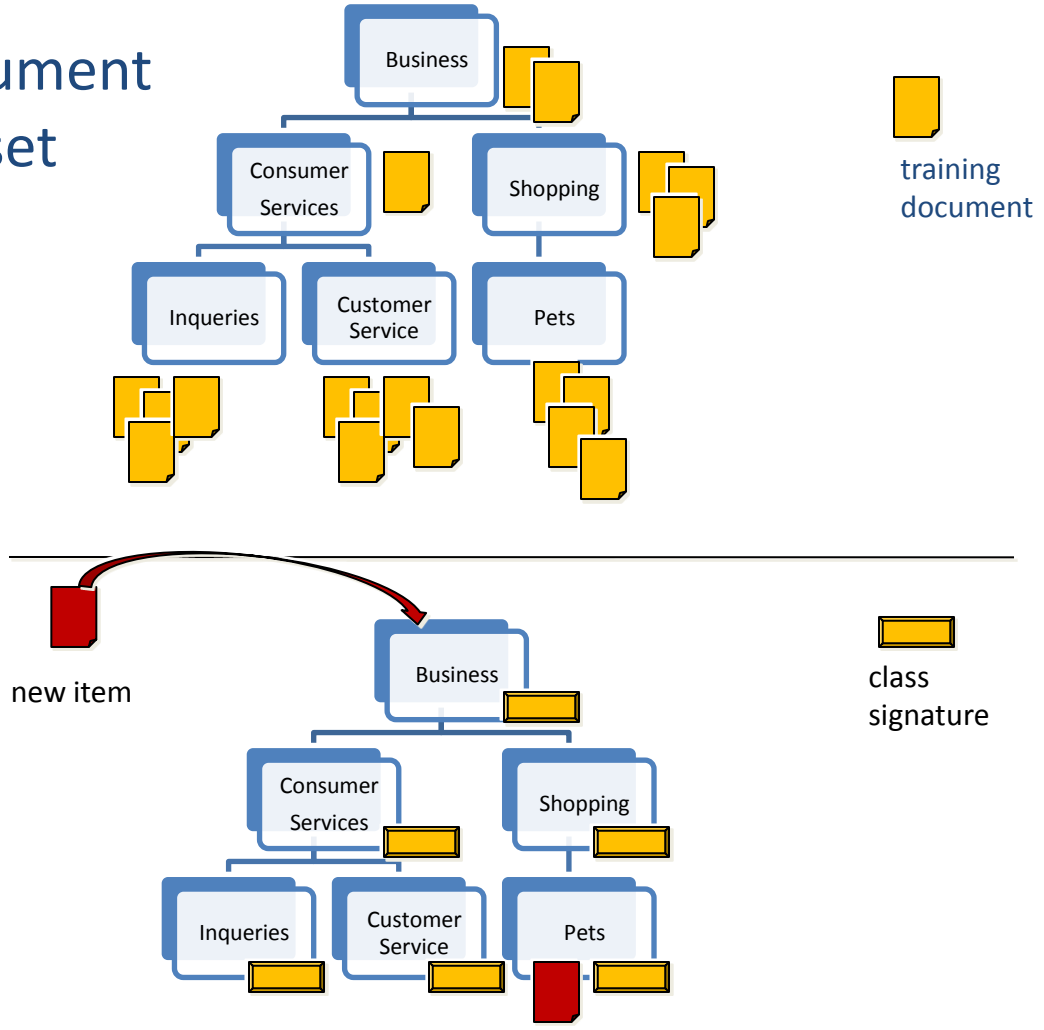


StopWords


Login or create an account | Preferences
exalead
connect the dots
Web Images Videos Wikipedia More ▸
the with in of
Search
Advanced Search
Web
No document matched your search
"the with in of "
Suggestions:
Check the spelling of your terms
Try different or more general terms
Try to remove some terms
Check the syntax of your request
Frequent terms have to be quoted to be searched for
You expected to find a certain site? Try to add it to the Exalead index!
Help
Webmasters
Downloads
The company

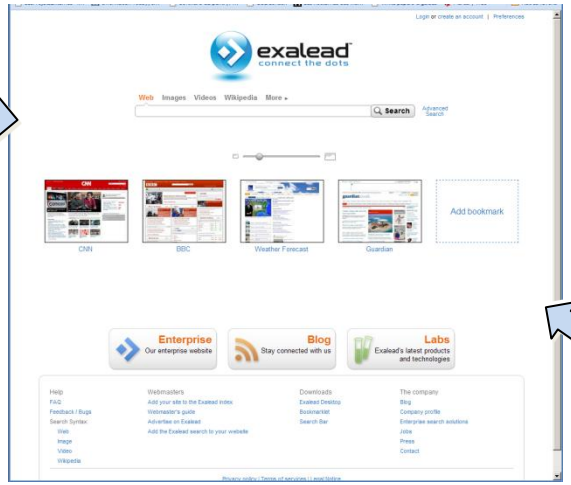
Categorizer

Predict category of a new document using an existing training dataset (for example: dmoz)



Semantics comes from Text

autosuggestion
language identification
related terms
related queries
spell checker
faceted search



lemmatisation
synonyms
phonetic
cross language
Ontology Matcher

phonetic
lemmatisation
stopwords
sentiment analysis
named entity

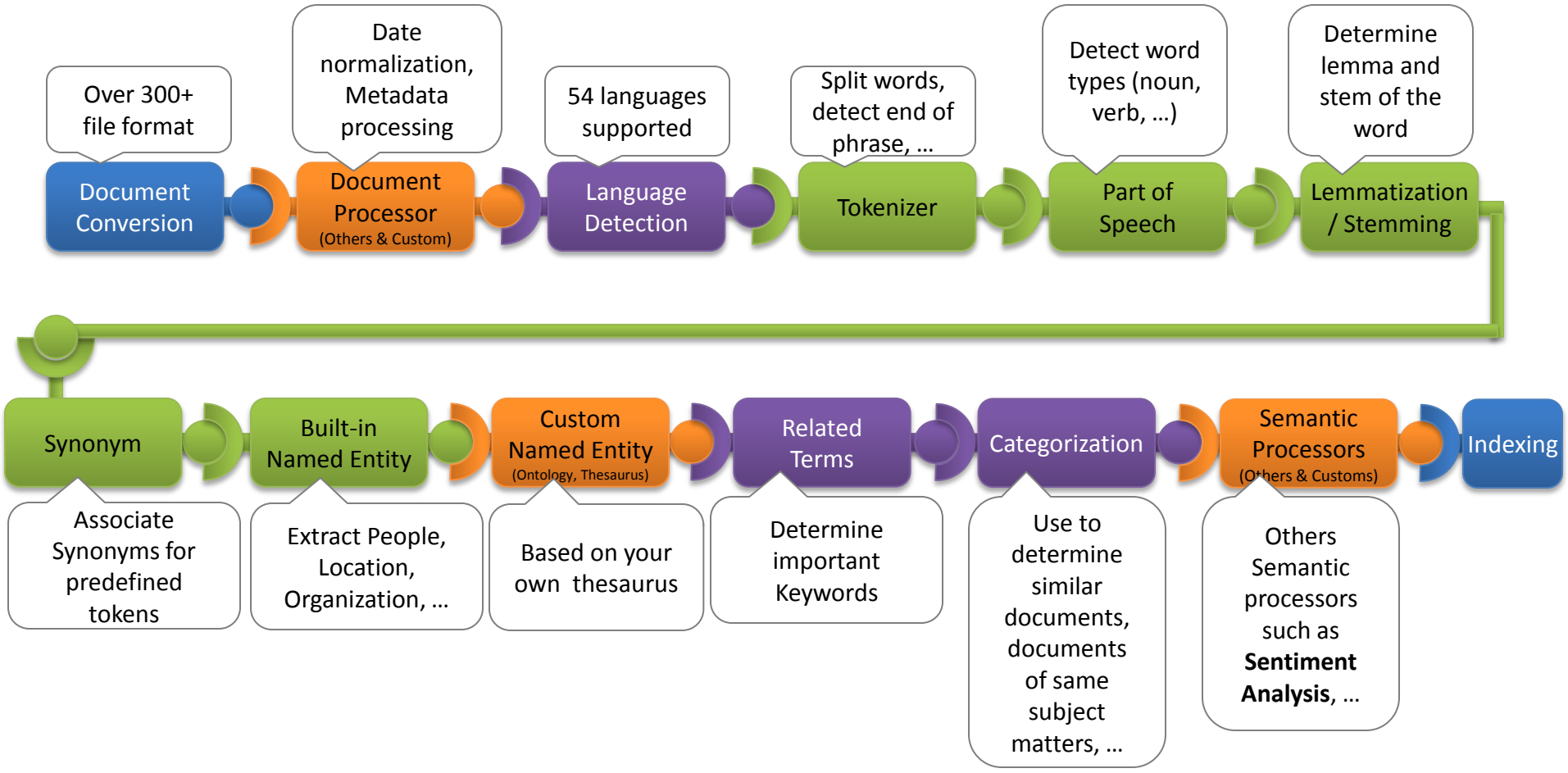
INDEX

Data Sources

QueryMatcher
FastRules
HTMLRelevantContextExtractor
Categorizer
Clusterer

Processing Pipelines

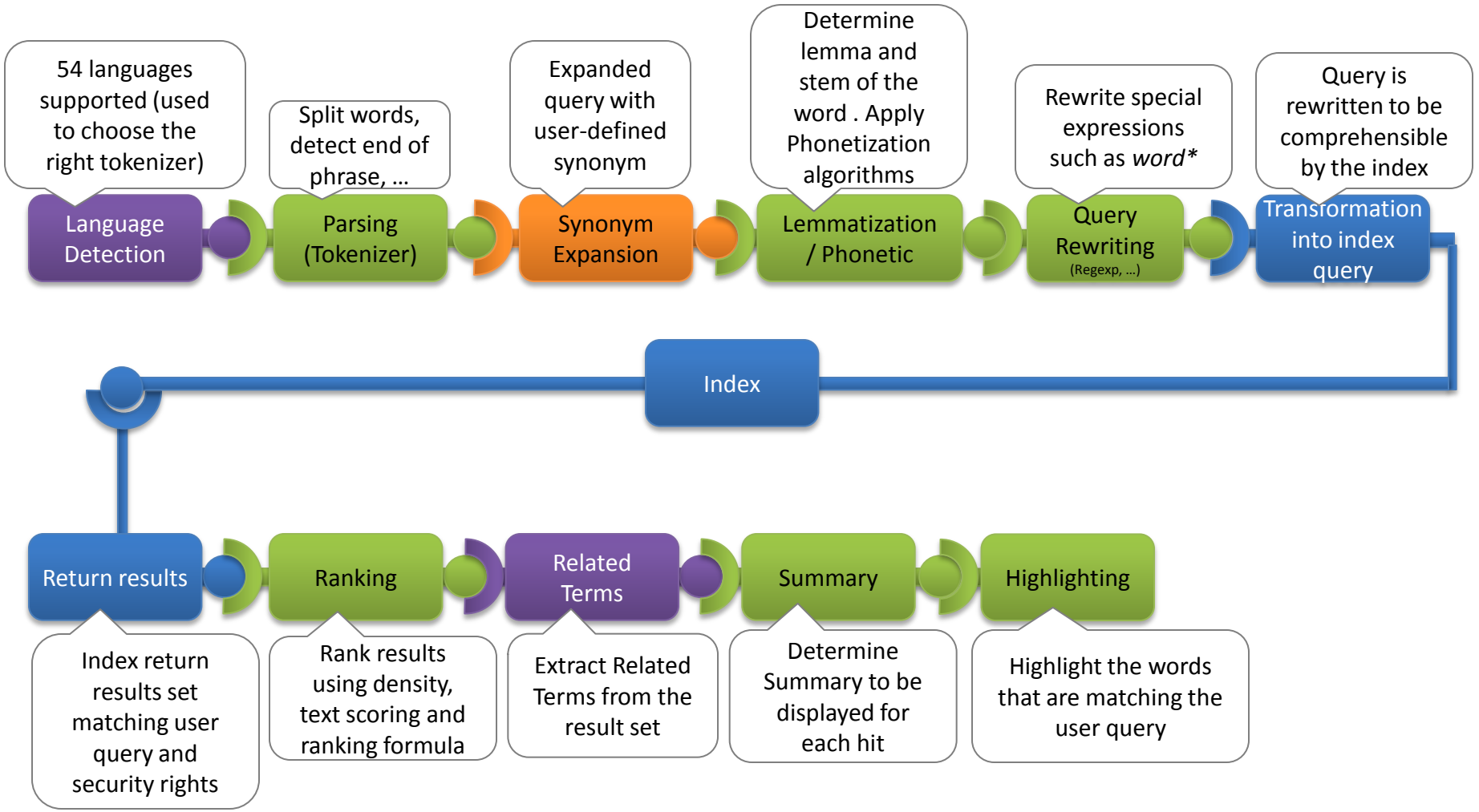
Get the most out of your content



Indexing Side

Search Pipelines

Understand the user query & enhance results



Search Side

Processing Pipelines

Example in details

Example of semantic processing applied to a crawler NYT article

A Defining Moment Nears for President

Six months into his administration, President Obama is at a pivotal moment. He has pushed through a $787 billion economic stimulus package, bailed out Wall Street and, on Tuesday, managed to beat the defense industry in the Senate, which voted to kill a high-profile fighter jet program. On Wednesday night Mr. Obama addresses the nation in a prime-time news conference as the public, and lawmakers, are growing skittish over his next big plan, to remake the American health care system.

Processing Pipelines

Document Processor & Language Detection

<title>A Defining Moment Nears for President – NYTimes.com</title>

<meta content="Sheryl Gay Stolberg" name="by" />

Author extraction using html extractors and assignement to meta author

Title extraction and assignement to meta title

<meta content="July 23, 2009" name="displaydate" />

Date extraction and normalization to 2009-07-23

<body>

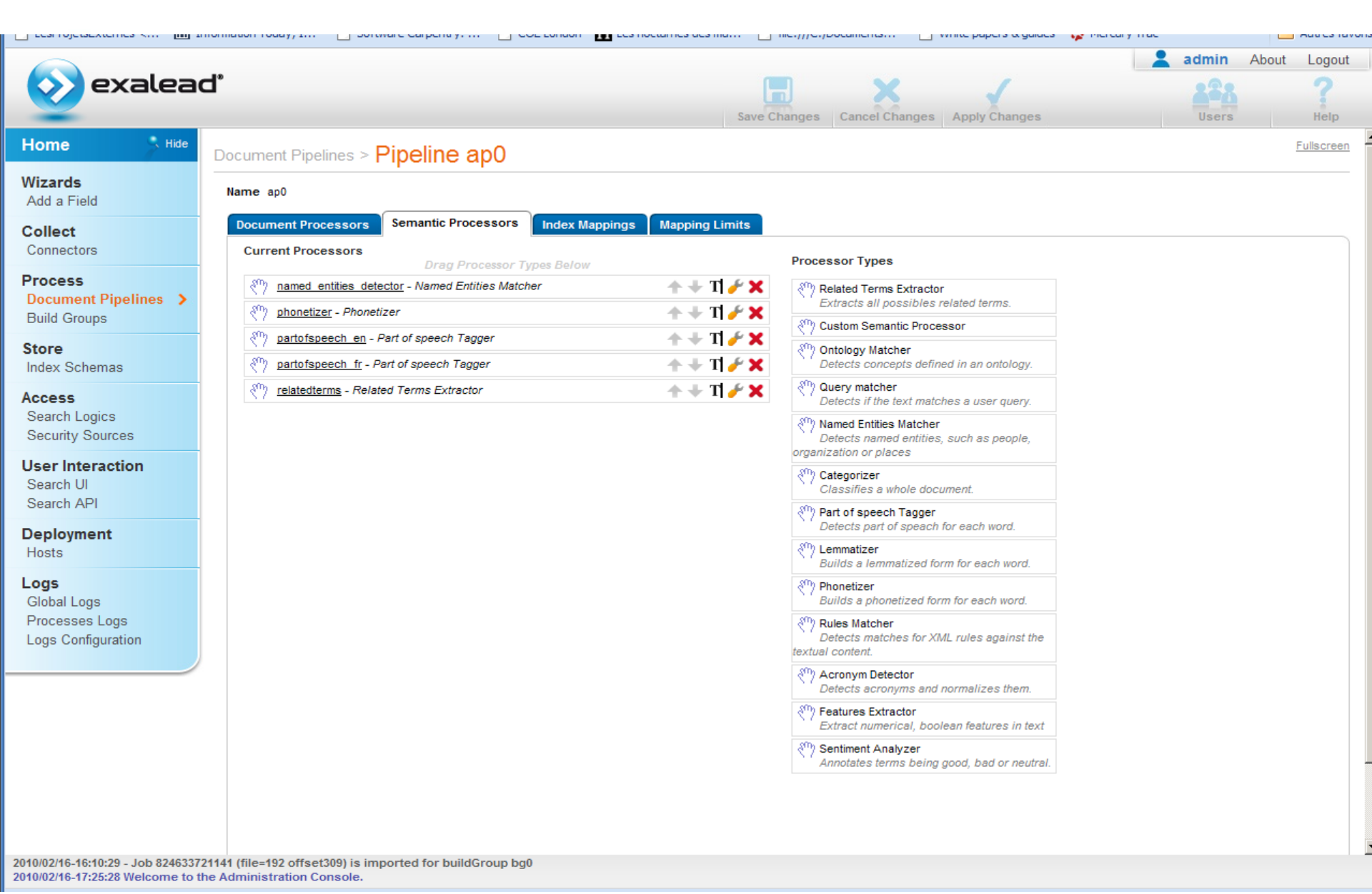
[…]

Six months into his administration, President Obama is at a pivotal moment. He has pushed through a $787 billion economic stimulus package, bailed out Wall Street and, on Tuesday, managed to beat the defense industry in the Senate, which voted to kill a high-profile fighter jet program. On Wednesday night Mr. Obama addresses the nation in a prime-time news conference as the public, and lawmakers, are growing skittish over his next big plan, to remake the American health care system.

[…]

</body>

Content extraction & language detection

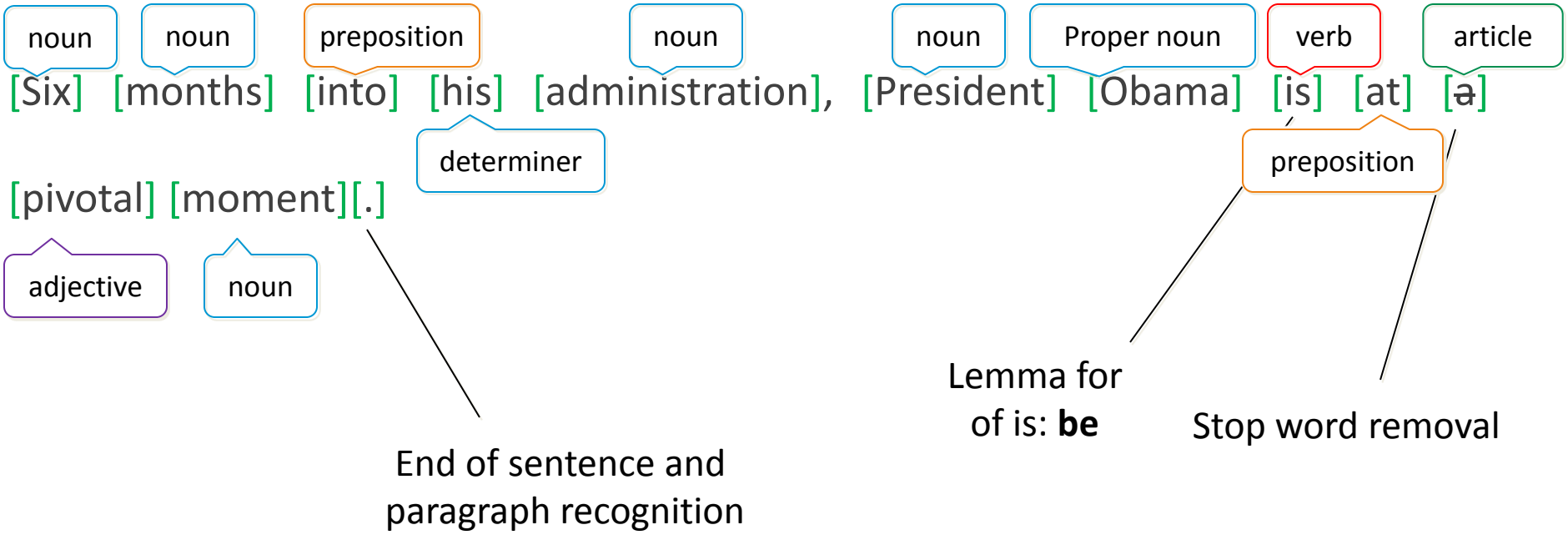

admin
About
Logout
exalead
Save Changes
Cancel Changes
Apply Changes
Users
Help
Home
Hide
Wizards
Add a Field
Collect
Connectors
Process
Document Pipelines
Build Groups
Store
Index Schemas
Access
Search Logics
Security Sources
User Interaction
Search UI
Search API
Deployment
Hosts
Logs
Global Logs
Processes Logs
Logs Configuration
Document Pipelines > Pipeline ap0
Fullscreen
Name ap0
Document Processors
Semantic Processors
Index Mappings
Mapping Limits
Current Processors
Drag Processor Types Below
named_entities_detector - Named Entities Matcher
phonetizer - Phonetizer
partofspeech_en - Part of speech Tagger
partofspeech_fr - Part of speech Tagger
relatedterms - Related Terms Extractor
Processor Types
Related Terms Extractor
Extracts all possibles related terms.
Custom Semantic Processor
Ontology Matcher
Detects concepts defined in an ontology.
Query matcher
Detects if the text matches a user query.
Named Entities Matcher
Detects named entities, such as people, organization or places
Categorizer
Classifies a whole document.
Part of speech Tagger
Detects part of speach for each word.
Lemmatizer
Builds a lemmatized form for each word.
Phonetizer
Builds a phonetized form for each word.
Rules Matcher
Detects matches for XML rules against the textual content.
Acronym Detector
Detects acronyms and normalizes them.
Features Extractor
Extract numerical, boolean features in text
Sentiment Analyzer
Annotates terms being good, bad or neutral.
2010/02/16-16:10:29 - Job 824633721141 (file=192 offset309) is imported for buildGroup bg0
2010/02/16-17:25:28 Welcome to the Administration Console.

Processing Pipelines

Tokenization, Lemmatization, Part of Speech Tagging

[ ] Word detection

Part of Speech Tagging



exalead

Conclusions

- Semantics
  - Type
  - Equality
  - Relations
- Search Based Applications
  - DB semantics combines with Text Semantics
    - Ease of search
    - Merging, Fusion, Presentation of Typed Information

exalead

Questions